Cumulative Author Index

All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. For Rapid Communications an R precedes the page number. The letters (C) and (BR) following the page number indicate that a paper is a Comment or a Brief Report, respectively. References with (E) are to Errata.

Abdallah, M. A., W. Wolff, H. E. Wolf, L. F. S. Coelho, C. L. Cocke, and M. Stöckli — Observation of a quasimolecular ionization window in low-to-intermediate impact velocity collisions of He^+ ions with H_2 and He. A **62,** 012711

Abdelmonem, M. S. — (see Yamani, H. A.) A **62,** 052103

Abdullaev, F. Kh. and R. A. Kraenkel — Coherent atomic oscillations and resonances between coupled Bose-Einstein condensates with time-dependent trapping potential. A **62,** 023613

Abe, Y. — (see Nagano, R.) A **62,** 062721

Abfalterer, R. — (see Bernet, S.) A **62,** 023606

Abolhasani, M. and M. Golshani — Tunneling times in the Copenhagen interpretation of quantum mechanics. A **62,** 012106

Abouraddy, Ayman F. — (see Saleh, Bahaa E. A.) A **62,** 043816

Abraham, N. — (see Kul'minskii, A.) A **62,** 033818

Abraham, N. B., L. Sekaric, L. L. Carson, V. Seccareccia, P. A. Khandokhin, Ya. I. Khanin, I. V. Koryukin, and V. G. Zhislina — Anomalies, symmetries, and asymmetries in the relaxation oscillation spectra of multimode standing-wave solid-state lasers. A **62,** 013810

Abril, Isabel — (see Garcia-Molina, Rafael) A **62,** 012901

_____ (see Susuki, Yasufumi) A **62,** 012902

Ackerbauer, P. — (see Gartner, B.) A **62,** 012501

Acton, M. R. — (see Bolton, S. R.) A **62,** 063803

Adams, C. S. — (see Davies, H. J.) A **62,** 013412

Adhikari, Sadhan K. — Differential and partial cross sections of elastic and inelastic positronium–helium-atom scattering. A **62,** 062708

_____ (see Sultanov, Renat A.) A **62,** 022509

Adhikari, Satrajit, Gert D. Billing, Alexander Alijah, Sheng H. Lin, and Michael Baer — Extended approximated Born-Oppenheimer equation. II. Application. A **62,** 032507

_____ (see Baer, Michael) A **62,** 032506

af Ugglas, M. — (see Larson, Å.) A **62,** 042707

Agarwal, G. S. — (see Arun, R.) A **62,** 023809

_____ (see Morigi, G.) A **62,** 013801

Agostini, P. — (see Toma, E. S.) A **62,** 061801(R)

Ågren, H. — (see Sałek, P.) A **62,** 062506

Aharonov, Dorit — Quantum to classical phase transition in noisy quantum computers. A **62,** 062311

Ahmad, Mashhood, Shahid Qamar, and M. Suhail Zubairy — Quantum-state tomography using phase-sensitive amplification. A **62,** 043814

Ahn, D. — (see Oh, J. H.) A **62,** 052306

Ahn, Doyeol (David) — (see Hwang, WonYoung) A **62,** 062305

Aiello, Andrea — Input-output relations in optical cavities: A simple point of view. A **62,** 063813

Akram, Uzma, Z. Ficek, and S. Swain — Decoherence and coherent population transfer between two coupled systems. A **62,** 013413

Aksela, H. — (see Alitalo, S.) A **62,** 032710

_____ (see Ellingsen, K.) A **62,** 032502

Aksela, S. — (see Alitalo, S.) A **62,** 032710

Albritton, J. R. — (see Safronova, U. I.) A **62,** 052505

Alexander, Tristram J. — (see Bergé, Luc) A **62,** 023607

Al-Haidari, A. D. — (see Yamani, H. A.) A **62,** 052103

Ali, I. — (see DuBois, R. D.) A **62,** 060701(R)

Alijah, Alexander — (see Adhikari, Satrajit) A **62,** 032507

_____ (see Baer, Michael) A **62,** 032506

Alitalo, S., T. Matila, H. Aksela, A. Kivimäki, M. Jurvansuu, and S. Aksela — Interference effects between 4*s* photoionization and resonant Auger-decay channels at inner-shell $3d^9 4p^5 n l n' l'$ double excitations in Kr. A **62,** 032710

Al-Khalili, A. — (see Larson, Å.) A **62,** 042707

Al Khawaja, U. and H. T. C. Stoof — Kinetic theory of collective excitations and damping in Bose-Einstein condensed gases. A **62,** 053602

Almeida, N. G. — (see de Oliveira, M. C.) A **62,** 012108

Altstein, N. — (see Bhushan, K. G.) A **62,** 012504

Alvarellos, J. E. — (see García-González, P.) A **62,** 014501(BR)

Amaya-Tapia, A., H. Martínez, R. Hernández-Lamoneda, and C. D. Lin — Charge transfer in $H^+ + Ar$ collisions from 10 to 150 keV. A **62,** 052718

Amelink, A., K. M. Jones, P. D. Lett, P. van der Straten, and H. G. M. Heideman — Single-color photoassociative ionization of ultracold sodium: The region from 0 to −5 GHz. A **62,** 013408

Amitay, Z. — (see Krohn, S.) A **62,** 032713

Amusia, M. Ya., A. S. Baltenkov, and U. Becker — Strong oscillations in the photoionization of 5*s* electrons in $Xe@C_{60}$ endohedral atoms. A **62,** 012701

_____ (see Krivec, R.) A **62,** 064701(BR)

An, Kyungwon, Young-Tak Chough, and Sun-Hyun Youn — Doppler-induced spatially uniform atom-cavity coupling in a standing-wave cavity and the unidirectional momentum transfer on a moving atom. A **62,** 023819

_____ (see Nha, Hyunchul) A **62,** 021801(R)

Anastopoulos, Charis and B. L. Hu — Two-level atom-field interaction: Exact master equations for non-Markovian dynamics, decoherence, and relaxation. A **62,** 033821

Ancarani, L. U. — (see Popov, Yu. V.) A **62,** 042702

Andersen, L. H. — (see Safvan, C. P.) A **62,** 019901(E)

Andersen, P. — (see Kjeldsen, H.) A **62,** 020702(R)

Andersen, T. — (see Kjeldsen, H.) A **62,** 020702(R)

Andersson, Erika and Stephen M. Barnett — Bell-state analyzer with channeled atomic particles. A **62,** 052311

_____ (see Stenholm, Stig) A **62,** 044301(BR)

Andersson, Karin T., Joakim Sandström, Igor Yu. Kiyan, Dag Hanstorp, and David J. Pegg — Measurement of the electron affinity of potassium. A **62,** 022503

Andrews, David L. — (see Hands, Ian D.) A **62,** 023807

Antoine, Rodolphe — (see Dugourd, Philippe) A **62,** 011201(R)

Aoki, Ken-Ichi, Atsushi Horikoshi, and Etsuko Nakamura — Time of arrival through interacting environments: Tunneling processes. A **62,** 022101

Arai, I. — (see Miura, T.) A **62,** 021201(R)

Arbó, D. G., M. S. Gravielle, and J. E. Miraglia — Second-order Born collisional stopping of ions in a free-electron gas. A **62,** 032901

Arifin, M. — (see Kheifets, A. S.) A **62,** 052724

Arimondo, Ennio — (see Cerboneschi, Elena) A **62,** 013606

Arista, N. R. — (see Famá, M.) A **62,** 062901

_____ (see Montanari, C. C.) A **62,** 052902

Arista, Néstor R. — (see Garcia-Molina, Rafael) A **62,** 012901

Arnold, Peter and Boris Tomášik — T_c for dilute Bose gases: Beyond leading order in $1/N$. A **62,** 063604

Aronstein, David L. and C. R. Stroud, Jr. — Analytical investigation of revival phenomena in the finite square-well potential. A **62,** 022102
Arteaga-Romero, N., C. Carimalo, and V. G. Serbo — Production of the bound triplet $\mu^+\mu^-$ system in collisions of electrons with atoms. A **62,** 032501
Artemyev, A. N., T. Beier, G. Plunien, V. M. Shabaev, G. Soff, and V. A. Yerokhin — Vacuum-polarization screening corrections to the energy levels of heliumlike ions. A **62,** 022116
_____ (see Karasiev, V. V.) A **62,** 062510
Artoni, M., I. Carusotto, and F. Minardi — Light-force-induced fluorescence line-center shifts in high-precision optical spectroscopy: Simple model and experiment. A **62,** 023402
_____ (see Carusotto, I.) A **62,** 063606
Arun, R., G. S. Agarwal, M. O. Scully, and H. Walther — Mazer action in a bimodal cavity. A **62,** 023809
Arvieu, R., P. Rozmej, and M. Turek — Spin dynamics of wave packets evolving with the Dirac Hamiltonian in atoms with high atomic number ***Z***. A **62,** 022514
Asahina, Kensuke — (see Kusakabe, Toshio) A **62,** 062714
_____ (see Kusakabe, Toshio) A **62,** 062715
Aspect, A. — (see Boyer, V.) A **62,** 021601(R)
Atatüre, Mete — (see Tsegaye, Tedros) A **62,** 032106
Audouard, E. — (see Boisseau, C.) A **62,** 052705
Augsburger, M. — (see Gartner, B.) A **62,** 012501
Aumayr, F. — (see Eder, H.) A **62,** 052901
Ausmees, A. — (see Sałek, P.) A **62,** 062506
Auth, C. and H. Winter — Resonant coherent excitation of hydrogen atoms during grazing scattering from a LiF(001) surface. A **62,** 012903
Avdonina, N. B., Z. Felfli, D. Fursa, and A. Z. Msezane — Kinematic representation for elucidating small-angle electron scattering. A **62,** 014703(BR)
Avron, J. E. and A. Gordon — Born-Oppenheimer wave function near level crossing. A **62,** 062504

Ba, Xin-wu — (see Wang, Hai-jun) A **62,** 023601
Babb, James F. — (see Segev, Bilha) A **62,** 022114
Babiker, M. — (see Kamli, Ali) A **62,** 043804
Bachmann, M., H. Kleinert, and A. Pelster — Variational approach to a hydrogen atom in a uniform magnetic field of arbitrary strength. A **62,** 052509
Badurek, G. — (see Hradil, Z.) A **62,** 014101(BR)
Badziąg, Piotr, Michał Horodecki, Paweł Horodecki, and Ryszard Horodecki — Local environment can enhance fidelity of quantum teleportation. A **62,** 012311
Baer, A. — (see Krohn, S.) A **62,** 032713
Baer, Michael, Sheng H. Lin, Alexander Alijah, Satrajit Adhikari, and Gert D. Billing — Extended approximated Born-Oppenheimer equation. I. Theory. A **62,** 032506
_____ (see Adhikari, Satrajit) A **62,** 032507
Baer, Roi — Accurate and efficient evolution of nonlinear Schrödinger equations. A **62,** 063810
Baerends, E. J. — (see Gritsenko, O. V.) A **62,** 012507
Bagnato, V. S., L. G. Marcassa, S. G. Miranda, S. R. Muniz, and A. L. de Oliveira — Measuring the capture velocity of atoms in a magneto-optical trap as a function of laser intensity. A **62,** 013404
Baig, M. A. — (see Jones, R. R.) A **62,** 033408
Balandin, Alex — (see Vrijen, Rutger) A **62,** 012306
Balcou, Ph. — (see Tarasevitch, A.) A **62,** 023816
Ballagh, R. J. — (see Caradoc-Davies, B. M.) A **62,** 011602(R)
_____ (see Davis, M. J.) A **62,** 063608
Baltenkov, A. S. — (see Amusia, M. Ya.) A **62,** 012701
Banaszek, Konrad — Optimal quantum teleportation with an arbitrary pure state. A **62,** 024301(BR)
Band, Y. B. — (see Trippenbach, Marek) A **62,** 023608
Bandrauk, A. D. — (see Talebpour, A.) A **62,** 042708
_____ (see Vijayalakshmi, K.) A **62,** 053408
Bandrauk, André D. and Hui Zhong Lu — Enhanced ionization of the molecular ion H_2^+ in intense laser and static magnetic fields. A **62,** 053406
_____ (see Kawata, Isao) A **62,** 031401(R)
Bandyopadhyay, Somshubhro — Teleportation and secret sharing with pure entangled states. A **62,** 012308
_____ Qubit- and entanglement-assisted optimal entanglement concentration. A **62,** 032308
Banerjee, Subhashish and R. Ghosh — Quantum theory of a Stern-Gerlach system in contact with a linearly dissipative environment. A **62,** 042105
Bao, C. G. and X. G. Li — Gap to hinder the rotational excitation of the ground state of a 13-boson system. A **62,** 025201(BR)
Baranov, M. A. and D. S. Petrov — Low-energy collective excitations in a superfluid trapped Fermi gas. A **62,** 041601(R)
Barbé, R. — (see Maréchal, E.) A **62,** 053603
Bardroff, P. J. and S. Stenholm — Two-mode laser with excess noise. A **62,** 023814
Barnett, Stephen M., David T. Pegg, John Jeffers, Ottavia Jedrkiewicz, and Rodney Loudon — Retrodiction for quantum optical communications. A **62,** 022313
_____ (see Andersson, Erika) A **62,** 052311
_____ (see Jeffers, John) A **62,** 043602
Barnum, Howard — Quantum rate-distortion coding. A **62,** 042309
Barrachina, R. O. — (see Rodríguez, V. D.) A **62,** 062716
Barranco, M. — (see Capuzzi, P.) A **62,** 023603
Bar-Shalom, A. — (see Behar, E.) A **62,** 030501(R)
Barton, P. A., C. J. S. Donald, D. M. Lucas, D. A. Stevens, A. M. Steane, and D. N. Stacey — Measurement of the lifetime of the $3d\ ^2D_{5/2}$ state in $^{40}Ca^+$. A **62,** 032503
Bartsch, T. — (see Schippers, S.) A **62,** 022708
Bartschat, K. and Y. Fang — Relativistic ***R*** matrix with pseudostates calculations for electron scattering from cesium atoms. A **62,** 052719
Barwood, G. P. — (see Roberts, M.) A **62,** 020501(R)
Bässler, M. — (see Sałek, P.) A **62,** 062506
Bayev, Alexander S. — (see Popov, A. K.) A **62,** 025801(BR)
_____ (see Popov, Alexander K.) A **62,** 069901(E)
Baym, Gordon — (see Mueller, Erich J.) A **62,** 053605
Bayram, S. B., M. D. Havey, D. V. Kupriyanov, and I. M. Sokolov — Anomalous depolarization of the $5p\ ^2P_{3/2} \rightarrow 8p\ ^2P_{j'}$ transitions in atomic ^{87}Rb. A **62,** 012503
Bazin, V., P. Boduch, M. Chantepie, G. Cremer, E. Jacquet, H. Kucal, D. Lecler, and J. Pascale — Velocity dependence of single-electron capture for the 0.4–5-keV/amu $\mathbf{Ar}^{8+}$-**Cs**$(6s)$ collision system. A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Becker, A. — (see Maeda, H.) A **62,** 035402(BR)
Becker, U. — (see Amusia, M. Ya.) A **62,** 012701
Becker, Wilhelm — (see Milošević, Dejan B.) A **62,** 011403(R)
Bednar, C. J. — (see Sautenkov, V. A.) A **62,** 023810
Behar, E., V. L. Jacobs, J. Oreg, A. Bar-Shalom, and S. L. Haan — Measure for the effect of quantum interference between radiative and dielectronic recombination. A **62,** 030501(R)
_____ (see Doron, R.) A **62,** 052508
Beier, T. — (see Artemyev, A. N.) A **62,** 022116
_____ (see Yerokhin, V. A.) A **62,** 042712
Beier, Thomas, Ingvar Lindgren, Hans Persson, Sten Salomonson, Per Sunnergren, Hartmut Häffner, and Nikolaus Hermanspahn — g_j factor of an electron bound in a hydrogenlike ion. A **62,** 032510
Beiersdorfer, P. — (see Smith, A. J.) A **62,** 012704
_____ (see Smith, A. J.) A **62,** 052717
Beige, Almut, William J. Munro, and Peter L. Knight — Bell's inequality test with entangled atoms. A **62,** 052102
Beijerinck, H. C. W. — Heating rates in collisionally opaque alkali-metal atom traps: Role of secondary collisions. A **62,** 063614
Beims, M. W., V. Kondratovich, and J. B. Delos — Semiclassical theory of weighted spectra for regular systems: Absorption spectra and decay rates. A **62,** 043401

Beims, Marcus W. and Jason A. C. Gallas — Integrals of motion and quantum operators for hydrogenic atoms in external fields. A **62,** 043410
Benichou, Emmanuel — (see Dugourd, Philippe) A **62,** 011201(R)
Ben-Itzhak, I. — (see Wells, E.) A **62,** 062707
Benmoussa, Adil — (see Gerry, Christopher C.) A **62,** 033812
Benndorf, M. — (see Opitz, J.) A **62,** 022705
Ben-Reuven, A. — (see Yurovsky, V. A.) A **62,** 043605
Benten, W. — (see Kanngießer, B.) A **62,** 014702(BR)
_____ (see Marquette, A.) A **62,** 022513
Berakdar, J. — (see Lower, J.) A **62,** 012706
Berardi, Vincenzo — (see Kim, Yoon-Ho) A **62,** 043820
Bergé, Luc, Tristram J. Alexander, and Yuri S. Kivshar — Stability criterion for attractive Bose-Einstein condensates. A **62,** 023607
Bergou, János A. — (see Herzog, Ulrike) A **62,** 063814
Berhane, Bereket and T. A. B. Kennedy — Radiative processes in a confined Fermi sea. A **62,** 033611
Berman, P. R. and B. Dubetsky — Nonlinear ground-state pump-probe spectroscopy. A **62,** 053412
_____ (see Search, C.) A **62,** 053405
Bermel, W. — (see Marx, R.) A **62,** 012310
Bernard, J. — (see Martin, S.) A **62,** 022707
Bernardi, G. — (see Fregenal, D.) A **62,** 012703
Bernet, S., R. Abfalterer, C. Keller, M. K. Oberthaler, J. Schmiedmayer, and A. Zeilinger — Matter waves in time-modulated complex light potentials. A **62,** 023606
Bernshtein, V. and I. Oref — Surface migrations of endohedral Li^+ on the inner wall of C_{60}. A **62,** 033201
Berrah, N. — (see Cheng, W. T.) A **62,** 062509
_____ (see Kukk, E.) A **62,** 032708
Bertet, P. — (see Nogues, G.) A **62,** 054101(BR)
Bessis, D. — (see Vrinceanu, D.) A **62,** 022719
Bettega, Márcio H. F. — Low-energy electron scattering by boron trihalides. A **62,** 024701(BR)
Beutelspacher, M. — (see Schippers, S.) A **62,** 022708
Beuve, M. — (see Galassi, M. E.) A **62,** 022701
Beveratos, Alexios — (see Brouri, Rosa) A **62,** 063817
Bezerra, V. B., G. L. Klimchitskaya, and V. M. Mostepanenko — Higher-order conductivity corrections to the Casimir force. A **62,** 014102(BR)
Bhattacharyya, Sujata and Sanchita Mitra — Double photoionization of He by circularly polarized light: A QED approach. A **62,** 032709
Bhongale, Satyan and Murray Holland — Loading a continuous-wave atom laser by optical pumping techniques. A **62,** 043604
Bhushan, K. G., H. B. Pedersen, N. Altstein, O. Heber, M. L. Rappaport, and D. Zajfman — Radiative lifetime of the metastable $^1S_0$ state of Xe^{2+}. A **62,** 012504
Bielski, A., R. Ciuryło, J. Domysławska, D. Lisak, R. S. Trawiński, and J. Szudy — Laser-induced fluorescence study of collision-time asymmetry and speed-dependent effects on the ^{114}Cd 326.1-nm line perturbed by Xe. A **62,** 032511
Biémont, Emile, Charlotte Froese Fischer, Michel R. Godefroid, Patrick Palmeri, and Pascal Quinet — Core-polarization effects in the cadmium isoelectronic sequence. A **62,** 032512
Bieniak, B., K. Fronc, S. Gateva-Kostova, M. Głódź, V. Grushevsky, J. Klavins, K. Kowalski, A. Rucińska, and J. Szonert — Excitation transfer between the rubidium 5 ^2D fine-structure levels in collisions with ground-state rubidium atoms: Experiment and theory. A **62,** 022720
Bigelow, N. P. — (see Young, Y. E.) A **62,** 055403(BR)
Bijlsma, M. J. and H. T. C. Stoof — Coherently scattering atoms from an excited Bose-Einstein condensate. A **62,** 013605
_____ **, E. Zaremba, and H. T. C. Stoof** — Condensate growth in trapped Bose gases. A **62,** 063609
Billing, Gert D. — (see Adhikari, Satrajit) A **62,** 032507
_____ (see Baer, Michael) A **62,** 032506
Bingcong, Gou and Deng Wensheng — Energies and lifetimes of the core-excited states of the Li isoelectronic sequence. A **62,** 032705
Binnewies, Tomas, Uwe Sterr, Jürgen Helmcke, and Fritz Riehle — Cooling by Maxwell's demon: Preparation of single-velocity atoms for matter-wave interferometry. A **62,** 011601(R)
Björk, Gunnar, Shuichiro Inoue, and Jonas Söderholm — Visibility is not a good measure of a well-defined relative phase. A **62,** 023817
_____ (see Tsegaye, Tedros) A **62,** 032106
Björneholm, O. — (see Sałek, P.) A **62,** 062506
Blaauboer, M. — Localization in a random phase-conjugating medium. A **62,** 041804(R)
Blackadar, J. M. — (see Watson, R. L.) A **62,** 052709
Blakie, P. B. — (see Caradoc-Davies, B. M.) A **62,** 011602(R)
Blanchot, Nathalie — (see Kuba, Jaroslav) A **62,** 043808
Blanco, F. — (see García, G.) A **62,** 044702
Blatt, R. — (see Steane, A.) A **62,** 042305
Blaum, K. — (see Nörtershäuser, W.) A **62,** 022506
Blencowe, Miles P. and Vincenzo Vitelli — Universal quantum limits on single-channel information, entropy, and heat flow. A **62,** 052104
Blenski, Thomas — (see Ishikawa, Kenichi) A **62,** 063204
Blondel, M. — (see Rogister, F.) A **62,** 061803(R)
Boduch, P. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Bohn, J. L. — (see Wang, H.) A **62,** 052704
Bohn, John L. — Cold collisions of O_2 with helium. A **62,** 032701
Boisseau, C., E. Audouard, J. Vigué, and P. S. Julienne — Reflection approximation in photoassociation spectroscopy. A **62,** 052705
Bollinger, J. J. — (see Newbury, A. S.) A **62,** 023405
Boltalina, O. V., P. Hvelplund, T. J. D. Jørgensen, M. C. Larsen, M. O. Larsson, and D. A. Sharoitchenko — Electron capture by fluorinated fullerene anions in collisions with Xe atoms. A **62,** 023202
Bolton, S. R. and M. R. Acton — Quasiperiodic route to chaos in the Kerr-lens mode-locked Ti:sapphire laser. A **62,** 063803
Bonamy, J. — (see Bruet, X.) A **62,** 062702
Bonamy, L. — (see Bruet, X.) A **62,** 062702
Bonatsos, Dennis, N. Karoussos, D. Lenis, P. P. Raychev, R. P. Roussev, and P. A. Terziev — Unified description of magic numbers of metal clusters in terms of the three-dimensional q-deformed harmonic oscillator. A **62,** 013203
Bonesteel, N. E. — Chiral spin liquids and quantum error-correcting codes. A **62,** 062310
Bordenave Montesquieu, A. — (see Opitz, J.) A **62,** 022705
Bordenave Montesquieu, D. — (see Opitz, J.) A **62,** 022705
Borggreen, J., K. Hansen, F. Chandezon, T. Døssing, M. Elhajal, and O. Echt — Absolute separation energies for Na clusters. A **62,** 013202
Bosselmann, Ph. — (see Feili, D.) A **62,** 022501
Bossennec, J.-L. — (see Maréchal, E.) A **62,** 053603
Bouneau, S. — (see Hartman, J. W.) A **62,** 043202
Bourennane, Mohamed — (see Ljunggren, Daniel) A **62,** 022305
Bouyer, P. — (see Boyer, V.) A **62,** 021601(R)
Boyer, V., S. Murdoch, Y. Le Coq, G. Delannoy, P. Bouyer, and A. Aspect — Multifrequency evaporative cooling to Bose-Einstein condensation in a high magnetic field. A **62,** 021601(R)
Bozek, J. D. — (see Cheng, W. T.) A **62,** 062509
_____ (see Kukk, E.) A **62,** 032708
Brabec, T. — (see Geissler, M.) A **62,** 033817
Brady, Zoe — (see Wiseman, H. M.) A **62,** 023805
Braiman, Y. — (see Khibnik, A. I.) A **62,** 063815
Bramati, A., J.-P. Hermier, V. Jost, and E. Giacobino — Feedback control and nonlinear intensity noise of Nd:YVO_4 microchip lasers. A **62,** 043806
Brandau, C. — (see Schippers, S.) A **62,** 022708
Brandt, Howard E. — Inconclusive rate as a disturbance measure in quantum cryptography. A **62,** 042310
Branning, D., A. L. Migdall, and A. V. Sergienko — Simultaneous measurement of group and phase delay between two photons. A **62,** 063808

Branning, David, Warren Grice, Reinhard Erdmann, and I. A. Walmsley — Interferometric technique for engineering indistinguishability and entanglement of photon pairs. A **62,** 013814
_____ (see Erdmann, Reinhard) A **62,** 053810
Braunstein, Samuel L. — (see Kok, Pieter) A **62,** 064301(BR)
_____ (see van Loock, P.) A **62,** 022309
Bray, Igor — (see Kheifets, A. S.) A **62,** 052724
_____ (see Kheifets, A. S.) A **62,** 065402(BR)
Brecha, R. J. — (see Clemens, J. P.) A **62,** 033802
Bredy, R. — (see Martin, S.) A **62,** 022707
Breger, P. — (see Toma, E. S.) A **62,** 061801(R)
Bremer, J.-H. — (see Tanis, J. A.) A **62,** 032715
Brescansin, L. M. — (see Lee, M.-T.) A **62,** 062710
Breunlich, W. H. — (see Gartner, B.) A **62,** 012501
Brøner, A. — (see Drewsen, M.) A **62,** 045401(BR)
Brouri, Rosa, Alexios Beveratos, Jean-Philippe Poizat, and Philippe Grangier — Single-photon generation by pulsed excitation of a single dipole. A **62,** 063817
Brown, Alex — Phase averaging for calculations involving two-color intense-field excitation. A **62,** 063403
Broyer, Michel — (see Dugourd, Philippe) A **62,** 011201(R)
Bruet, X., L. Bonamy, and J. Bonamy — Extension of the energy-corrected sudden model to anisotropic Raman lines: Application to pure N_2. A **62,** 062702
Brune, M. — (see Nogues, G.) A **62,** 054101(BR)
Brünken, S. — (see Kanngießer, B.) A **62,** 014702(BR)
Bruss, D., G. M. D'Ariano, C. Macchiavello, and M. F. Sacchi — Approximate quantum cloning and the impossibility of superluminal information transfer. A **62,** 062302
Bruß, Dagmar, Mirko Cinchetti, G. Mauro D'Ariano, and Chiara Macchiavello — Phase-covariant quantum cloning. A **62,** 012302
Budker, D., D. F. Kimball, S. M. Rochester, V. V. Yashchuk, and M. Zolotorev — Sensitive magnetometry based on nonlinear magneto-optical rotation. A **62,** 043403
Buenker, R. J. — (see Gu, J. P.) A **62,** 052720
Buenker, Robert J. — (see Kusakabe, Toshio) A **62,** 062714
_____ (see Kusakabe, Toshio) A **62,** 062715
Burgdörfer, J. — (see McGuire, J. H.) A **62,** 012702
_____ (see Tannian, B. E.) A **62,** 043402
_____ (see Yoshida, S.) A **62,** 023408
Burke, J. P., Jr. — (see Wang, H.) A **62,** 052704
Burnett, K. — (see Godun, R. M.) A **62,** 013411
Burnett, Keith — (see van der Hart, Hugo W.) A **62,** 013407
Bushaw, B. A. — (see Nörtershäuser, W.) A **62,** 022506
Büttiker, M. — (see Muga, J. G.) A **62,** 023808
Bužek, V., P. L. Knight, and N. Imoto — Multiple observations of quantum clocks. A **62,** 062309
Bužek, Vladimír and Mark Hillery — Optimal manipulations with qubits: Universal quantum entanglers. A **62,** 022303
_____ **and Mark Hillery** — Quantum disentanglers. A **62,** 052303
_____ (see Koashi, Masato) A **62,** 050302(R)
_____ (see Ziman, Mário) A **62,** 052301

Cabrera-Trujillo, R., Y. Öhrn, E. Deumens, and J. R. Sabin — Stopping cross section in the low- to intermediate-energy range: Study of proton and hydrogen atom collisions with atomic N, O, and F. A **62,** 052714
Čadež, I. — (see Pelicon, P.) A **62,** 022704
Calamai, A. G. — (see Träbert, E.) A **62,** 022507
Camparo, J. C. — (see Coffer, J. G.) A **62,** 013812
Campbell, C. E. — (see Wynveen, A.) A **62,** 023602
Campbell, E. E. B. — (see Glotov, A. V.) A **62,** 033202
Campos, Richard A. — Three-photon Hong-Ou-Mandel interference at a multiport mixer. A **62,** 013809
Cancio, Antonio C., C. Y. Fong, and J. S. Nelson — Exchange-correlation hole of the Si atom: A quantum Monte Carlo study. A **62,** 062507
Cao, Pei-lin — (see Li, Bao-xing) A **62,** 023201
Capuzzi, P., E. S. Hernández, and M. Barranco — ^{3}He impurity in a Bose-Einstein condensate. A **62,** 023603
Caradoc-Davies, B. M., R. J. Ballagh, and P. B. Blakie — Three-dimensional vortex dynamics in Bose-Einstein condensates. A **62,** 011602(R)
Carata, L., A. E. Orel, M. Raoult, I. F. Schneider, and A. Suzor-Weiner — Core-excited resonances in the dissociative recombination of CH^+ and CD^+. A **62,** 052711
Cargnelli, M. — (see Gartner, B.) A **62,** 012501
Carimalo, C. — (see Arteaga-Romero, N.) A **62,** 032501
Carlini, A. and A. Hosoya — Quantum probabilistic subroutines and problems in number theory. A **62,** 032312
Carminati, R., J. J. Sáenz, J.-J. Greffet, and M. Nieto-Vesperinas — Reciprocity, unitarity, and time-reversal symmetry of the ***S*** matrix of fields containing evanescent components. A **62,** 012712
Carnes, K. D. — (see Wells, E.) A **62,** 062707
Carney, J. P. J. and R. H. Pratt — Constructing adequate predictions for photon-atom scattering: A composite approach. A **62,** 012705
Carr, L. D., Charles W. Clark, and W. P. Reinhardt — Stationary solutions of the one-dimensional nonlinear Schrödinger equation. I. Case of repulsive nonlinearity. A **62,** 063610
_____ **, Charles W. Clark, and W. P. Reinhardt** — Stationary solutions of the one-dimensional nonlinear Schrödinger equation. II. Case of attractive nonlinearity. A **62,** 063611
Čársky, Petr — (see Ingr, Marek) A **62,** 032703
Carson, L. L. — (see Abraham, N. B.) A **62,** 013810
Cartwright, A. N. — (see Chang, H. C.) A **62,** 013816
Carusotto, I., M. Artoni, and G. C. La Rocca — Atom-laser coherence length and atomic standing waves. A **62,** 063606
_____ (see Artoni, M.) A **62,** 023402
Casher, Aharon and Benni Reznik — Back reaction of clocks and limitations on observability in closed systems. A **62,** 042104
Cassimi, A. — (see Tanis, J. A.) A **62,** 032715
Castagnino, Mario and Roberto Laura — Functional approach to quantum decoherence and the classical final limit. A **62,** 022107
Castillejo, M. — (see Hay, N.) A **62,** 041803(R)
Cataliotti, F. S. — (see Scheunemann, R.) A **62,** 051801(R)
Cavalcanti, R. M. — Comment on ''Validity of Feynman's prescription of disregarding the Pauli principle in intermediate states''. A **62,** 016101(C)
Cederquist, H. — (see Opitz, J.) A **62,** 022705
Cerboneschi, Elena, Carlo Menchini, and Ennio Arimondo — Monte Carlo simulations of Bose-Einstein condensation of trapped atoms. A **62,** 013606
Cerf, N. J. and S. Iblisdir — Optimal *N*-to-*M* cloning of conjugate quantum variables. A **62,** 040301(R)
Chacko, S. — (see Deshpande, M.) A **62,** 063202
Chacón, E. — (see García-González, P.) A **62,** 014501(BR)
Chambaret, J.-P. — (see Tarasevitch, A.) A **62,** 023816
Chandezon, F. — (see Borggreen, J.) A **62,** 013202
Chandra, N. — (see Sen, S.) A **62,** 052702
Chang, H. C., G. Kioseoglou, E. H. Lee, J. Haetty, M. H. Na, Y. Xuan, H. Luo, A. Petrou, and A. N. Cartwright — Lasing modes in equilateral-triangular laser cavities. A **62,** 013816
Chang, J.-C. — (see Cheng, W. T.) A **62,** 062509
Chantepie, M. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Chantler, C. T., D. Paterson, L. T. Hudson, F. G. Serpa, J. D. Gillaspy, and E. Takács — Absolute measurement of the resonance lines in heliumlike vanadium on an electron-beam ion trap. A **62,** 042501
Chapman, M. S. — (see You, L.) A **62,** 052302
Chatellard, D. — (see Gartner, B.) A **62,** 012501
Chekhova, Maria V. — (see Kim, Yoon-Ho) A **62,** 043820
Chen, D. — (see Fang, Z.) A **62,** 042709
Chen, F. — (see Harris, B. W.) A **62,** 052109
Chen, L. — (see Martin, S.) A **62,** 022707
Chen, M. H. — (see Cheng, K. T.) A **62,** 054501(BR)
_____ (see Smith, A. J.) A **62,** 012704
_____ (see Smith, A. J.) A **62,** 052717

Chen, Shigang — (see Cheng, Taiwang) A **62,** 033402
Cheng, Chung-Chieh and M. G. Raymer — Propagation of transverse optical coherence in random multiple-scattering media. A **62,** 023811
Cheng, K. T., M. H. Chen, and J. Sapirstein — Quantum electrodynamic corrections in high-*Z* Li-like and Be-like ions. A **62,** 054501(BR)
Cheng, Taiwang, Jie Liu, and Shigang Chen — Iterative treatment for atoms in high-frequency laser fields: Two-color interference effect. A **62,** 033402
Cheng, W. T., E. Kukk, D. Cubaynes, J.-C. Chang, G. Snell, J. D. Bozek, F. J. Wuilleumier, and N. Berrah — Measurements and calculations of high-angular-momentum satellite transitions in Li 1*s* photoionization. A **62,** 062509
Cheong, Chaejoon — (see Kim, Jaehyun) A **62,** 022312
Cheret, M. — (see Toma, E. S.) A **62,** 061801(R)
Cheriaux, G. — (see Toma, E. S.) A **62,** 061801(R)
Chesnel, J.-Y. — (see Tanis, J. A.) A **62,** 032715
Chevrollier, M. — (see Lima, E. G.) A **62,** 013410
Chiao, R. Y. — (see Mitchell, M. W.) A **62,** 043819
Chiao, Raymond Y. — (see Segev, Bilha) A **62,** 022114
Chiba, H. — (see Saito, N.) A **62,** 042503
Chiba-Kohno, Yoshie — (see Nambu, Yoshihiro) A **62,** 012312
Chilton, J. Ethan, M. D. Stewart, Jr., and Chun C. Lin — Cross sections for electron-impact excitation of Krypton. A **62,** 032714
Chin, S. L. — (see Talebpour, A.) A **62,** 042708
_____ (see Vijayalakshmi, K.) A **62,** 053408
Chocian, P., W. Ihra, and P. F. O'Mahony — Wannier threshold law and the classical-quantum correspondence in three-body Coulomb breakup. A **62,** 014704(BR)
Chou, Hsiang-Shun — Relativistic many-body calculations of transition amplitudes for berylliumlike ions. A **62,** 042507
Chough, Young-Tak — (see An, Kyungwon) A **62,** 023819
_____ (see Nha, Hyunchul) A **62,** 021801(R)
Chountasis, Spiros — (see Pachos, Jiannis) A **62,** 052318
Choy, T. C. — van der Waals interaction of the hydrogen molecule: An exact implicit energy density functional. A **62,** 012506
Chuang, Isaac L. — (see Zhou, Xinlan) A **62,** 052316
Chupp, T. E. — (see Kuppens, S. J. M.) A **62,** 013406
Cinchetti, Mirko — (see Bruß, Dagmar) A **62,** 012302
Cionga, Aurelia, Fritz Ehlotzky, and Gabriela Zloh — Circular dichroism in free-free transitions of high-energy electron-atom scattering. A **62,** 063406
Cirac, Ignacio — (see Horodecki, Paweł) A **62,** 032310
Cirac, J. I. — (see Duan, Lu-Ming) A **62,** 032304
_____ (see Dür, W.) A **62,** 022302
_____ (see Dür, W.) A **62,** 062314
_____ (see Gardiner, S. A.) A **62,** 023612
_____ (see Lewenstein, M.) A **62,** 052310
Ciuryło, R. — (see Bielski, A.) A **62,** 032511
Clark, C. W. — (see Feder, D. L.) A **62,** 053606
Clark, Charles W. — (see Carr, L. D.) A **62,** 063610
_____ (see Carr, L. D.) A **62,** 063611
Clausen, Jens, Tomáš Opatrný, and Dirk-Gunnar Welsch — Conditional teleportation using optical squeezers and photon counting. A **62,** 042308
Clemens, J. P., P. R. Rice, P. K. Rungta, and R. J. Brecha — Two-level atom in an optical parametric oscillator: Spectra of transmitted and fluorescent fields in the weak-driving-field limit. A **62,** 033802
Cochrane, P. T., G. J. Milburn, and W. J. Munro — Teleportation using coupled oscillator states. A **62,** 062307
Cocke, C. L. — (see Abdallah, M. A.) A **62,** 012711
_____ (see DuBois, R. D.) A **62,** 060701(R)
Coelho, L. F. S. — (see Abdallah, M. A.) A **62,** 012711
Coffer, J. G. and J. C. Camparo — Atomic stabilization of field intensity using Rabi resonances. A **62,** 013812
Cohen, James S. — Multielectron effects in capture of antiprotons and muons by helium and neon. A **62,** 022512
Colavecchia, F. D. — (see Garibotti, C. R.) A **62,** 022710
Colet, Pere — (see Zambrini, Roberta) A **62,** 063801
Colgan, J. — (see Pindzola, M. S.) A **62,** 042705
Collett, M. J. — (see Olsen, M. K.) A **62,** 023802
Collins, David, K. W. Kim, W. C. Holton, H. Sierzputowska-Gracz, and E. O. Stejskal — NMR quantum computation with indirectly coupled gates. A **62,** 022304
Collins, L. A. — (see Feder, D. L.) A **62,** 053606
Comay, E. — Interrelations between the neutron's magnetic interactions and the magnetic Aharonov-Bohm effect. A **62,** 042102
Corbalán, R. — (see Kul'minskii, A.) A **62,** 033818
Corbett, John V. and Dipankar Home — Quantum effects involving interplay between unitary dynamics and kinematic entanglement. A **62,** 062103
Cornaggia, C. and Ph. Hering — Nonsequential double ionization of small molecules induced by a femtosecond laser field. A **62,** 023403
Corwin, K. L. — (see Kuppens, S. J. M.) A **62,** 013406
Cory, D. G. — (see Tseng, C. H.) A **62,** 032309
Cory, David G. — (see Sharf, Yehuda) A **62,** 052314
Côté, R. and A. Dalgarno — Ultracold atom-ion collisions. A **62,** 012709
Côté, Robin — (see Koštrun, Marijan) A **62,** 063616
Coussement, R. — (see Shakhmuratov, R. N.) A **62,** 043405
Coutinho, F. A. B., Y. Nogami, and Lauro Tomio — Reply to ''Comment on 'Validity of Feynman's prescription of disregarding the Pauli principle in intermediate states' ''. A **62,** 016102(C)
Crane, S. G., X. Zhao, W. Taylor, and D. J. Vieira — Trapping an isotopic mixture of fermionic ^{84}Rb and bosonic ^{87}Rb atoms. A **62,** 011402(R)
Crawford, M. G. A. — Temporally stable coherent states in energy-degenerate systems: The hydrogen atom. A **62,** 012104
Cremer, G. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Crescimanno, M., C. G. Koay, R. Peterson, and R. Walsworth — Analytical estimate of the critical velocity for vortex pair creation in trapped Bose condensates. A **62,** 063612
Cubaynes, D. — (see Cheng, W. T.) A **62,** 062509
Curdt, W., E. Landi, K. Wilhelm, and U. Feldman — Wavelength measurements of heliumlike $1s2s\ ^3S_1-1s2p\ ^3P_{0,2}$ transitions in Ne^{8+}, Na^{9+}, Mg^{10+}, and Si^{12+} emitted by solar flare plasmas. A **62,** 022502
Curtis, L. J., R. Matulioniene, D. G. Ellis, and C. Froese Fischer — Predictive data-based exposition of $5s5p\ ^{1,3}P_1$ lifetimes in the Cd isoelectronic sequence. A **62,** 052513
Czajkowski, M. — (see Koperski, J.) A **62,** 012505
Czarnecki, Andrzej, Kirill Melnikov, and Alexander Yelkhovsky — Erratum: Calculation of α^2 corrections to parapositronium decay [Phys. Rev. A **61**, 052502 (2000)]. A **62,** 059902(E)

Dakna, M. — (see Fiurášek, J.) A **62,** 063811
Dalfovo, F. — (see Modugno, M.) A **62,** 063607
Dalgarno, A. — (see Côté, R.) A **62,** 012709
_____ (see Derevianko, A.) A **62,** 062501
_____ (see Jamieson, M. J.) A **62,** 069902(E)
Dalvit, Diego A. R., Jacek Dziarmaga, and Wojciech H. Zurek — Decoherence in Bose-Einstein condensates: Towards bigger and better Schrödinger cats. A **62,** 013607
_____ (see Maia Neto, Paulo A.) A **62,** 042103
Daly, E. M. and A. I. Ferguson — Parametric amplification and squeezing of a mode-locked pulse train: A comparison of MgO:$LiNbO_3$ with bulk periodically poled $LiNbO_3$. A **62,** 043807
Dammasch, M. — (see Maeda, H.) A **62,** 035402(BR)
Danared, H. — (see Larson, Å.) A **62,** 042707
Danzmann, K. — (see Müller, M.) A **62,** 060501(R)
d'Arcy, M. B. — (see Godun, R. M.) A **62,** 013411
D'Ariano, G. M. — (see Bruss, D.) A **62,** 062302
Das, B. P. — (see Majumder, Sonjoy) A **62,** 042508

Das, R. — (see Sahoo, S.) A **62,** 022716
Datz, S. — (see Vane, C. R.) A **62,** 010701(R)
Davidovich, L. — (see Nogues, G.) A **62,** 054101(BR)
Davies, H. J., K. Szymaniec, and C. S. Adams — Cold-atom accumulation using an optical trap door. A **62,** 013412
Davis, M. J., C. W. Gardiner, and R. J. Ballagh — Quantum kinetic theory. VII. The influence of vapor dynamics on condensate growth. A **62,** 063608
Davis, Peter — (see Fischer, Ingo) A **62,** 011801(R)
de Almeida, N. G., R. Napolitano, and M. H. Y. Moussa — Accuracy of a teleported cavity-field state. A **62,** 010101(R)
_____ **, R. Napolitano, and M. H. Y. Moussa** — Phenomenological-operator approach to dissipation in cavity quantum electrodynamics. A **62,** 033815
_____ (see Serra, R. M.) A **62,** 043810
Debut, Alexis, Stéphane Randoux, and Jaouad Zemmouri — Linewidth narrowing in Brillouin lasers: Theoretical analysis. A **62,** 023803
Decaux, V. — (see Smith, A. J.) A **62,** 012704
De Filippo, Sergio — Quantum computation using decoherence-free states of the physical operator algebra. A **62,** 052307
De Groote, J. J., Mauro Masili, and J. E. Hornos — Analytical functions for the calculation of hyperspherical potential curves of atomic systems. A **62,** 032508
Dekker, N. — (see Olshanii, M.) A **62,** 033612
Delande, Dominique — (see Marcinek, Roman) A **62,** 062704
Delannoy, G. — (see Boyer, V.) A **62,** 021601(R)
Della Negra, S. — (see Hartman, J. W.) A **62,** 043202
Delos, J. B. — (see Beims, M. W.) A **62,** 043401
Delos, John B. — (see Kondratovich, Vladimir) A **62,** 043409
de Matos Filho, R. L. — (see Solano, E.) A **62,** 021401(R)
Demekhin, V. F. — (see Kanngießer, B.) A **62,** 014702(BR)
de Nalda, R. — (see Hay, N.) A **62,** 041803(R)
Deng, Ke, Jinlong Yang, Lanfeng Yuan, and Qingshi Zhu — Hybrid density-functional study of Si_{13} clusters. A **62,** 045201(BR)
Denis, A. — (see Martin, S.) A **62,** 022707
Denton, Cristian D. — (see Garcia-Molina, Rafael) A **62,** 012901
de Oliveira, A. L. — (see Bagnato, V. S.) A **62,** 013404
de Oliveira, M. C., N. G. Almeida, S. S. Mizrahi, and M. H. Y. Moussa — Quantum to classical transition from the cosmic background radiation. A **62,** 012108
Deparis, O. — (see Rogister, F.) A **62,** 061803(R)
de Passos, E. J. V. — (see Lin, Chi-Yong) A **62,** 055603(BR)
Derevianko, A. and A. Dalgarno — Long-range interaction of two metastable rare-gas atoms. A **62,** 062501
Derkatch, A. M. — (see Larson, Å.) A **62,** 042707
Désesquelles, J. — (see Martin, S.) A **62,** 022707
Deshpande, M., A. Dhavale, R. R. Zope, S. Chacko, and D. G. Kanhere — Ground-state geometries and stability of impurity doped clusters: Li_nBe and Li_nMg ($n=1-12$). A **62,** 063202
Deuar, P. and W. J. Munro — Quantum copying can increase the practically available information. A **62,** 042304
Deumens, E. — (see Cabrera-Trujillo, R.) A **62,** 052714
Deutsch, M. — (see Diamant, R.) A **62,** 052519
de Valcárcel, G. J. — (see Urchueguía, J. F.) A **62,** 041801(R)
de Vivie-Riedle, Regina — (see Sundermann, Karsten) A **62,** 013409
Dhal, B. B., Lokesh C. Tribedi, U. Tiwari, K. V. Thulasiram, P. N. Tandon, T. G. Lee, C. D. Lin, and L. Gulyás — State-selective *K-K* electron transfer and *K* ionization cross sections for Ar and Kr in collisions with highly charged C, O, F, S, and Cl ions at intermediate velocities. A **62,** 022714
Dhavale, A. — (see Deshpande, M.) A **62,** 063202
Dhavale, Ajeeta — (see Kanhere, D. G.) A **62,** 065201(BR)
Diamant, R., S. Huotari, K. Hämäläinen, C. C. Kao, and M. Deutsch — Cu $K^h\alpha_{1,2}$ hypersatellites: Suprathreshold evolution of a hollow-atom x-ray spectrum. A **62,** 052519
Di Fidio, C. and W. Vogel — Damped Rabi oscillations of a cold trapped ion. A **62,** 031802(R)
Di Lorenzo, O. — (see Lima, E. G.) A **62,** 013410
Ding, Guo-Hui — (see Xu, Bo-Wei) A **62,** 022106
Ding, Y. J. — (see Kaplan, A. E.) A **62,** 043805
Dionissopoulou, Stavroula, Theodoros Mercouris, and Cleanthes A. Nicolaides — Erratum: Variation of harmonic generation from He interacting with short laser pulses of 5 eV as a function of pulse rise time and intensity [Phys. Rev. A **61**, 063402 (2000)]. A **62,** 039901(E)
Dirscherl, J. — (see Uhlenberg, G.) A **62,** 063404
DiVincenzo, David — (see Vrijen, Rutger) A **62,** 012306
Djambova, Svetlana T. — (see Jones, R. R.) A **62,** 033408
Djurić, N., A. Neau, S. Rosén, W. Zong, and G. H. Dunn — Light-ionic fragment production in dissociative electron–molecular-ion collisions: Detection of D^+ and $D_2{}^+$ from $ND_n{}^+$ ($n=2-4$) and $OD_n{}^+$ ($n=2,3$). A **62,** 032702
_____ (see Larson, Å.) A **62,** 042707
Dobrovitski, V. V. — (see Katsnelson, M. I.) A **62,** 022118
Doherty, Andrew C., Salman Habib, Kurt Jacobs, Hideo Mabuchi, and Sze M. Tan — Quantum feedback control and classical control theory. A **62,** 012105
Dolenc, S. — (see Pelicon, P.) A **62,** 022704
Domysławska, J. — (see Bielski, A.) A **62,** 032511
Donald, C. J. S. — (see Barton, P. A.) A **62,** 032503
Doron, R., E. Behar, M. Fraenkel, P. Mandelbaum, J. L. Schwob, A. Zigler, A. Ya. Faenov, and T. A. Pikuz — Investigation of a laser-produced cerium plasma by the analysis of the high-resolution x-ray spectrum. A **62,** 052508
Dǿssing, T. — (see Borggreen, J.) A **62,** 013202
Dousse, J.-Cl. — (see Mauron, O.) A **62,** 062508
Dreizler, R. M. — (see Engel, E.) A **62,** 042502
_____ (see Kirchner, T.) A **62,** 042704
Drenska, Svetla — (see Maruani, Jean) A **62,** 022511
Drewsen, M. and A. Brǿner — Harmonic linear Paul trap: Stability diagram and effective potentials. A **62,** 045401(BR)
_____ (see Mǿlhave, K.) A **62,** 011401(R)
Drummond, P. D. — (see Pope, D. T.) A **62,** 042108
Duan, Lu-Ming, G. Giedke, J. I. Cirac, and P. Zoller — Physical implementation for entanglement purification of Gaussian continuous-variable quantum states. A **62,** 032304
Dubetsky, B. — (see Berman, P. R.) A **62,** 053412
DuBois, R. D., I. Ali, C. L. Cocke, C. R. Feeler, and R. E. Olson — Three-body effects in the fragmentation of D_2 by slow, highly-charged xenon. A **62,** 060701(R)
Ducloy, M. — (see Klimov, V. V.) A **62,** 043818
Dugourd, Philippe, Rodolphe Antoine, Driss Rayane, Emmanuel Benichou, and Michel Broyer — Thermal fluctuations of a metal atom on a C_{60} surface. A **62,** 011201(R)
Dulieu, O. — (see Kokoouline, V.) A **62,** 022504
_____ (see Kokoouline, V.) A **62,** 032716
Dum, R. — (see Gardiner, S. A.) A **62,** 023612
Dung, Ho Trung, Ludwig Knöll, and Dirk-Gunnar Welsch — Spontaneous decay in the presence of dispersing and absorbing bodies: General theory and application to a spherical cavity. A **62,** 053804
Dunn, G. H. — (see Djurić, N.) A **62,** 032702
_____ (see Larson, Å.) A **62,** 042707
Dunn, M. H. — (see McGloin, D.) A **62,** 053802
Dunning, F. B. — (see Hill, S. B.) A **62,** 015403(BR)
_____ (see Tannian, B. E.) A **62,** 043402
Dür, W. and J. I. Cirac — Activating bound entanglement in multiparticle systems. A **62,** 022302
_____ **, G. Vidal, and J. I. Cirac** — Three qubits can be entangled in two inequivalent ways. A **62,** 062314
Duran, Miquel — (see Fradera, Xavier) A **62,** 034502(BR)
Dušek, Miloslav, Mika Jahma, and Norbert Lütkenhaus — Unambiguous state discrimination in quantum cryptography with weak coherent states. A **62,** 022306
Dutra, S. M. and G. Nienhuis — Quantized mode of a leaky cavity. A **62,** 063805
Dutta, C. M. — (see Gu, J. P.) A **62,** 052720

Dutta, S. K., N. V. Morrow, and G. Raithel — Enhancement of Sisyphus cooling using a bichromatic standing wave. A **62,** 035401(BR)
Dziarmaga, Jacek — (see Dalvit, Diego A. R.) A **62,** 013607
Dzierżęga, Krzysztof, Udo Volz, Gillian Nave, and Ulf Griesmann — Accurate transition rates for the $5p$-$5s$ transitions in Kr I. A **62,** 022505
Dzuba, V. A. and V. V. Flambaum — Off-diagonal hyperfine interaction and parity nonconservation in cesium. A **62,** 052101
_____ **, V. V. Flambaum, and C. Harabati** — Calculation of positron binding to silver and gold atoms. A **62,** 042504

Echt, O. — (see Borggreen, J.) A **62,** 013202
Eckardt, J. C. — (see Famá, M.) A **62,** 062901
Eder, H., A. Mertens, K. Maass, H. Winter, HP. Winter, and F. Aumayr — Electron emission during grazing H^0-LiF(001) collisions. A **62,** 052901
Ederer, D. L. — (see McGuire, J. H.) A **62,** 012702
Ederth, Thomas — Template-stripped gold surfaces with 0.4-nm rms roughness suitable for force measurements: Application to the Casimir force in the 20–100-nm range. A **62,** 062104
Egger, J.-P. — (see Gartner, B.) A **62,** 012501
Egusquiza, I. L. and J. G. Muga — Consistent histories, the quantum Zeno effect, and time of arrival. A **62,** 032103
Ehlotzky, Fritz — (see Cionga, Aurelia) A **62,** 063406
Eichler, J. — (see Yerokhin, V. A.) A **62,** 042712
Eichmann, U. — (see Maeda, H.) A **62,** 035402(BR)
Eisert, J., K. Jacobs, P. Papadopoulos, and M. B. Plenio — Optimal local implementation of nonlocal quantum gates. A **62,** 052317
Ejnisman, R. — (see Young, Y. E.) A **62,** 055403(BR)
Ekert, A. — (see Giovannetti, V.) A **62,** 032306
Elattari, Brahim and S. A. Gurvitz — Influence of measurement on the lifetime and the linewidth of unstable systems. A **62,** 032102
Elhajal, M. — (see Borggreen, J.) A **62,** 013202
Ellingsen, K., T. Matila, T. Saue, H. Aksela, and O. Gropen — Fully relativistic configuration-interaction calculations on the vibrational and electronic structure of the $2p^{-1}\rightarrow 3p(\pi,\sigma)^{-2}$ normal Auger-electron spectrum of HCl. A **62,** 032502
Elliott, A. — (see Lower, J.) A **62,** 012706
Elliott, D. S. — (see Wang, Zheng-Min) A **62,** 053404
Ellis, D. G. — (see Curtis, L. J.) A **62,** 052513
Ellmann, H. — (see Jersblad, J.) A **62,** 051401(R)
Emmanouilidou, Agapi and L. E. Reichl — Scattering properties of an open quantum system. A **62,** 022709
Encinas-Sanz, F., I. Leyva, and J. M. Guerra — Time-resolved spatiotemporal dynamics in a broad-area CO_2 laser. A **62,** 043821
Engel, E., A. Höck, and R. M. Dreizler — Accuracy of the Krieger-Li-Iafrate approximation for molecules. A **62,** 042502
Engel, V. — (see Trump, C.) A **62,** 063402
Engler, H., T. Weber, M. Mudrich, R. Grimm, and M. Weidemüller — Very long storage times and evaporative cooling of cesium atoms in a quasielectrostatic dipole trap. A **62,** 031402(R)
Ensher, J. R. — (see Wang, H.) A **62,** 052704
Erdmann, Reinhard, David Branning, Warren Grice, and I. A. Walmsley — Restoring dispersion cancellation for entangled photons produced by ultrashort pulses. A **62,** 053810
_____ (see Branning, David) A **62,** 013814
Ereifej, Heider N. and J. G. Story — Direct measurement of oscillations between degenerate two-electron bound-state configurations in a rapidly autoionizing system. A **62,** 023404
_____ **and J. G. Story** — Short-pulse laser-induced stabilization of autoionizing states. A **62,** 033405
Erhard, Michael, Stefan Nußmann, and Hanspeter Helm — Power broadening and Doppler effects of coherent dark resonances in Rb. A **62,** 061802(R)
Erkan, K. — (see Tanatar, B.) A **62,** 053601
Ermolaev, A. M. and C. J. Joachain — Capture and detachment in $^3He^{2+}+H^-$ collisions. A **62,** 012710
_____ **and A. V. Selin** — Integral boundary conditions for the time-dependent Schrödinger equation: Superposition of the laser field and a long-range atomic potential. A **62,** 015401(BR)
Escribano, Rafael, Belén Maté, Félix Ortigoso, and Juan Ortigoso — Fringe-field effects on the time evolution of pendular states. A **62,** 023407
Esry, B. D. — (see Wells, E.) A **62,** 062707
Eyler, E. E. — (see Wang, H.) A **62,** 052704

Fabre, C. — (see Treps, N.) A **62,** 033816
Facchi, P. and S. Pascazio — Spontaneous emission and lifetime modification caused by an intense electromagnetic field. A **62,** 023804
_____ (see Řeháček, J.) A **62,** 013804
Faenov, A. Ya. — (see Doron, R.) A **62,** 052508
Fahmy, A. F. — (see Marx, R.) A **62,** 012310
Fainstein, P. D. — (see Galassi, M. E.) A **62,** 022701
Faisal, F. H. M. — (see Maeda, H.) A **62,** 035402(BR)
_____ (see Salamin, Yousef I.) A **62,** 053809
Famá, M., J. C. Eckardt, G. H. Lantschner, and N. R. Arista — Isotopic effects in the angular dependence of the energy loss and angular distribution of protons and deuterons in Al foils at low energies. A **62,** 062901
Fan, X. W. and K. T. Leung — Absolute generalized-oscillator-strength measurement of preionization-edge electronic excitations in the valence and $2p$ shells of argon. A **62,** 062703
Fang, Y. — (see Bartschat, K.) A **62,** 052719
Fang, Z., D. Chen, and Victor H. S. Kwong — Measurement of charge-transfer-rate coefficients of ground-state He^+ with N_2 and CH_4 at electron-volt energies. A **62,** 042709
Faoro, Lara — (see Zanardi, Paolo) A **62,** 030301(R)
Farine, M., P. Schuck, and X. Viñas — Moment of inertia of a trapped superfluid gas of atomic fermions. A **62,** 013608
Faucher, P. — (see Zhou, H. L.) A **62,** 012707
Feder, D. L., M. S. Pindzola, L. A. Collins, B. I. Schneider, and C. W. Clark — Dark-soliton states of Bose-Einstein condensates in anisotropic traps. A **62,** 053606
Feeler, C. R. — (see DuBois, R. D.) A **62,** 060701(R)
Feifer, R. — (see Sałek, P.) A **62,** 062506
Feili, D., Ph. Bosselmann, K.-H. Schartner, F. Folkmann, A. E. Livingston, E. Träbert, X. Ma, and P. H. Mokler — Measurements of $2s^2S_{1/2}$–$2p\ ^2P_{1/2}$ transition energies in lithiumlike heavy ions. III. Experimental results for Sn^{47+} and Xe^{51+}. A **62,** 022501
Felbinger, Timo, Luis Santos, Martin Wilkens, and Maciej Lewenstein — Time correlations of a laser-induced Bose-Einstein condensate. A **62,** 033603
Feldman, U. — (see Curdt, W.) A **62,** 022502
Felfli, Z. — (see Avdonina, N. B.) A **62,** 014703(BR)
Feng, Mang — (see Zheng, Shi-Biao) A **62,** 033807
_____ (see Zheng, Shi-Biao) A **62,** 035801(BR)
Ferguson, A. I. — (see Daly, E. M.) A **62,** 043807
Ferrero, M. — (see Santos, E.) A **62,** 024101(BR)
Fertig, H. A. and W. Kohn — Symmetry of the atomic electron density in Hartree, Hartree-Fock, and density-functional theories. A **62,** 052511
Fetter, Alexander L. — (see Svidzinsky, Anatoly A.) A **62,** 063617
Ficek, Z. — (see Akram, Uzma) A **62,** 013413
_____ (see Wang, Jin) A **62,** 013818
Figger, Hartmut — (see Wunderlich, Christof) A **62,** 023401
Figueira de Morisson Faria, Carla and Jan-Michael Rost — High-order harmonic generation from a confined atom. A **62,** 051402(R)
Filho, Victo S., A. Gammal, T. Frederico, and Lauro Tomio — Chaos in collapsing Bose-condensed gas. A **62,** 033605
Fill, E. — (see Tommasini, R.) A **62,** 034701(BR)

Fink, R. F. — (see Sałek, P.) A **62,** 062506
Fiol, J. — (see Fregenal, D.) A **62,** 012703
Fischer, C. Froese — (see Curtis, L. J.) A **62,** 052513
_____ (see Zou, Yu) A **62,** 062505
Fischer, Charlotte Froese — (see Biémont, Emile) A **62,** 032512
Fischer, Dietmar G. — (see Mack, Holger) A **62,** 042301
Fischer, Ingo, Yun Liu, and Peter Davis — Synchronization of chaotic semiconductor laser dynamics on subnanosecond time scales and its potential for chaos communication. A **62,** 011801(R)
Fiurášek, J., M. Dakna, T. Opatrný, and D.-G. Welsch — Sampling the canonical phase from phase-space functions. A **62,** 063811
Fiurášek, Jaromír — Direct sampling of exponential phase moments of smoothed Wigner functions. A **62,** 013822
_____ **and Jan Peřina** — Substituting scheme for nonlinear couplers: A group approach. A **62,** 033808
Flambaum, V. V. — (see Dzuba, V. A.) A **62,** 042504
_____ (see Dzuba, V. A.) A **62,** 052101
Fleck, Sonia — (see Moszkowski, Steven) A **62,** 032504
Fleischhauer, M., A. B. Matsko, and M. O. Scully — Quantum limit of optical magnetometry in the presence of ac Stark shifts. A **62,** 013808
_____ (see Sautenkov, V. A.) A **62,** 023810
Flesch, R., M. C. Schürmann, J. Plenge, H. Meiss, M. Hunnekuhl, and E. Rühl — Autoionization and photoionization of $O(^1D)$. A **62,** 052723
Fliller, R. P., III — (see Grossman, J. M.) A **62,** 052507
_____ (see Grossman, J. M.) A **62,** 062502
Flores, Kathryn L. — (see Ramakrishna, Viswanath) A **62,** 053409
Flores-Rueda, H. — (see Jensen, R. V.) A **62,** 053410
Focke, P. — (see Fregenal, D.) A **62,** 012703
Foden, C. L., V. I. Talyanskii, G. J. Milburn, M. L. Leadbeater, and M. Pepper — High-frequency acousto-electric single-photon source. A **62,** 011803(R)
Fojón, O. A. — (see Weck, P.) A **62,** 014701(BR)
Folkmann, F. — (see Feili, D.) A **62,** 022501
_____ (see Kjeldsen, H.) A **62,** 020702(R)
Fong, C. Y. — (see Cancio, Antonio C.) A **62,** 062507
Ford, L. H. and N. F. Svaiter — Focusing vacuum fluctuations. A **62,** 062105
Fort, C. — (see Modugno, M.) A **62,** 063607
Fortunato, Mauro — (see Massini, Michol) A **62,** 041401(R)
Fourcade, Paul — (see Kuba, Jaroslav) A **62,** 043808
Fowler, Joseph E. — (see Matxain, Jon M.) A **62,** 053201
Fradera, Xavier, Miquel Duran, Elmer Valderrama, and Jesus M. Ugalde — Charge-density concentration and electron-electron coalescence density in atoms and molecules. A **62,** 034502(BR)
Fraenkel, M. — (see Doron, R.) A **62,** 052508
Fratta, L. — (see Prati, F.) A **62,** 033819
Frederico, T. — (see Filho, Victo S.) A **62,** 033605
Fregenal, D., J. Fiol, G. Bernardi, S. Suárez, P. Focke, A. D. González, A. Muthig, T. Jalowy, K. O. Groeneveld, and H. Luna — Double capture with simultaneous ionization in He^{2+} on Ar collisions. A **62,** 012703
Frémont, F. — (see Tanis, J. A.) A **62,** 032715
Frew, B. J. — (see Gerton, J. M.) A **62,** 049901(E)
Freyberger, Matthias — (see Mack, Holger) A **62,** 042301
Fritz, Martin — (see Susuki, Yasufumi) A **62,** 012902
Fronc, K. — (see Bieniak, B.) A **62,** 022720
Fu, Panming — (see Wang, Bingbing) A **62,** 063816
Fujia, Yang — (see Maosheng, Li) A **62,** 052504
Fujimura, Yuichi — (see Kawata, Isao) A **62,** 031401(R)
Fulton, D. J. — (see McGloin, D.) A **62,** 053802
Fuquan, Lu — (see Maosheng, Li) A **62,** 052504
Fursa, D. — (see Avdonina, N. B.) A **62,** 014703(BR)
Furusawa, Akira — (see Hofmann, Holger F.) A **62,** 013806
_____ (see Hofmann, Holger F.) A **62,** 062304
Gaarde, Mette B. and Kenneth J. Schafer — Calculations of resonant multiphoton population transfer in potassium atoms at long wavelengths. A **62,** 053411
Gábris, A. — (see Koniorczyk, M.) A **62,** 013802
Gál, Tamás — Wave-function–density relationship in density-functional theory. A **62,** 044501(BR)
Galassi, M. E., R. D. Rivarola, M. Beuve, G. H. Olivera, and P. D. Fainstein — Theoretical calculation of single ionization in collisions between protons and low-Z molecules at intermediate and high energies. A **62,** 022701
Galindo, A. and M. A. Martín-Delgado — Family of Grover's quantum-searching algorithms. A **62,** 062303
Gallagher, T. F. — (see Jones, R. R.) A **62,** 033408
_____ (see Noel, Michael W.) A **62,** 063401
Gallagher Faeder, Sarah M. and David M. Jonas — Phase-resolved time-domain nonlinear optical signals. A **62,** 033820
Gallas, Jason A. C. — (see Beims, Marcus W.) A **62,** 043410
Galvão, Ernesto F. and Lucien Hardy — Building multiparticle states with teleportation. A **62,** 012309
_____ **and Lucien Hardy** — Cloning and quantum computation. A **62,** 022301
Gammal, A. — (see Filho, Victo S.) A **62,** 033605
Gao, Bo — Zero-energy bound or quasibound states and their implications for diatomic systems with an asymptotic van der Waals interaction. A **62,** 050702(R)
Gao, Shao-yan — (see Li, Fu-li) A **62,** 043809
García, G. and F. Blanco — Energy dependence of the total cross section for electron scattering by chloromethanes in the energy range 0.5–10 keV. A **62,** 044702
García-González, P., J. E. Alvarellos, and E. Chacón — Dimensional crossover of the kinetic-energy electronic density functional. A **62,** 014501(BR)
Garcia-Molina, Rafael, Cristian D. Denton, Isabel Abril, and Néstor R. Arista — Energy-loss and exit-angle distributions of fragmented H_2^+ ions after traversing carbon foils. A **62,** 012901
_____ (see Susuki, Yasufumi) A **62,** 012902
García-Ripoll, Juan J. — (see Pérez-García, Víctor M.) A **62,** 033601
Gardiner, C. W. — (see Davis, M. J.) A **62,** 063608
_____ (see Lee, M. D.) A **62,** 033606
Gardiner, S. A., D. Jaksch, R. Dum, J. I. Cirac, and P. Zoller — Nonlinear matter wave dynamics with a chaotic potential. A **62,** 023612
Gardou, J. P. — (see Sewraj, N.) A **62,** 052721
Garibotti, C. R., G. Gasaneo, and F. D. Colavecchia — Analytic properties of three-body continuum Coulomb wave functions. A **62,** 022710
Garraway, B. M. and V. G. Minogin — Theory of an optical dipole trap for cold atoms. A **62,** 043406
_____ (see Rodriguez, M.) A **62,** 053413
Gartner, B., P. Ackerbauer, W. H. Breunlich, M. Cargnelli, P. Kammel, R. King, B. Lauss, J. Marton, W. Prymas, J. Zmeskal, C. Petitjean, M. Augsburger, D. Chatellard, J.-P. Egger, T. von Egidy, F. J. Hartmann, A. Kosak, M. Mühlbauer, F. Mulhauser, L. A. Schaller, L. Schellenberg, H. Schneuwly, Y.-A. Thalmann, S. Tresch, and A. Werthmüller — Ground-state muon transfer from deuterium to ^{3}He and ^{4}He. A **62,** 012501
Garuccio, Augusto — (see Kim, Yoon-Ho) A **62,** 043820
Gasaneo, G. — (see Garibotti, C. R.) A **62,** 022710
Gateva-Kostova, S. — (see Bieniak, B.) A **62,** 022720
Gatti, Alessandra — (see Zambrini, Roberta) A **62,** 063801
Ge, Mo-Lin, L. C. Kwek, Yong Liu, C. H. Oh, and Xiang-Bin Wang — Unified approach for exactly solvable potentials in quantum mechanics using shift operators. A **62,** 052110
Gea-Banacloche, Julio — Error correction for mutually interacting qubits. A **62,** 062313
Geissler, M., G. Tempea, and T. Brabec — Phase-matched high-order harmonic generation in the nonadiabatic limit. A **62,** 033817
Gel'mukhanov, F. — (see Sałek, P.) A **62,** 062506

Genet, Cyriaque, Astrid Lambrecht, and Serge Reynaud — Temperature dependence of the Casimir effect between metallic mirrors. A **62,** 012110
Gensemer, S. D., P. L. Gould, P. J. Leo, E. Tiesinga, and C. J. Williams — Ultracold ^{87}Rb ground-state hyperfine-changing collisions in the presence and absence of laser light. A **62,** 030702(R)
Gerchikov, Leonid G., Andrey N. Ipatov, Roman G. Polozkov, and Andrey V. Solov'yov — Surface- and volume-plasmon excitations in electron inelastic scattering on metal clusters. A **62,** 043201
Gerry, Christopher C. and Adil Benmoussa — Two-mode coherent states for SU(1,1)⊗SU(1,1). A **62,** 033812
Gerth, Ch. — (see Kanngießer, B.) A **62,** 014702(BR)
_____ (see von dem Borne, A.) A **62,** 052703
Gerton, J. M., C. A. Sackett, B. J. Frew, and R. G. Hulet — Erratum: Dipolar relaxation collisions in magnetically trapped ^{7}Li [Phys. Rev. A **59**, 1514 (1999)]. A **62,** 049901(E)
Gevorkyan, S. T. — Bifurcation and quantum delocalized states in second-harmonic generation. A **62,** 013813
Ghafoor, Fazal, Shi-Yao Zhu, and M. Suhail Zubairy — Amplitude and phase control of spontaneous emission. A **62,** 013811
Ghosh, R. — (see Banerjee, Subhashish) A **62,** 042105
Giacobino, E. — (see Bramati, A.) A **62,** 043806
_____ (see Vernac, L.) A **62,** 063812
Giacomelli, G. — (see Prati, F.) A **62,** 033810
Gibson, George N. — (see Guo, Chunlei) A **62,** 015402(BR)
Giedke, G. — (see Duan, Lu-Ming) A **62,** 032304
Gill, P. — (see Roberts, M.) A **62,** 020501(R)
Gillaspy, J. D. — (see Chantler, C. T.) A **62,** 042501
_____ (see Träbert, E.) A **62,** 022507
Giovannetti, V., D. Vitali, P. Tombesi, and A. Ekert — Scalable quantum computation with cavity QED systems. A **62,** 032306
Gisselbrecht, M. — (see Marquette, A.) A **62,** 022513
Glaser, S. J. — (see Marx, R.) A **62,** 012310
Gleisberg, F., W. Wonneberger, U. Schlöder, and C. Zimmermann — Noninteracting fermions in a one-dimensional harmonic atom trap: Exact one-particle properties at zero temperature. A **62,** 063602
Głódź, M. — (see Bieniak, B.) A **62,** 022720
Glotov, A. V. and E. E. B. Campbell — Angular-resolved studies of fragmentation in fullerene-fullerene collisions. A **62,** 033202
Godefroid, Michel R. — (see Biémont, Emile) A **62,** 032512
Godehusen, K. — (see Kanngießer, B.) A **62,** 014702(BR)
Godone, Aldo, Filippo Levi, Salvatore Micalizio, and Jacques Vanier — Theory of the coherent population trapping maser: A strong-field self-consistent approach. A **62,** 053402
Godun, R. M., M. B. d'Arcy, M. K. Oberthaler, G. S. Summy, and K. Burnett — Quantum accelerator modes: A tool for atom optics. A **62,** 013411
Godunov, A. L. — (see McGuire, J. H.) A **62,** 012702
Golshani, M. — (see Abolhasani, M.) A **62,** 012106
González, A. D. — (see Fregenal, D.) A **62,** 012703
Gorceix, O. — (see Maréchal, E.) A **62,** 053603
Gordon, A. — (see Avron, J. E.) A **62,** 062504
Gotoh, S. — (see Kita, S.) A **62,** 032704
Gould, P. L. — (see Gensemer, S. D.) A **62,** 030702(R)
_____ (see Wang, H.) A **62,** 052704
Gourlay, Iain and John F. Snowdon — Concatenated coding in the presence of dephasing. A **62,** 022308
Grafström, P. — (see Vane, C. R.) A **62,** 010701(R)
Graham, Robert — Condensate fluctuations in finite Bose-Einstein condensates at finite temperature. A **62,** 023609
Grandin, J. P. — (see Tanis, J. A.) A **62,** 032715
Granger, Brian E. and Chris H. Greene — Extending closed-orbit theory using quantum-defect ideas: Basic concepts and derivations. A **62,** 012511
Grangier, Philippe — (see Brouri, Rosa) A **62,** 063817
Grant, I. P. and H. M. Quiney — Rayleigh-Ritz approximation of the Dirac operator in atomic and molecular physics. A **62,** 022508
Gravielle, M. S. — Electron emission in grazing-ion–surface collisions. A **62,** 062903
_____ (see Arbó, D. G.) A **62,** 032901
Greene, C. H. — (see Larson, Å.) A **62,** 042707
Greene, Chris H. — (see Granger, Brian E.) A **62,** 012511
Greene, Chris. H. — (see Wang, H.) A **62,** 052704
Greffet, J.-J. — (see Carminati, R.) A **62,** 012712
Grice, Warren — (see Branning, David) A **62,** 013814
_____ (see Erdmann, Reinhard) A **62,** 053810
Grieser, M. — (see Schippers, S.) A **62,** 022708
Griesmann, Ulf — (see Dzierżęga, Krzysztof) A **62,** 022505
Griffin, D. C. — (see Mitnik, D. M.) A **62,** 062711
_____ (see Pindzola, M. S.) A **62,** 042705
Griffith, W. M. — (see Noel, Michael W.) A **62,** 063401
Grigoriev, S. V., W. H. Kraan, F. M. Mulder, and M. Th. Rekveldt — Neutron-wave-interference experiments with two resonance coils. A **62,** 063601
Grimm, R. — (see Engler, H.) A **62,** 031402(R)
Grishanin, B. A. and V. N. Zadkov — Coherent-information analysis of quantum channels in simple quantum systems. A **62,** 032303
Gritsenko, O. V., S. J. A. van Gisbergen, P. R. T. Schipper, and E. J. Baerends — Origin of the field-counteracting term of the Kohn-Sham exchange-correlation potential of molecular chains in an electric field. A **62,** 012507
Groeneveld, K. O. — (see Fregenal, D.) A **62,** 012703
Gropen, O. — (see Ellingsen, K.) A **62,** 032502
Grossman, J. M., R. P. Fliller, III, T. E. Mehlstäubler, L. A. Orozco, M. R. Pearson, G. D. Sprouse, and W. Z. Zhao — Energies and hyperfine splittings of the 7*D* levels of atomic francium. A **62,** 052507
_____ **, R. P. Fliller, III, L. A. Orozco, M. R. Pearson, and G. D. Sprouse** — Lifetime measurements of the 7*D* levels of atomic francium. A **62,** 062502
Grün, N. — (see Voitkiv, A. B.) A **62,** 062701
Grushevsky, V. — (see Bieniak, B.) A **62,** 022720
Gu, B-L. — (see Wang, Q.) A **62,** 063203
Gu, J. P., G. Hirsch, R. J. Buenker, M. Kimura, C. M. Dutta, and P. Nordlander — Charge transfer in F^{2+} ions colliding with He atoms below keV energies and its reverse process. A **62,** 052720
Gu, Jiang P. — (see Kusakabe, Toshio) A **62,** 062714
Guennou, H. — (see Larroche, O.) A **62,** 043815
Guérin, S. — (see Unanyan, R.G.) A **62,** 043407
Guerra, J. M. — (see Encinas-Sanz, F.) A **62,** 043821
Guerreiro, A. — (see Mendonça, J. T.) A **62,** 033805
Guéry-Odelin, D. — Spinning up and down a Boltzmann gas. A **62,** 033607
Gulyás, L., T. Kirchner, T. Shirai, and M. Horbatsch — Origin of structures in the low-energy single-electron continuum in calculations for ion collisions from argon. A **62,** 022702
_____ (see Dhal, B. B.) A **62,** 022714
Guo, Chunlei, Richard T. Jones, and George N. Gibson — Influence of spatial symmetry on the dynamics of strong-field ionization. A **62,** 015402(BR)
Guo, G. C. — (see Yi, X. X.) A **62,** 062312
Guo, Guang-Can — (see Shi, Bao-Sen) A **62,** 054301(BR)
_____ (see Zhang, Chuan-Wei) A **62,** 042302
Gurvitz, S. A. — (see Elattari, Brahim) A **62,** 032102
Gwinner, G. — (see Schippers, S.) A **62,** 022708
_____ (see Träbert, E.) A **62,** 022507

Haan, S. L. — (see Behar, E.) A **62,** 030501(R)
Habib, Salman — (see Doherty, Andrew C.) A **62,** 012105
Hack, J., L. Liu, M. Olshanii, and H. Metcalf — Velocity-selective coherent population trapping of two-level atoms. A **62,** 013405
Haetty, J. — (see Chang, H. C.) A **62,** 013816
Häffner, Hartmut — (see Beier, Thomas) A **62,** 032510
Haghighat, K. — (see Opitz, J.) A **62,** 022705
Hahn, Yukap — Polarizability of Rydberg atoms and the dominant long-range interactions. A **62,** 042703
Halfmann, T. — (see Hay, N.) A **62,** 041803(R)

Hall, John L., Jun Ye, and Long-Sheng Ma — Measurement of mirror birefringence at the sub-ppm level: Proposed application to a test of QED. A **62,** 013815
Hall, Michael J. W. — Quantum properties of classical Fisher information. A **62,** 012107
Hall, R. I. — (see Pelicon, P.) A **62,** 022704
Hall, Richard L. — General energy bounds for systems of bosons with soft cores. A **62,** 052510
Halley, J. W. — (see Wynveen, A.) A **62,** 023602
Hämäläinen, K. — (see Diamant, R.) A **62,** 052519
Hancox, Cindy I. — (see Mitchell, M. W.) A **62,** 043819
Hands, Ian D., Shujie Lin, Stephen R. Meech, and David L. Andrews — Quantum-electrodynamical treatment of second-harmonic generation through phase-conjugate six-wave mixing: Temporal analysis. A **62,** 023807
Hänsch, T. W. — (see Scheunemann, R.) A **62,** 051801(R)
_____ (see Udem, Th.) A **62,** 031801(R)
Hänsch, Theodor W. — (see Wunderlich, Christof) A **62,** 023401
Hansen, J. E. — (see von dem Borne, A.) A **62,** 052703
Hansen, K. — (see Borggreen, J.) A **62,** 013202
Hanssen, J. — (see Weck, P.) A **62,** 014701(BR)
Hansson, T. H. — (see Viefers, S.) A **62,** 053604
Hanstorp, Dag — (see Andersson, Karin T.) A **62,** 022503
Hara, Koh'ichiro and Ichiro Ohba — Estimation of the Büttiker-Landauer traversal time based on the visibility of transmission current. A **62,** 032104
Harabati, C. — (see Dzuba, V. A.) A **62,** 042504
Hardy, Lucien and David D. Song — Entanglement-swapping chains for general pure states. A **62,** 052315
_____ (see Galvão, Ernesto F.) A **62,** 012309
_____ (see Galvão, Ernesto F.) A **62,** 022301
Harmon, B. N. — (see Katsnelson, M. I.) A **62,** 022118
Haroche, S. — (see Nogues, G.) A **62,** 054101(BR)
Haroutyunyan, H. L. — (see Muradyan, A. Zh.) A **62,** 013401
Harris, B. W., F. Chen, and U. Mohideen — Precision measurement of the Casimir force using gold surfaces. A **62,** 052109
Hartman, J. W., T. A. Tombrello, S. Bouneau, S. Della Negra, D. Jacquet, Y. Le Beyec, and M. Pautrat — Simulation of MeV/atom cluster correlations in matter. A **62,** 043202
Hartmann, F. J. — (see Gartner, B.) A **62,** 012501
Hashi, Y. — (see Wang, Q.) A **62,** 063203
Havel, T. F. — (see Tseng, C. H.) A **62,** 032309
Havel, Timothy F. — (see Sharf, Yehuda) A **62,** 052314
Havey, M. D. — (see Bayram, S. B.) A **62,** 012503
Hay, N., R. de Nalda, T. Halfmann, K. J. Mendham, M. B. Mason, M. Castillejo, and J. P. Marangos — Pulse-length dependence of high-order harmonic generation in dissociating cyclic organic molecules. A **62,** 041803(R)
Heber, O. — (see Bhushan, K. G.) A **62,** 012504
Heideman, H. G. M. — (see Amelink, A.) A **62,** 013408
Helm, Hanspeter — (see Erhard, Michael) A **62,** 061802(R)
_____ (see Wolf, Steffen) A **62,** 043408
Helmcke, Jürgen — (see Binnewies, Tomas) A **62,** 011601(R)
Hennecart, D. — (see Tanis, J. A.) A **62,** 032715
Hering, Ph. — (see Cornaggia, C.) A **62,** 023403
Hermanspahn, Nikolaus — (see Beier, Thomas) A **62,** 032510
Hermier, J.-P. — (see Bramati, A.) A **62,** 043806
Hernández, E. S. — (see Capuzzi, P.) A **62,** 023603
Hernández-Lamoneda, R. — (see Amaya-Tapia, A.) A **62,** 052718
Herrmann, J. — (see Kalosha, V. P.) A **62,** 011804(R)
Herschbach, Dudley R. — (see Mazziotti, David A.) A **62,** 043603
Herzog, C. — (see Olshanii, M.) A **62,** 033612
Herzog, Ulrike and János A. Bergou — Quantum-limited linewidth of a good-cavity laser: An analytical theory from near to far above threshold. A **62,** 063814
Hess, Ortwin — (see Hofmann, Holger F.) A **62,** 063807
Hessmo, Björn and Erik Sjöqvist — Quantal phase for nonmaximally entangled photons. A **62,** 062301
Hill, S. B., R. Parthasarathy, L. Suess, and F. B. Dunning — Influence of electric fields on background photo- and collisional ionization processes in Rydberg-atom collision studies. A **62,** 015403(BR)
Hillery, Mark — (see Bužek, Vladimír) A **62,** 022303
_____ (see Bužek, Vladimír) A **62,** 052303
_____ (see Skvarcek, Jozef) A **62,** 013807
Hiraya, A. — (see Saito, N.) A **62,** 042503
Hiroshima, Tohya and Satoshi Ishizaka — Local and nonlocal properties of Werner states. A **62,** 044302(BR)
_____ (see Ishizaka, Satoshi) A **62,** 022310
Hirota, Osamu — (see Sohma, Masaki) A **62,** 052312
Hirsch, G. — (see Gu, J. P.) A **62,** 052720
Hirsch, Gerhard — (see Kusakabe, Toshio) A **62,** 062714
_____ (see Kusakabe, Toshio) A **62,** 062715
Hjelte, I. — (see Sałek, P.) A **62,** 062506
Ho, Y. K. and Zong-Chao Yan — *F*- and *G*-wave resonances in positronium-hydrogen scattering. A **62,** 052503
Hoang, A. H., P. Labelle, and S. M. Zebarjad — $O(m_e\alpha^6)$ positronium hyperfine splitting due to single-photon annihilation. A **62,** 012109
Höck, A. — (see Engel, E.) A **62,** 042502
Hoekstra, R. — (see Schlathölter, T.) A **62,** 042901
Hofmann, G. — (see Müller, A.) A **62,** 062720
Hofmann, Holger F. — Information and noise in quantum measurement. A **62,** 022103
_____ **and Ortwin Hess** — Thermal photon statistics in laser light above threshold. A **62,** 063807
_____ **, Toshiki Ide, Takayoshi Kobayashi, and Akira Furusawa** — Fidelity and information in the quantum teleportation of continuous variables. A **62,** 062304
_____ **, Takayoshi Kobayashi, and Akira Furusawa** — Nonclassical correlations of photon number and field components in the vacuum state. A **62,** 013806
Holland, Murray — (see Bhongale, Satyan) A **62,** 043604
Holton, W. C. — (see Collins, David) A **62,** 022304
Homann, F. — (see Müller, M.) A **62,** 060501(R)
Home, Dipankar — (see Corbett, John V.) A **62,** 062103
Hongliang, Ma — (see Maosheng, Li) A **62,** 052504
Horáček, Jiří — (see Ingr, Marek) A **62,** 032703
Horak, Peter — (see Jeffers, John) A **62,** 043602
Horbatsch, M. — (see Gulyás, L.) A **62,** 022702
_____ (see Kirchner, T.) A **62,** 042704
Horikoshi, Atsushi — (see Aoki, Ken-Ichi) A **62,** 022101
Hornos, J. E. — (see De Groote, J. J.) A **62,** 032508
Horodecki, Michał — (see Badziąg, Piotr) A **62,** 012311
Horodecki, P. — (see Lewenstein, M.) A **62,** 052310
Horodecki, Paweł — Relativistic *J*-matrix method. A **62,** 052716
_____ **, Maciej Lewenstein, Guifré Vidal, and Ignacio Cirac** — Operational criterion and constructive checks for the separability of low-rank density matrices. A **62,** 032310
_____ (see Badziąg, Piotr) A **62,** 012311
Horodecki, Ryszard — (see Badziąg, Piotr) A **62,** 012311
Horvat, V. — (see Watson, R. L.) A **62,** 052709
Hosoya, A. — (see Carlini, A.) A **62,** 032312
Hoszowska, J. — (see Mauron, O.) A **62,** 062508
Hou, Guang — (see Huang, Minxin) A **62,** 052106
Howard, A. — (see Wynveen, A.) A **62,** 023602
Howard, I. A., N. H. March, P. Senet, and V. E. Van Doren — Nonrelativistic exchange-energy density and exchange potential in the lowest order of the $1/Z$ expansion for ten-electron atomic ions. A **62,** 062512
Howell, John C. and John A. Yeazell — Entangling macroscopic quantum states. A **62,** 012102
_____ **and John A. Yeazell** — Nondestructive single-photon trigger. A **62,** 032311
_____ **, John A. Yeazell, and Dan Ventura** — Optically simulating a quantum associative memory. A **62,** 042303
Høyer, Peter — Arbitrary phases in quantum amplitude amplification. A **62,** 052304

Hoyuelos, Miguel — (see Zambrini, Roberta) A **62,** 063801
Hradil, Z., J. Summhammer, G. Badurek, and H. Rauch — Reconstruction of the spin state. A **62,** 014101(BR)
Hu, B. L. — (see Anastopoulos, Charis) A **62,** 033821
Hu, Bambi and Le-Man Kuang — Tunneling dynamics of Bose-Einstein condensates with Feshbach resonances. A **62,** 023610
Hu, X. K., J. B. A. Mitchell, and R. H. Lipson — Resonance-enhanced multiphoton-ionization–photoelectron study of the dissociative recombination and associative ionization of Xe_2^+. A **62,** 052712
Huang, Minxin, Yongde Zhang, and Guang Hou — Classical capacity of a quantum multiple-access channel. A **62,** 052106
Hua Xie, Rui — Comment on ''Influence of nonlinearity in one-photon processes on the relationship between field and dipole squeezing in the two-level thermal Jaynes-Cummings model''. A **62,** 017801(C)
Huber, B. A. — (see Opitz, J.) A **62,** 022705
Hudson, L. T. — (see Chantler, C. T.) A **62,** 042501
Huelga, S. F. and M. B. Plenio — Quantum stochastic resonance in electron shelving. A **62,** 052111
Hug, M. — (see Liu, X. M.) A **62,** 043801
Hughes, S. — Subfemtosecond soft-x-ray generation from a two-level atom: Extreme carrier-wave Rabi flopping. A **62,** 055401(BR)
Hulet, R. G. — (see Gerton, J. M.) A **62,** 049901(E)
Hulett, L. D. — (see Moxom, J.) A **62,** 052708
Humphrey, M. A., D. F. Phillips, and R. L. Walsworth — Double-resonance frequency shift in a hydrogen maser. A **62,** 063405
Hunnekuhl, M. — (see Flesch, R.) A **62,** 052723
Huotari, S. — (see Diamant, R.) A **62,** 052519
Husson, X. — (see Tanis, J. A.) A **62,** 032715
Hvelplund, P. — (see Boltalina, O. V.) A **62,** 023202
Hwang, S. W. — (see Oh, J. H.) A **62,** 052306
Hwang, Sung Woo — (see Hwang, WonYoung) A **62,** 062305
Hwang, WonYoung, Hyukjae Lee, Doyeol (David) Ahn, and Sung Woo Hwang — Efficient schemes for reducing imperfect collective decoherences. A **62,** 062305

Iblisdir, S. — (see Cerf, N. J.) A **62,** 040301(R)
Ibuki, T. — (see Saito, N.) A **62,** 042503
Ichihara, Akira — (see Zhao, Li-Bo) A **62,** 022706
Ide, Toshiki — (see Hofmann, Holger F.) A **62,** 062304
Iga, I. — (see Lee, M.-T.) A **62,** 062710
Igarashi, A., A. Ohsaki, and S. Nakazaki — Single ionization of helium by antiproton impact. A **62,** 052722
_____ (see Zhao, Z. X.) A **62,** 042706
Ihra, W. — (see Chocian, P.) A **62,** 014704(BR)
Iida, Akira — (see Kusakabe, Toshio) A **62,** 062715
Ikram, Manzoor, Shi-Yao Zhu, and M. Suhail Zubairy — Quantum teleportation of an entangled state. A **62,** 022307
Imanaka, M. — (see Miura, T.) A **62,** 021201(R)
Imoto, N. — (see Bužek, V.) A **62,** 062309
Imoto, Nobuyuki — (see Koashi, Masato) A **62,** 050302(R)
_____ (see Shimizu, Kaoru) A **62,** 054303(BR)
_____ (see Yamashita, Makoto) A **62,** 033602
Ingr, Marek, Martin Polášek, Petr Čársky, and Jiří Horáček — Discrete momentum representation method for polar molecules: Calculation of the elastic electron scattering on the H_2O molecule. A **62,** 032703
Inoue, Hironobu — (see Mitsunaga, Masaharu) A **62,** 013817
Inoue, Shuichiro — (see Björk, Gunnar) A **62,** 023817
Ipatov, A. — (see Kheifets, A. S.) A **62,** 052724
Ipatov, Andrey N. — (see Gerchikov, Leonid G.) A **62,** 043201
Ishiguro, E. — (see Saito, N.) A **62,** 042503
Ishikawa, Kenichi and Thomas Blenski — Explosion dynamics of rare-gas clusters in an intense laser field. A **62,** 063204
Ishikawa, Kiyoshi and Tsutomu Yabuzaki — Diffusion coefficient and sublevel coherence of Rb atoms in N_2 buffer gas. A **62,** 065401(BR)
Ishizaka, Satoshi and Tohya Hiroshima — Maximally entangled mixed states under nonlocal unitary operations in two qubits. A **62,** 022310
_____ (see Hiroshima, Tohya) A **62,** 044302(BR)
Itano, W. M. — (see Turchette, Q. A.) A **62,** 053807
Itatani, Jiro — (see Tamaki, Yusuke) A **62,** 063802
Itza-Ortiz, S. — (see McGuire, J. H.) A **62,** 012702
Ivlev, B. I. — Control of tunneling by adapted signals. A **62,** 062102

Jacobs, K. — (see Eisert, J.) A **62,** 052317
Jacobs, Kurt — (see Doherty, Andrew C.) A **62,** 012105
Jacobs, V. L. — (see Behar, E.) A **62,** 030501(R)
Jacobson, P. L., R. A. Komara, W. G. Sturrus, and S. R. Lundeen — Microwave spectroscopy of heliumlike Rydberg states of H_2 and D_2: Determinations of the dipole polarizabilities of H_2^+ and D_2^+ ground states. A **62,** 012509
Jacquet, D. — (see Hartman, J. W.) A **62,** 043202
Jacquet, E., H. Kucal, V. Bazin, P. Boduch, M. Chantepie, G. Cremer, C. Laulhé, D. Lecler, and J. Pascale — Emission-line polarization degrees and $n\ell m_\ell$ distributions produced by state-selective electron capture in slow Kr^{8+}-Li($2s$) collisions. A **62,** 022712
_____ (see Bazin, V.) A **62,** 052706
Jaeger, Gregg — (see Rice, Dien A.) A **62,** 012101
Jahma, Mika — (see Dušek, Miloslav) A **62,** 022306
Jainz, M. — (see Kanngießer, B.) A **62,** 014702(BR)
Jaksch, D. — (see Gardiner, S. A.) A **62,** 023612
Jalowy, T. — (see Fregenal, D.) A **62,** 012703
Jamelot, Gérard — (see Kuba, Jaroslav) A **62,** 043808
Jamieson, M. J., A. Dalgarno, B. Zygelman, P. S. Krstić, and D. R. Schulz — Erratum: Collisions of ground-state hydrogen atoms [Phys. Rev. A **61**, 014701 (2000)]. A **62,** 069902(E)
Janowicz, Maciej — (see Żakowicz, Władysław) A **62,** 013820
Janszky, J. — (see Koniorczyk, M.) A **62,** 013802
Jaśniecki, W. — (see Jastrzebski, W.) A **62,** 042509
Jastrzebski, W., W. Jaśniecki, P. Kowalczyk, R. Nadyak, and A. Pashov — Spectroscopic investigation of the double-minimum $2\,^1\Sigma_u^+$ state of the potassium dimer. A **62,** 042509
Jauslin, H.R. — (see Unanyan, R.G.) A **62,** 043407
Javanainen, Juha — (see Koštrun, Marijan) A **62,** 063616
Jedrkiewicz, Ottavia — (see Barnett, Stephen M.) A **62,** 022313
Jeffers, John, Peter Horak, Stephen M. Barnett, and Paul M. Radmore — Bound mode of an atom laser. A **62,** 043602
_____ (see Barnett, Stephen M.) A **62,** 022313
Jelenković, B. M. — (see Newbury, A. S.) A **62,** 023405
Jennerich, R. M. and D. A. Tate — Hyperfine-structure intervals and isotope shifts in the $2p^3 3s\ ^5S_2 \rightarrow 2p^3 3p\ ^5P_{J'}$ transitions of atomic oxygen. A **62,** 042506
Jensen, M. J. — (see Safvan, C. P.) A **62,** 019901(E)
Jensen, R. V., H. Flores-Rueda, J. D. Wright, M. L. Keeler, and T. J. Morgan — Structure of the Stark recurrence spectrum. A **62,** 053410
Jeong, Hyunseok — (see Lee, Jinhyoung) A **62,** 032305
Jersblad, J., H. Ellmann, and A. Kastberg — Experimental investigation of the limit of Sisyphus cooling. A **62,** 051401(R)
Jhe, Wonho — (see Lee, Chang-Woo) A **62,** 053805
Jiang, Hong Wen — (see Vrijen, Rutger) A **62,** 012306
Jiang, Yuhai, Jinfeng Sun, and Lingde Wan — Additivity rule for the calculation of electron scattering from polyatomic molecules. A **62,** 062712
Jiang, Yun-Kun — (see Shi, Bao-Sen) A **62,** 054301(BR)
Jiayong, Tang — (see Maosheng, Li) A **62,** 052504
Jing, Jietai — (see Zhang, Yun) A **62,** 023813
Joachain, C. J. — (see Ermolaev, A. M.) A **62,** 012710
Johnson, Neil F. — (see Reina, John H.) A **62,** 012305
Johnson, R. L. — (see von dem Borne, A.) A **62,** 052703
Johnson, W. R. — (see Safronova, M. S.) A **62,** 022112
_____ (see Safronova, U. I.) A **62,** 052505
_____ (see Savukov, I. M.) A **62,** 052506
_____ (see Savukov, I. M.) A **62,** 052512
Jonas, David M. — (see Gallagher Faeder, Sarah M.) A **62,** 033820

Jonathan, D., M. B. Plenio, and P. L. Knight — Fast quantum gates for cold trapped ions. A **62,** 042307
Jonathan, Daniel — (see Vidal, Guifré) A **62,** 012304
Jones, K. M. — (see Amelink, A.) A **62,** 013408
Jones, R. R., B. J. Lyons, M. A. Baig, Svetlana T. Djambova, and T. F. Gallagher — Isolated-core excitations in strong electric fields. III. The Ba $6p_jnk$ series. A **62,** 033408
Jones, Richard T. — (see Guo, Chunlei) A **62,** 015402(BR)
Jones, S. and D. H. Madison — Ionization of hydrogen atoms by fast electrons. A **62,** 042701
Jørgensen, T. J. D. — (see Boltalina, O. V.) A **62,** 023202
Jortner, Joshua — (see Last, Isidore) A **62,** 013201
Joshi, Amitabh — Nonlinear dynamical evolution of the driven two-photon Jaynes-Cummings model. A **62,** 043812
Jost, V. — (see Bramati, A.) A **62,** 043806
Joulakian, B. — (see Weck, P.) A **62,** 014701(BR)
Jozsa, Richard and Jürgen Schlienz — Distinguishability of states and von Neumann entropy. A **62,** 012301
Julienne, P. S. — (see Boisseau, C.) A **62,** 052705
_____ (see Trippenbach, Marek) A **62,** 023608
_____ (see Wang, H.) A **62,** 052704
_____ (see Yurovsky, V. A.) A **62,** 043605
Jun, Jin Woo and Ho Seong Lee — Kinetic theory of magneto-optical traps with finite-linewidth lasers. A **62,** 063407
Jungen, Ch. — (see Matzkin, A.) A **62,** 062511
Jurvansuu, M. — (see Alitalo, S.) A **62,** 032710

Kabachnik, N. M. — (see Siegmann, B.) A **62,** 022718
Kais, Sabre and Qicun Shi — Quantum criticality and stability of three-body Coulomb systems. A **62,** 060502(R)
Kalosha, V. P. and J. Herrmann — Self-phase modulation and compression of few-optical-cycle pulses. A **62,** 011804(R)
Kamli, Ali and M. Babiker — Dielectric cavity QED between photonic crystals: An effective uniaxial medium approach. A **62,** 043804
Kammel, P. — (see Gartner, B.) A **62,** 012501
Kanhere, D. G., Ajeeta Dhavale, E. V. Ludeña, and V. Karasiev — *Ab initio* linear scaling method for electronic structure calculations via local scaling transformations. A **62,** 065201(BR)
_____ (see Deshpande, M.) A **62,** 063202
Kanngießer, B., M. Jainz, S. Brünken, W. Benten, Ch. Gerth, K. Godehusen, K. Tiedtke, P. van Kampen, A. Tutay, P. Zimmermann, V. F. Demekhin, and A. G. Kochur — Simultaneous determination of radiative and nonradiative decay channels in the neon *K* shell. A **62,** 014702(BR)
Kao, C. C. — (see Diamant, R.) A **62,** 052519
Kaplan, A. E. and Y. J. Ding — Field-gradient-induced second-harmonic generation in magnetized vacuum. A **62,** 043805
Kar, Sabyasachi and Puspajit Mandal — Positronium formation in positron-hydrogen scattering using Schwinger's principle. A **62,** 052514
Karasiev, V. — (see Kanhere, D. G.) A **62,** 065201(BR)
Karasiev, V. V., E. V. Ludeña, and A. N. Artemyev — Electronic-structure kinetic-energy functional based on atomic local-scaling transformations. A **62,** 062510
Karlsson, Anders — (see Ljunggren, Daniel) A **62,** 022305
Karoussos, N. — (see Bonatsos, Dennis) A **62,** 013203
Karpov, E., G. Ordonez, T. Petrosky, I. Prigogine, and G. Pronko — Causality, delocalization, and positivity of energy. A **62,** 012103
Kasperovich, V., G. Tikhonov, K. Wong, and V. V. Kresin — Negative-ion formation in collisions of low-energy electrons with neutral sodium clusters. A **62,** 063201
Kastberg, A. — (see Jersblad, J.) A **62,** 051401(R)
Kato, Daiji — (see Tong, Xiao-Min) A **62,** 052701
Katsnelson, M. I., V. V. Dobrovitski, and B. N. Harmon — Propagation of local decohering action in distributed quantum systems. A **62,** 022118
Kavoulakis, G. M., B. Mottelson, and C. J. Pethick — Weakly interacting Bose-Einstein condensates under rotation. A **62,** 063605
Kawata, Isao, Hirohiko Kono, Yuichi Fujimura, and André D. Bandrauk — Intense-laser-field-enhanced ionization of two-electron molecules: Role of ionic states as doorway states. A **62,** 031401(R)
Kawazoe, Y. — (see Wang, Q.) A **62,** 063203
Kayanuma, Yosuke and Yoshihiko Mizumoto — Landau-Zener transitions in a level-crossing system with periodic modulations of the diagonal energy. A **62,** 061401(R)
Keeler, M. L. — (see Jensen, R. V.) A **62,** 053410
Keitel, Christoph H. — (see Salamin, Yousef I.) A **62,** 053809
Keller, C. — (see Bernet, S.) A **62,** 023606
Keller, J.-C. — (see Maréchal, E.) A **62,** 053603
Keller, Ole — Space-time description of photon emission from an atom. A **62,** 022111
Kellman, Michael E. — (see Yang, Shuangbo) A **62,** 022105
Kempe, J., C. Simon, and G. Weihs — Optimal photon cloning. A **62,** 032302
Kennedy, T. A. B. — (see Berhane, Bereket) A **62,** 033611
_____ (see Khibnik, A. I.) A **62,** 063815
Khandokhin, P. A. — (see Abraham, N. B.) A **62,** 013810
Khanin, Ya. I. — (see Abraham, N. B.) A **62,** 013810
Kheifets, A. S. and Igor Bray — Equal energy-sharing double photoionization of helium from near-threshold to high energies. A **62,** 065402(BR)
_____ **, A. Ipatov, M. Arifin, and Igor Bray** — Double-photoionization calculations of the helium metastable $2\,^{1,3}S$ states. A **62,** 052724
Kheruntsyan, K. V. and K. G. Petrosyan — Exact steady-state Wigner function for a nondegenerate parametric oscillator. A **62,** 015801(BR)
Khibnik, A. I., Y. Braiman, V. Protopopescu, T. A. B. Kennedy, and K. Wiesenfeld — Amplitude dropout in coupled lasers. A **62,** 063815
Khurgin, Jacob B. — Light slowing down in Moiré fiber gratings and its implications for nonlinear optics. A **62,** 013821
Kielpinski, D. — (see Turchette, Q. A.) A **62,** 053807
Kim, Jaehyun, Jae-Seung Lee, Soonchil Lee, and Chaejoon Cheong — Implementation of the refined Deutsch-Jozsa algorithm on a three-bit NMR quantum computer. A **62,** 022312
Kim, Jung-Hoon, Hyun Joon Shin, Dong Gun Lee, and Chang Hee Nam — Enhanced spectral resolution of high-order harmonics by the coherent sum of dipole spectra. A **62,** 055402(BR)
Kim, K. W. — (see Collins, David) A **62,** 022304
Kim, Kyungbum — (see Lee, Chang-Woo) A **62,** 053805
Kim, M. S. — (see Lee, Jinhyoung) A **62,** 032305
Kim, Yong-Ki, José Paulo Santos, and Fernando Parente — Extension of the binary-encounter-dipole model to relativistic incident electrons. A **62,** 052710
Kim, Yoon-Ho, Vincenzo Berardi, Maria V. Chekhova, Augusto Garuccio, and Yanhua Shih — Temporal indistinguishability and quantum interference. A **62,** 043820
_____ **, Sergei P. Kulik, and Yanhua Shih** — High-intensity pulsed source of space-time and polarization double-entangled photon pairs. A **62,** 011802(R)
Kimball, D. F. — (see Budker, D.) A **62,** 043403
Kimble, H. J. — (see Pereira, S. F.) A **62,** 042311
_____ (see van Loock, P.) A **62,** 022309
Kimura, Kenji, Satoshi Usui, and Kaoru Nakajima — Secondary-electron emission by 0.5-MeV/u H, He, and Li ions specularly reflected from a SnTe(001) surface: Possibility of the surface track potential reducing the secondary-electron yield at a semiconductor surface. A **62,** 062902
_____ (see Susuki, Yasufumi) A **62,** 012902
Kimura, M. — (see Gu, J. P.) A **62,** 052720
Kimura, Mineo — (see Kusakabe, Toshio) A **62,** 062714
_____ (see Kusakabe, Toshio) A **62,** 062715
King, B. E. — (see Turchette, Q. A.) A **62,** 053807
King, R. — (see Gartner, B.) A **62,** 012501
Kioseoglou, G. — (see Chang, H. C.) A **62,** 013816

Kirchner, T., M. Horbatsch, H. J. Lüdde, and R. M. Dreizler — Time-dependent screening effects in ion-atom collisions with many active electrons. A **62,** 042704
_____ (see Gulyás, L.) A **62,** 022702
Kita, S., S. Gotoh, N. Shimakura, and S. Koseki — Excitation mechanisms in moderate-energy Li^+-Ne collisions. A **62,** 032704
Kivimäki, A. — (see Alitalo, S.) A **62,** 032710
Kivshar, Yuri S. — (see Bergé, Luc) A **62,** 023607
Kiyan, Igor Yu. — (see Andersson, Karin T.) A **62,** 022503
Kjeldsen, H., P. Andersen, F. Folkmann, H. Knudsen, B. Kristensen, J. B. West, and T. Andersen — Absolute photoionization cross sections of I^+ and I^{2+} in the $4d$ ionization region. A **62,** 020702(R)
Klavins, J. — (see Bieniak, B.) A **62,** 022720
Kleinert, H. — (see Bachmann, M.) A **62,** 052509
Kleppner, Daniel — (see Kondratovich, Vladimir) A **62,** 043409
Klimchitskaya, G. L. — (see Bezerra, V. B.) A **62,** 014102(BR)
Klimov, V. V. and M. Ducloy — Allowed and forbidden transitions in an atom placed near an ideally conducting cylinder. A **62,** 043818
Klisnick, A. — (see Larroche, O.) A **62,** 043815
Klisnick, Annie — (see Kuba, Jaroslav) A **62,** 043808
Klöpfel, D. — (see Tarasevitch, A.) A **62,** 023816
Knight, P. L. — (see Bužek, V.) A **62,** 062309
_____ (see Jonathan, D.) A **62,** 042307
Knight, Peter L. — (see Beige, Almut) A **62,** 052102
Knill, E. — (see Tseng, C. H.) A **62,** 032309
Knoll, L. — (see Krohn, S.) A **62,** 032713
Knöll, L. — (see Scheel, S.) A **62,** 043803
Knöll, Ludwig — (see Dung, Ho Trung) A **62,** 053804
Knudsen, H. — (see Kjeldsen, H.) A **62,** 020702(R)
_____ (see Vane, C. R.) A **62,** 010701(R)
Koashi, Masato, Vladimír Bužek, and Nobuyuki Imoto — Entangled webs: Tight bound for symmetric sharing of entanglement. A **62,** 050302(R)
_____ (see Yamashita, Makoto) A **62,** 033602
Koay, C. G. — (see Crescimanno, M.) A **62,** 063612
Kobayashi, Takayoshi — (see Hofmann, Holger F.) A **62,** 013806
_____ (see Hofmann, Holger F.) A **62,** 062304
Kobus, J., D. Moncrieff, and S. Wilson — Comparison of the electric moments obtained from finite basis set and finite-difference Hartree-Fock calculations for diatomic molecules. A **62,** 062503
Kochur, A. G. — (see Kanngießer, B.) A **62,** 014702(BR)
Kohn, W. — (see Fertig, H. A.) A **62,** 052511
Kok, Pieter and Samuel L. Braunstein — Limitations on the creation of maximal entanglement. A **62,** 064301(BR)
Kokoouline, V., O. Dulieu, R. Kosloff, and F. Masnou-Seeuws — Theoretical treatment of channel mixing in excited Rb_2 and Cs_2 ultracold molecules: Determination of predissociation lifetimes with coordinate mapping. A **62,** 032716
_____ **, O. Dulieu, and F. Masnou-Seeuws** — Theoretical treatment of channel mixing in excited Rb_2 and Cs_2 ultracold molecules: Perturbations in 0_u^+ photoassociation and fluorescence spectra. A **62,** 022504
Komara, R. A. — (see Jacobson, P. L.) A **62,** 012509
Kondratovich, V. — (see Beims, M. W.) A **62,** 043401
Kondratovich, Vladimir, John B. Delos, Neal Spellmeyer, and Daniel Kleppner — Classically forbidden recurrences in the photoabsorption spectrum of lithium. A **62,** 043409
Kong, Fan-Mei — (see Xu, Bo-Wei) A **62,** 022106
Koniorczyk, M., Z. Kurucz, A. Gábris, and J. Janszky — General optical state truncation and its teleportation. A **62,** 013802
Kono, Hirohiko — (see Kawata, Isao) A **62,** 031401(R)
Konotop, Vladimir V. and Víctor M. Pérez-García — Solutions of Gross-Pitaevskii equations beyond the hydrodynamic approximation: Application to the vortex problem. A **62,** 033610
Koperski, J. and M. Czajkowski — Spectroscopic characterization of the ZnNe van der Waals molecule in the $X0^+(4\,^1S_0)$ and $D1(4\,^1P_1)$ energy states. A **62,** 012505
Korn, G. — (see Trump, C.) A **62,** 063402
Koryukin, I. V. — (see Abraham, N. B.) A **62,** 013810
Kosak, A. — (see Gartner, B.) A **62,** 012501
Koseki, S. — (see Kita, S.) A **62,** 032704
Kosloff, R. — (see Kokoouline, V.) A **62,** 032716
Koštrun, Marijan, Matt Mackie, Robin Côté, and Juha Javanainen — Theory of coherent photoassociation of a Bose-Einstein condensate. A **62,** 063616
Kourogi, M. — (see Udem, Th.) A **62,** 031801(R)
Kowalczyk, P. — (see Jastrzebski, W.) A **62,** 042509
Kowalski, K. — (see Bieniak, B.) A **62,** 022720
Koyano, I. — (see Saito, N.) A **62,** 042503
Kozhekin, A. E., K. Mølmer, and E. Polzik — Quantum memory for light. A **62,** 033809
Kozlov, V. V. — (see Matsko, A. B.) A **62,** 033811
Kozyreff, G. — (see Shakhmuratov, R. N.) A **62,** 043405
Kraan, W. H. — (see Grigoriev, S. V.) A **62,** 063601
Kraenkel, R. A. — (see Abdullaev, F. Kh.) A **62,** 023613
Krainov, V. P. — (see Sukharev, M. E.) A **62,** 033404
Kraus, B. — (see Lewenstein, M.) A **62,** 052310
Krause, H. F. — (see Vane, C. R.) A **62,** 010701(R)
Křepelka, J. — (see Lukš, A.) A **62,** 033806
Kresin, V. V. — (see Kasperovich, V.) A **62,** 063201
Krikeb, Ali — (see Moszkowski, Steven) A **62,** 032504
Krishnamurthy, M. — (see Nugent-Glandorf, Lora) A **62,** 023812
Kristensen, B. — (see Kjeldsen, H.) A **62,** 020702(R)
Kristöfel, P. — (see Yoshida, S.) A **62,** 023408
Krivec, R., M. Ya. Amusia, and V. B. Mandelzweig — High-energy limit of the double-electron photoionization cross section of the helium atom. A **62,** 064701(BR)
Krohn, S., Z. Amitay, A. Baer, D. Zajfman, M. Lange, L. Knoll, J. Levin, D. Schwalm, R. Wester, and A. Wolf — Electron-induced vibrational deexcitation of H_2^+. A **62,** 032713
Krstić, P. S. — (see Jamieson, M. J.) A **62,** 069902(E)
Kuang, Le-Man — (see Hu, Bambi) A **62,** 023610
Kuba, Jaroslav, Annie Klisnick, David Ros, Paul Fourcade, Gérard Jamelot, Jean-Luc Miquel, Nathalie Blanchot, and Jean-François Wyart — Two-color transient pumping in Ni-like silver at 13.9 and 16.1 nm. A **62,** 043808
Kucal, H. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Kukk, E., J. D. Bozek, and N. Berrah — Photoexcitation and Auger decay of the Renner-Teller split C $1s^{-1}$ π_u^* state in CO_2. A **62,** 032708
_____ (see Cheng, W. T.) A **62,** 062509
Kuleff, Alexandar — (see Maruani, Jean) A **62,** 022511
Kulik, Sergei P. — (see Kim, Yoon-Ho) A **62,** 011802(R)
Kul'minskii, A. — Inverse problems of nonlinear dynamics of vector class-***A*** lasers with anisotropic Kerr-type material. A **62,** 023806
_____ **, R. Vilaseca, R. Corbalán, and N. Abraham** — Polarization states and coherent effects in a coherently pumped $J''=1\rightarrow J=0\rightarrow J'=1$ isotropic-cavity laser. A **62,** 033818
Kunc, Joseph A. — Single versus double ionization of multielectron atoms by electrons. A **62,** 062713
Kuppens, S. J. M., K. L. Corwin, K. W. Miller, T. E. Chupp, and C. E. Wieman — Loading an optical dipole trap. A **62,** 013406
Kupriyanov, D. V. — (see Bayram, S. B.) A **62,** 012503
Kurth, Stefan — (see Seidl, Michael) A **62,** 012502
Kurucz, Z. — (see Koniorczyk, M.) A **62,** 013802
Kusakabe, Toshio, Kensuke Asahina, Jiang P. Gu, Gerhard Hirsch, Robert J. Buenker, Mineo Kimura, Hiroyuki Tawara, and Yohta Nakai — Charge-transfer processes in collisions of H^+ ions with H_2, D_2, CO, and CO_2 molecules in the energy range 0.2–4.0 keV. A **62,** 062714
_____ **, Kensuke Asahina, Akira Iida, Yuji Tanaka, Yan Li, Gerhard Hirsch, Robert J. Buenker, Mineo Kimura, Hiroyuki Tawara, and Yohta Nakai** — Charge-transfer processes in collisions of slow H^+ ions with hydrocarbon molecules: CH_4, C_2H_2, C_2H_6, and C_3H_8. A **62,** 062715
Kutzner, M., J. A. Robertson, and P. Pelley — Relaxation and polarization effects in valence photodetachment of the negative chloride ion. A **62,** 062717

Kwek, L. C., Yong Liu, C. H. Oh, and Xiang-Bin Wang — Analytic expression for exact-ground-state energy based on an operator method for a class of anharmonic potentials. A **62,** 052107
_____ **, C. H. Oh, Xiang-Bin Wang, and Y. Yeo** — Bužek-Hillery cloning revisited using the bures metric and trace norm. A **62,** 052313
_____ (see Ge, Mo-Lin) A **62,** 052110
_____ (see Wang, Xiang-Bin) A **62,** 032105
Kwong, Victor H. S. — (see Fang, Z.) A **62,** 042709

Labazan, I. — (see Skenderović, H.) A **62,** 052707
Labelle, P. — (see Hoang, A. H.) A **62,** 012109
Laflamme, R. — (see Tseng, C. H.) A **62,** 032309
Lakshminarayan, Arul — Barnett-Pegg formalism of angle operators, revivals, and flux lines. A **62,** 042110
Lambrecht, Astrid — (see Genet, Cyriaque) A **62,** 012110
Lambropoulos, P. — (see Madsen, L. B.) A **62,** 062719
_____ (see Nikolopoulos, Georgios M.) A **62,** 059901
Landi, E. — (see Curdt, W.) A **62,** 022502
Lange, M. — (see Krohn, S.) A **62,** 032713
Lantschner, G. H. — (see Famá, M.) A **62,** 062901
Laricchia, G. — (see Moxom, J.) A **62,** 052708
La Rocca, G. C. — (see Carusotto, I.) A **62,** 063606
Larroche, O., D. Ros, A. Klisnick, A. Sureau, C. Möller, and H. Guennou — Maxwell-Bloch modeling of x-ray-laser-signal buildup in single- and double-pass configurations. A **62,** 043815
Larsen, M. C. — (see Boltalina, O. V.) A **62,** 023202
Larson, Å., N. Djurić, W. Zong, C. H. Greene, A. E. Orel, A. Al-Khalili, A. M. Derkatch, A. Le Padellec, A. Neau, S. Rosén, W. Shi, L. Vikor, H. Danared, M. af Ugglas, M. Larsson, and G. H. Dunn — Resonant ion-pair formation in electron collisions with HD^+ and OH^+. A **62,** 042707
Larsson, M. — (see Larson, Å.) A **62,** 042707
Larsson, M. O. — (see Boltalina, O. V.) A **62,** 023202
Last, Isidore and Joshua Jortner — Dynamics of the Coulomb explosion of large clusters in a strong laser field. A **62,** 013201
Laulhé, C. — (see Jacquet, E.) A **62,** 022712
Laura, Roberto — (see Castagnino, Mario) A **62,** 022107
Lauss, B. — (see Gartner, B.) A **62,** 012501
Lazzeretti, Paolo — (see Viglione, Rosario G.) A **62,** 052516
Leadbeater, M. L. — (see Foden, C. L.) A **62,** 011803(R)
Le Beyec, Y. — (see Hartman, J. W.) A **62,** 043202
Lebius, H. — (see Opitz, J.) A **62,** 022705
Le Blanc, C. — (see Toma, E. S.) A **62,** 061801(R)
Lecler, D. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
_____ (see Tanis, J. A.) A **62,** 032715
Le Coq, Y. — (see Boyer, V.) A **62,** 021601(R)
Lee, Chang-Woo, Kyungbum Kim, Jaewoo Noh, and Wonho Jhe — Quantum theory of amplified total internal reflection due to evanescent-mode coupling. A **62,** 053805
Lee, Da-Shin — (see Lin, Chi-Yong) A **62,** 055603(BR)
Lee, Dong Gun — (see Kim, Jung-Hoon) A **62,** 055402(BR)
Lee, E. H. — (see Chang, H. C.) A **62,** 013816
Lee, Ho Seong — (see Jun, Jin Woo) A **62,** 063407
Lee, Hwang, Yuri Rostovtsev, and Marlan O. Scully — Asymmetries between absorption and stimulated emission in driven three-level systems. A **62,** 063804
Lee, Hyukjae — (see Hwang, WonYoung) A **62,** 062305
Lee, Jae-Seung — (see Kim, Jaehyun) A **62,** 022312
Lee, Jinhyoung, M. S. Kim, and Hyunseok Jeong — Transfer of nonclassical features in quantum teleportation via a mixed quantum channel. A **62,** 032305
Lee, M. D. and C. W. Gardiner — Quantum kinetic theory. VI. The growth of a Bose-Einstein condensate. A **62,** 033606
Lee, M.-T., I. Iga, L. E. Machado, and L. M. Brescansin — Model absorption potential for electron-molecule scattering in the intermediate-energy range. A **62,** 062710
Lee, S. M. — (see Miura, T.) A **62,** 021201(R)
Lee, Soonchil — (see Kim, Jaehyun) A **62,** 022312
Lee, T. G. — (see Dhal, B. B.) A **62,** 022714
Lee, Tae-Yeon — Quantum phase of an electric dipole moving in a magnetic dipole field. A **62,** 064101(BR)
Leibfried, D. — (see Steane, A.) A **62,** 042305
Lein, M. — (see Trump, C.) A **62,** 063402
Lenis, D. — (see Bonatsos, Dennis) A **62,** 013203
Leo, P. J. — (see Gensemer, S. D.) A **62,** 030702(R)
Leone, Stephen R. — (see Nugent-Glandorf, Lora) A **62,** 023812
Leonhardt, U. and P. Piwnicki — Ultrahigh sensitivity of slow-light gyroscope. A **62,** 055801(BR)
Leonhardt, Ulf — Space-time geometry of quantum dielectrics. A **62,** 012111
Le Padellec, A. — (see Larson, Å.) A **62,** 042707
Lett, P. D. — (see Amelink, A.) A **62,** 013408
Leung, Debbie W. — (see Zhou, Xinlan) A **62,** 052316
Leung, K. T. — (see Fan, X. W.) A **62,** 062703
Levi, Filippo — (see Godone, Aldo) A **62,** 053402
Levin, Eugene — (see Stallcop, James R.) A **62,** 062709
Levin, J. — (see Krohn, S.) A **62,** 032713
Lewenstein, M., B. Kraus, J. I. Cirac, and P. Horodecki — Optimization of entanglement witnesses. A **62,** 052310
Lewenstein, Maciej — (see Felbinger, Timo) A **62,** 033603
_____ (see Horodecki, Paweł) A **62,** 032310
_____ (see Villain, Pierre) A **62,** 043601
_____ (see Wong, T.) A **62,** 033608
Leyva, I. — (see Encinas-Sanz, F.) A **62,** 043821
Li, Baiwen — (see Qiao, Haoxue) A **62,** 033401
Li, Bao-xing and Pei-lin Cao — Stable structures for Si_{20} clusters. A **62,** 023201
Li, C. — (see Yi, X. X.) A **62,** 013819
Li, Chuan-Feng — (see Zhang, Chuan-Wei) A **62,** 042302
Li, Fu-li and Shao-yan Gao — Controlling nonclassical properties of the Jaynes-Cummings model by an external coherent field. A **62,** 043809
Li, Jia-Ming — (see Xu, Ya-Qiong) A **62,** 022715
Li, X. G. — (see Bao, C. G.) A **62,** 025201(BR)
Li, Xiaofeng — (see Wang, Bingbing) A **62,** 063816
Li, Xiaoying — (see Zhang, Yun) A **62,** 023813
Li, Yan — (see Kusakabe, Toshio) A **62,** 062715
Li, Z. S., H. Lundberg, G. M. Wahlgren, and C. M. Sikström — Lifetime measurements in Ce I, Ce II, and Ce III using time-resolved laser spectroscopy with application to stellar abundance determinations of cerium. A **62,** 032505
Lien, Y. — (see van Druten, N. J.) A **62,** 053808
Ligabue, Andrea — (see Viglione, Rosario G.) A **62,** 052516
Lima, E. G., M. Chevrollier, O. Di Lorenzo, P. C. Segundo, and M. Oriá — Long-range atom-surface bound states. A **62,** 013410
Lin, C. D. — (see Amaya-Tapia, A.) A **62,** 052718
_____ (see Dhal, B. B.) A **62,** 022714
_____ (see Zhao, Z. X.) A **62,** 042706
Lin, Chi-Yong, E. J. V. de Passos, and Da-Shin Lee — Time-dependent variational analysis of Josephson oscillations in a two-component Bose-Einstein condensate. A **62,** 055603(BR)
Lin, Chun C. — (see Chilton, J. Ethan) A **62,** 032714
Lin, Sheng H. — (see Adhikari, Satrajit) A **62,** 032507
_____ (see Baer, Michael) A **62,** 032506
Lin, Shujie — (see Hands, Ian D.) A **62,** 023807
Lindgren, Ingvar — (see Beier, Thomas) A **62,** 032510
Lipson, R. H. — (see Hu, X. K.) A **62,** 052712
Lisak, D. — (see Bielski, A.) A **62,** 032511
Liu, Jie — (see Cheng, Taiwang) A **62,** 033402
Liu, L. — (see Hack, J.) A **62,** 013405
Liu, X. M., M. Hug, and G. J. Milburn — Sensitivity to measurement perturbation of single-atom dynamics in cavity QED. A **62,** 043801
Liu, Yaqing — (see Wang, Yingsong) A **62,** 063806

Liu, Yong — (see Ge, Mo-Lin) A **62,** 052110
_____ (see Kwek, L. C.) A **62,** 052107
Liu, Yun — (see Fischer, Ingo) A **62,** 011801(R)
Livingston, A. E. — (see Feili, D.) A **62,** 022501
Ljunggren, Daniel, Mohamed Bourennane, and Anders Karlsson — Authority-based user authentication in quantum key distribution. A **62,** 022305
Lloyd, Seth — Coherent quantum feedback. A **62,** 022108
_____ **and Jean-Jacques E. Slotine** — Quantum feedback with weak measurements. A **62,** 012307
_____ (see Tian, Lin) A **62,** 050301(R)
Lo, Hoi-Kwong — Classical-communication cost in distributed quantum-information processing: A generalization of quantum-communication complexity. A **62,** 012313
Long, Quan, Shuyu Zhou, Shanyu Zhou, and Yuzhu Wang — Dark region observed in fluorescence under the condition of a quadrupole magnetic field. A **62,** 023406
Long, R. — (see Maréchal, E.) A **62,** 053603
López, Gustavo E. — (see Vicéns, Marie C.) A **62,** 033203
López-Martens, R. B., T. W. Schmidt, and G. Roberts — ac Stark shifts in Rydberg NO levels induced by intense laser pulses. A **62,** 013414
López V., J. C. and A. Turbiner — One-electron linear systems in a strong magnetic field. A **62,** 022510
Loudon, Rodney — (see Barnett, Stephen M.) A **62,** 022313
Lower, J., A. Elliott, E. Weigold, S. Mazevet, and J. Berakdar — Dichroism in the electron-impact ionization of excited and oriented sodium atoms. A **62,** 012706
Lu, Hui Zhong — (see Bandrauk, André D.) A **62,** 053406
Lu, J., Z. Roller-Lutz, and H. O. Lutz — Classical trajectory Monte Carlo calculations of electron capture and ionization in collisions of multiply charged ions with elliptical Rydberg atoms. A **62,** 050701(R)
Lu, Qisheng — (see Zeng, Jiaolong) A **62,** 022713
Lu, Y. J. and Z. Y. Ou — Optical parametric oscillator far below threshold: Experiment versus theory. A **62,** 033804
Lucas, D. M. — (see Barton, P. A.) A **62,** 032503
Lüdde, H. J. — (see Kirchner, T.) A **62,** 042704
Ludeña, E. V. — (see Kanhere, D. G.) A **62,** 065201(BR)
_____ (see Karasiev, V. V.) A **62,** 062510
Lugiato, L. A. — (see Travagnin, M.) A **62,** 043813
Lugiato, Luigi — (see Zambrini, Roberta) A **62,** 063801
Luis, Alfredo — Quantum tomography of input-output processes. A **62,** 054302(BR)
Lukin, M. D. — (see Sautenkov, V. A.) A **62,** 023810
Lukš, A., V. Peřinová, and J. Křepelka — Continuous measurement of photon number with double registration of counts. A **62,** 033806
Luna, H. — (see Fregenal, D.) A **62,** 012703
Lundberg, H. — (see Li, Z. S.) A **62,** 032505
Lundeen, S. R. — (see Jacobson, P. L.) A **62,** 012509
Luo, H. — (see Chang, H. C.) A **62,** 013816
Lütkenhaus, Norbert — (see Dušek, Miloslav) A **62,** 022306
Lutterbach, L. G. — (see Nogues, G.) A **62,** 054101(BR)
Lutz, H. O. — (see Lu, J.) A **62,** 050701(R)
_____ (see Opitz, J.) A **62,** 022705
_____ (see Siegmann, B.) A **62,** 022718
Lyman, R. N. — (see Richardson, D. S.) A **62,** 012510
Lyons, B. J. — (see Jones, R. R.) A **62,** 033408

Ma, Long-Sheng — (see Hall, John L.) A **62,** 013815
Ma, X. — (see Feili, D.) A **62,** 022501
Maass, K. — (see Eder, H.) A **62,** 052901
Mabuchi, Hideo — (see Doherty, Andrew C.) A **62,** 012105
Macchiavello, C. — (see Bruss, D.) A **62,** 062302
Macchiavello, Chiara — (see Bruß, Dagmar) A **62,** 012302
Macek, J. H. — (see Tantawi, R. S.) A **62,** 042710
_____ (see Ward, S. J.) A **62,** 052715
Machado, L. E. — (see Lee, M.-T.) A **62,** 062710
Mack, Holger, Dietmar G. Fischer, and Matthias Freyberger — Enhanced quantum estimation via purification. A **62,** 042301
Mackie, Matt — (see Koštrun, Marijan) A **62,** 063616
Maddaloni, P. — (see Modugno, M.) A **62,** 063607
Madison, D. H. — (see Jones, S.) A **62,** 042701
Madsen, L. B., P. Schlagheck, and P. Lambropoulos — Laser-induced transitions between triply excited hollow states. A **62,** 062719
Maeda, H., M. Dammasch, U. Eichmann, W. Sandner, A. Becker, and F. H. M. Faisal — Strong-field multiple ionization of krypton. A **62,** 035402(BR)
Mahler, Günter — (see Otte, Alexander) A **62,** 012303
Maia Neto, Paulo A. and Diego A. R. Dalvit — Radiation pressure as a source of decoherence. A **62,** 042103
Majumder, P. K. — (see Richardson, D. S.) A **62,** 012510
Majumder, Sonjoy and B. P. Das — Relativistic magnetic quadrupole transitions in Be-like ions. A **62,** 042508
Manakov, N. L. — (see Taïeb, Richard) A **62,** 013402
Mancini, Stefano — (see Massini, Michol) A **62,** 041401(R)
Mandal, Puspajit — (see Kar, Sabyasachi) A **62,** 052514
Mandel, Paul — (see Shakhmuratov, R. N.) A **62,** 043405
Mandelbaum, P. — (see Doron, R.) A **62,** 052508
Mandelzweig, V. B. — (see Krivec, R.) A **62,** 064701(BR)
Man'ko, V., G. Marmo, A. Porzio, S. Solimeno, and F. Zaccaria — Trapped ions in laser fields: A benchmark for deformed quantum oscillators. A **62,** 053407
Mann, R. — (see Siegmann, B.) A **62,** 022718
Mannami, Michi-hiko — (see Susuki, Yasufumi) A **62,** 012902
Manson, S. T. — (see Zhou, H. L.) A **62,** 012707
Maosheng, Li, Ma Hongliang, Chen Miaohua, Lu Fuquan, Tang Jiayong, and Yang Fujia — Hyperfine-structure measurements in ^{141}Pr *II* and ^{143,145}Nd *II* by collinear laser-ion-beam spectroscopy. A **62,** 052504
Maquet, Alfred — (see Taïeb, Richard) A **62,** 013402
Marangos, J. P. — (see Hay, N.) A **62,** 041803(R)
Marcassa, L. G. — (see Bagnato, V. S.) A **62,** 013404
March, N. H. — (see Howard, I. A.) A **62,** 062512
Marcinek, Roman and Dominique Delande — Semiclassical photoionization cross section of the hydrogen atom in a magnetic field. A **62,** 062704
Maréchal, E., R. Long, T. Miossec, J.-L. Bossennec, R. Barbé, J.-C. Keller, and O. Gorceix — Atomic spatial coherence monitoring and engineering with magnetic fields. A **62,** 053603
Marin, F. — (see Prati, F.) A **62,** 033810
Marini, S. — (see Schlathölter, T.) A **62,** 042901
Marmo, G. — (see Man'ko, V.) A **62,** 053407
Marmo, S. I. — (see Taïeb, Richard) A **62,** 013402
Marques, J. P. — (see Mauron, O.) A **62,** 062508
Marquette, A., M. Gisselbrecht, W. Benten, and M. Meyer — Analysis of uv-visible fluorescence following inner-shell excitation of N_2 molecules. A **62,** 022513
Martijn de Sterke, C. — (see Talanina, I.) A **62,** 043802
Martin, S., L. Chen, A. Denis, R. Bredy, J. Bernard, and J. Désesquelles — Excitation and fragmentation of C_{60}^{r+} ($r=3-9$) in Xe^{30+}-C_{60} collisions. A **62,** 022707
Martín-Delgado, M. A. — (see Galindo, A.) A **62,** 062303
Martínez, H. — (see Amaya-Tapia, A.) A **62,** 052718
Martins, Ana M. — (see Mendonça, J. T.) A **62,** 033805
Marton, J. — (see Gartner, B.) A **62,** 012501
Maruani, Jean, Svetla Drenska, Alexandar Kuleff, Peter Raychev, and Peter Terziev — Supershell quantization of staggering patterns in the rotational bands of the iodine molecule. A **62,** 022511
Marx, R., A. F. Fahmy, John M. Myers, W. Bermel, and S. J. Glaser — Approaching five-bit NMR quantum computing. A **62,** 012310
Marzlin, Karl-Peter, Weiping Zhang, and Barry C. Sanders — Creation of skyrmions in a spinor Bose-Einstein condensate. A **62,** 013602

Masili, Mauro and Anthony F. Starace — Two-photon detachment cross sections and dynamic polarizability of H^- using a variationally stable, coupled-channel hyperspherical approach. A **62,** 033403
_____ (see De Groote, J. J.) A **62,** 032508
Masnou-Seeuws, F. — (see Kokoouline, V.) A **62,** 022504
_____ (see Kokoouline, V.) A **62,** 032716
Mason, M. B. — (see Hay, N.) A **62,** 041803(R)
Massar, S. — Collective versus local measurements on two parallel or antiparallel spins. A **62,** 040101(R)
Massini, Michol, Mauro Fortunato, Stefano Mancini, and Paolo Tombesi — Synthesis and characterization of entangled mesoscopic superpositions for a trapped electron. A **62,** 041401(R)
Maté, Belén — (see Escribano, Rafael) A **62,** 023407
Matila, T. — (see Alitalo, S.) A **62,** 032710
_____ (see Ellingsen, K.) A **62,** 032502
Matloob, Reza — Radiative properties of an atom in the vicinity of a mirror. A **62,** 022113
Matsko, A. B. and V. V. Kozlov — Second-quantized models for optical solitons in nonlinear fibers: Equal-time versus equal-space commutation relations. A **62,** 033811
_____ (see Fleischhauer, M.) A **62,** 013808
Matulioniene, R. — (see Curtis, L. J.) A **62,** 052513
Matxain, Jon M., Joseph E. Fowler, and Jesus M. Ugalde — Small clusters of II-VI materials: $\mathbf{Zn}_i\mathbf{O}_i$, $i=1-9$. A **62,** 053201
Matzkin, A., Ch. Jungen, and S. C. Ross — Multichannel-quantum-defect-theory treatment of preionized and predissociated triplet gerade levels of $\mathbf{H}_2$. A **62,** 062511
Mauro D'Ariano, G., Matteo G. A. Paris, and Massimiliano F. Sacchi — Parameter estimation in quantum optics. A **62,** 023815
_____ (see Bruß, Dagmar) A **62,** 012302
Mauron, O., J.-Cl. Dousse, J. Hoszowska, J. P. Marques, F. Parente, and M. Polasik — L-shell shake processes resulting from $1s$ photoionization in elements $11 \leqslant Z \leqslant 17$. A **62,** 062508
Mazevet, S. — (see Lower, J.) A **62,** 012706
Mazziotti, David A. and Dudley R. Herschbach — Boson correlation energies and density matrices from reduced Hamiltonian interpolation. A **62,** 043603
McCurdy, C. W. and T. N. Rescigno — Practical calculations of quantum breakup cross sections. A **62,** 032712
_____ (see Rescigno, T. N.) A **62,** 032706
McGloin, D., M. H. Dunn, and D. J. Fulton — Polarization effects in electromagnetically induced transparency. A **62,** 053802
McGuire, J. H., S. Itza-Ortiz, A. L. Godunov, D. L. Ederer, J. Wang, and J. Burgdörfer — Exclusive and inclusive cross sections for Compton scattering from H^- and He. A **62,** 012702
_____ (see Tolmanov, S. G.) A **62,** 032711
Meech, Stephen R. — (see Hands, Ian D.) A **62,** 023807
Mégret, P. — (see Rogister, F.) A **62,** 061803(R)
Mehlstäubler, T. E. — (see Grossman, J. M.) A **62,** 052507
Meiss, H. — (see Flesch, R.) A **62,** 052723
Melnikov, Kirill — (see Czarnecki, Andrzej) A **62,** 059902(E)
Menchini, Carlo — (see Cerboneschi, Elena) A **62,** 013606
Mendham, K. J. — (see Hay, N.) A **62,** 041803(R)
Mendonça, J. T., A. Guerreiro, and Ana M. Martins — Quantum theory of time refraction. A **62,** 033805
Mercouris, Theodoros — (see Dionissopoulou, Stavroula) A **62,** 039901(E)
Mertens, A. — (see Eder, H.) A **62,** 052901
Metcalf, H. — (see Hack, J.) A **62,** 013405
Meyer, M. — (see Marquette, A.) A **62,** 022513
Meystre, P. — (see Prataviera, G. A.) A **62,** 023605
Meystre, Pierre — (see Pötting, Sierk) A **62,** 060101(R)
Miaohua, Chen — (see Maosheng, Li) A **62,** 052504
Micalizio, Salvatore — (see Godone, Aldo) A **62,** 053402
Micha, David A. — (see Runge, Keith) A **62,** 022703
Midorikawa, Katsumi — (see Shon, Nguyen Hong) A **62,** 023801
_____ (see Tamaki, Yusuke) A **62,** 063802
Mies, Frederick H. and Maurice Raoult — Analysis of threshold effects in ultracold atomic collisions. A **62,** 012708
Migdall, A. L. — (see Branning, D.) A **62,** 063808
Mikhailov, E. — (see Sautenkov, V. A.) A **62,** 023810
Milburn, G. J. — (see Cochrane, P. T.) A **62,** 062307
_____ (see Foden, C. L.) A **62,** 011803(R)
_____ (see Liu, X. M.) A **62,** 043801
_____ (see Munro, W. J.) A **62,** 052108
Miller, K. W. — (see Kuppens, S. J. M.) A **62,** 013406
Millet, P. — (see Sewraj, N.) A **62,** 052721
Milman, P. — (see Solano, E.) A **62,** 021401(R)
Milonni, Peter W. — (see Segev, Bilha) A **62,** 022114
Miloševi ć, Dejan B. and Wilhelm Becker — Attosecond pulse trains with unusual nonlinear polarization. A **62,** 011403(R)
Miloševi ć, S. — (see Skenderović, H.) A **62,** 052707
Minardi, F. — (see Artoni, M.) A **62,** 023402
_____ (see Modugno, M.) A **62,** 063607
Minguzzi, Anna, Patrizia Vignolo, and Mario P. Tosi — Momentum distribution of an interacting Bose-Einstein condensed gas at finite temperature. A **62,** 023604
Minogin, V. G. — (see Garraway, B. M.) A **62,** 043406
Miossec, T. — (see Maréchal, E.) A **62,** 053603
Miquel, Jean-Luc — (see Kuba, Jaroslav) A **62,** 043808
Miraglia, J. E. — (see Arbó, D. G.) A **62,** 032901
_____ (see Montanari, C. C.) A **62,** 052902
Miranda, S. G. — (see Bagnato, V. S.) A **62,** 013404
Miron, C. — (see Sałęk, P.) A **62,** 062506
Mišta, L., Jr. — (see Řeháček, J.) A **62,** 013804
Mitchell, J. B. A. — (see Hu, X. K.) A **62,** 052712
Mitchell, M. W., Cindy I. Hancox, and R. Y. Chiao — Dynamics of atom-mediated photon-photon scattering. A **62,** 043819
Mitin, Alexander V. — Exact solution of the Hartree-Fock equation for the H_2 molecule in the linear-combination-of-atomic-orbitals approximation. A **62,** 010501(R)
Mitnik, D. — (see Pindzola, M. S.) A **62,** 062718
Mitnik, D. M., M. S. Pindzola, and D. C. Griffin — Influence of atomic radiative and collisional processes on the plasma modeling of Mg^{10+} at low electron densities. A **62,** 062711
Mitra, Sanchita — (see Bhattacharyya, Sujata) A **62,** 032709
Mitsunaga, Masaharu, Makoto Yamashita, and Hironobu Inoue — Absorption imaging of electromagnetically induced transparency in cold sodium atoms. A **62,** 013817
_____ (see Yamashita, Makoto) A **62,** 033602
Miura, T., I. Arai, M. Imanaka, H. Sasaki, S. Tomita, and S. M. Lee — Anomalously strong screening effect in collisions between noble-gas ions and carbon in C_{60}. A **62,** 021201(R)
Miyakawa, T., T. Suzuki, and H. Yabu — Sum-rule approach to collective oscillations of a boson-fermion mixed condensate of alkali-metal atoms. A **62,** 063613
Miyoshi, Eisaku — (see Osanai, You) A **62,** 052518
Mizrahi, S. S. — (see de Oliveira, M. C.) A **62,** 012108
Mizumoto, Yoshihiko — (see Kayanuma, Yosuke) A **62,** 061401(R)
Modugno, Giovanni and Michele Modugno — Testing the symmetrization postulate on molecules with three identical nuclei. A **62,** 022115
Modugno, M., F. Dalfovo, C. Fort, P. Maddaloni, and F. Minardi — Dynamics of two colliding Bose-Einstein condensates in an elongated magnetostatic trap. A **62,** 063607
Modugno, Michele — (see Modugno, Giovanni) A **62,** 022115
Mohideen, U. — (see Harris, B. W.) A **62,** 052109
Mohr, Peter J. and J. Sapirstein — Evaluation of two-photon exchange graphs for excited states of highly charged heliumlike ions. A **62,** 052501
Mohring, Bernd — (see Pötting, Sierk) A **62,** 060101(R)
Mokler, P. H. — (see Feili, D.) A **62,** 022501
Mølhave, K. and M. Drewsen — Formation of translationally cold MgH^+ and MgD^+ molecules in an ion trap. A **62,** 011401(R)
Möller, C. — (see Larroche, O.) A **62,** 043815
Mølmer, K. — (see Kozhekin, A. E.) A **62,** 033809
Mølmer, Klaus — (see Sørensen, Anders) A **62,** 022311

Moncrieff, D. — (see Kobus, J.) A **62,** 062503
Monroe, C. — (see Turchette, Q. A.) A **62,** 053807
Montanari, C. C., J. E. Miraglia, and N. R. Arista — Suppression of projectile-electron excitations in collisions with a free-electron gas of metals. A **62,** 052902
Montemezzani, Germano — Optimization of photorefractive two-wave mixing by accounting for material anisotropies: $KNbO_3$ and $BaTiO_3$. A **62,** 053803
Montes, F. A. and Min Xiao — Three-level atoms inside a degenerate optical parametric oscillator: Steady-state behaviors. A **62,** 023818
Mor, Tal — (see Vrijen, Rutger) A **62,** 012306
Moretto Capelle, P. — (see Opitz, J.) A **62,** 022705
Morgan, T. J. — (see Jensen, R. V.) A **62,** 053410
Morgenstern, R. — (see Schlathölter, T.) A **62,** 042901
Morigi, G. and G. S. Agarwal — Temperature variation of ultraslow light in a cold gas. A **62,** 013801
Morrow, N. V. — (see Dutta, S. K.) A **62,** 035401(BR)
Mostepanenko, V. M. — (see Bezerra, V. B.) A **62,** 014102(BR)
Moszkowski, Steven, Sonia Fleck, Ali Krikeb, Lukas Theußl, Jean-Marc Richard, and Kálmán Varga — Binding three or four bosons without bound subsystems. A **62,** 032504
Mottelson, B. — (see Kavoulakis, G. M.) A **62,** 063605
Moussa, M. H. Y. — (see de Almeida, N. G.) A **62,** 010101(R)
_____ (see de Almeida, N. G.) A **62,** 033815
_____ (see de Oliveira, M. C.) A **62,** 012108
_____ (see Serra, R. M.) A **62,** 043810
Moxom, J., D. M. Schrader, G. Laricchia, J. Xu, and L. D. Hulett — Ionization and fragmentation of CCl_2F_2, $CClF_3$, CF_4, and CHF_3 by positron impact. A **62,** 052708
Msezane, A. Z. — (see Avdonina, N. B.) A **62,** 014703(BR)
_____ (see Vrinceanu, D.) A **62,** 022719
Mudrich, M. — (see Engler, H.) A **62,** 031402(R)
Mueller, Erich J. and Gordon Baym — Finite-temperature collapse of a Bose gas with attractive interactions. A **62,** 053605
Muga, J. G. and M. Büttiker — Time dependence of evanescent quantum waves. A **62,** 023808
_____ (see Egusquiza, I. L.) A **62,** 032103
Mühlbauer, M. — (see Gartner, B.) A **62,** 012501
Mühleisen, A. — (see Pelicon, P.) A **62,** 022704
Mukai, Tetsuya — (see Yamashita, Makoto) A **62,** 033602
Mukherjee, S. C. — (see Sahoo, S.) A **62,** 022716
Mulder, F. M. — (see Grigoriev, S. V.) A **62,** 063601
Mulhauser, F. — (see Gartner, B.) A **62,** 012501
Müller, A., H. Teng, G. Hofmann, R. A. Phaneuf, and E. Salzborn — Autoionizing resonances in electron-impact ionization of O^{5+} ions. A **62,** 062720
_____ (see Schippers, S.) A **62,** 022708
Müller, C. — (see Voitkiv, A. B.) A **62,** 062701
Muller, H. G. — (see Toma, E. S.) A **62,** 061801(R)
Müller, M., F. Homann, R.-H. Rinkleff, A. Wicht, and K. Danzmann — Parametric dispersion in electromagnetically induced transparency. A **62,** 060501(R)
Mullot, G. — (see Toma, E. S.) A **62,** 061801(R)
Mundt, A. — (see Steane, A.) A **62,** 042305
Muniz, S. R. — (see Bagnato, V. S.) A **62,** 013404
Munro, W. J., G. J. Milburn, and B. C. Sanders — Entangled coherent-state qubits in an ion trap. A **62,** 052108
_____ (see Cochrane, P. T.) A **62,** 062307
_____ (see Deuar, P.) A **62,** 042304
_____ (see Pope, D. T.) A **62,** 042108
Munro, William J. — (see Beige, Almut) A **62,** 052102
Muradyan, A. Zh. and H. L. Haroutyunyan — Momentum transfer for an optical transition in a prepared two-level atom. A **62,** 013401
Murdoch, S. — (see Boyer, V.) A **62,** 021601(R)
Müstecaplıoğlu, Özgür — (see Wong, T.) A **62,** 033608
Müstecaplioğlu, Özgür E. and L. You — Superradiant light scattering from trapped Bose-Einstein condensates. A **62,** 063615
Muthig, A. — (see Fregenal, D.) A **62,** 012703
Muthukrishnan, Ashok and C. R. Stroud, Jr. — Multivalued logic gates for quantum computation. A **62,** 052309
Myatt, C. J. — (see Turchette, Q. A.) A **62,** 053807
Myers, John M. — (see Marx, R.) A **62,** 012310

Na, M. H. — (see Chang, H. C.) A **62,** 013816
Nadyak, R. — (see Jastrzebski, W.) A **62,** 042509
Nagano, R., K. Yabana, T. Tazawa, and Y. Abe — Time-dependent mean-field description for multiple charge-transfer processes in Ar^{8+}-Ar collisions. A **62,** 062721
Nagaoka, S. — (see Saito, N.) A **62,** 042503
Nagatani, Yukinori and Kei Shigetomi — Effective theoretical approach to back reaction of the dynamical Casimir effect in $1+1$ dimensions. A **62,** 022117
Nakai, Yohta — (see Kusakabe, Toshio) A **62,** 062714
_____ (see Kusakabe, Toshio) A **62,** 062715
Nakajima, Kaoru — (see Kimura, Kenji) A **62,** 062902
Nakamura, Etsuko — (see Aoki, Ken-Ichi) A **62,** 022101
Nakamura, Kazuo — (see Nambu, Yoshihiro) A **62,** 012312
Nakazaki, S. — (see Igarashi, A.) A **62,** 052722
Nam, Chang Hee — (see Kim, Jung-Hoon) A **62,** 055402(BR)
Nambu, Yoshihiro, Akihisa Tomita, Yoshie Chiba-Kohno, and Kazuo Nakamura — Quantum key distribution using two coherent states of light and their superposition. A **62,** 012312
Napolitano, R. — (see de Almeida, N. G.) A **62,** 010101(R)
_____ (see de Almeida, N. G.) A **62,** 033815
Narayan, Onuttom — Spin precession and energy conservation. A **62,** 042101
Narayanan, Andal and Hema Ramachandran — Density-matrix approach to a strongly coupled two-component Bose-Einstein condensate. A **62,** 055602(BR)
Närmann, A. — (see Schlathölter, T.) A **62,** 042901
Nath, B. and C. Sinha — Triple differential cross sections for ionization of some heliumlike ions by electron impact. A **62,** 052713
Nave, Gillian — (see Dzierżęga, Krzysztof) A **62,** 022505
Neau, A. — (see Djurić, N.) A **62,** 032702
_____ (see Larson, Å.) A **62,** 042707
Nelson, J. S. — (see Cancio, Antonio C.) A **62,** 062507
Nesbet, R. K. — Bound-free correlation in electron scattering by atoms and molecules. A **62,** 040701(R)
Nesnidal, Renée C. and Thad G. Walker — Light-induced ultracold spin-exchange collisions. A **62,** 030701(R)
Newbury, A. S., B. M. Jelenković, J. J. Bollinger, and D. J. Wineland — Simulation of a method for forming a laser-cooled positron plasma. A **62,** 023405
Nguyen-Dang, T. T. — (see Talebpour, A.) A **62,** 042708
_____ (see Vijayalakshmi, K.) A **62,** 053408
Nha, Hyunchul, Young-Tak Chough, and Kyungwon An — Resonance fluorescence of a two-level atom in a colored vacuum. A **62,** 021801(R)
Nicolaides, Cleanthes A. — (see Dionissopoulou, Stavroula) A **62,** 039901(E)
Niehaus, A. — (see Opitz, J.) A **62,** 022705
Nielsen, M. A. — Probability distributions consistent with a mixed state. A **62,** 052308
_____ (see Vidal, Guifré) A **62,** 012304
Nienhuis, G. — (see Dutra, S. M.) A **62,** 063805
Nieto-Vesperinas, M. — (see Carminati, R.) A **62,** 012712
Nikolopoulos, Georgios M. and P. Lambropoulos — Erratum: Beyond single-photon localization at the edge of a photonic band gap [Phys. Rev. A **61**, 53812 (2000)]. A **62,** 059901
Nikolov, A. N. — (see Wang, H.) A **62,** 052704
Noel, Michael W., W. M. Griffith, and T. F. Gallagher — Classical subharmonic resonances in microwave ionization of lithium Rydberg atoms. A **62,** 063401
Nogami, Y. — (see Coutinho, F. A. B.) A **62,** 016102(C)

Nogues, G., A. Rauschenbeutel, S. Osnaghi, P. Bertet, M. Brune, J. M. Raimond, S. Haroche, L. G. Lutterbach, and L. Davidovich — Measurement of a negative value for the Wigner function of radiation. A **62,** 054101(BR)
Noh, Jaewoo — (see Lee, Chang-Woo) A **62,** 053805
Noordam, L. D. — (see Robicheaux, F.) A **62,** 043404
_____ (see Warntjes, J. B. M.) A **62,** 033407
Nordlander, P. — (see Gu, J. P.) A **62,** 052720
Noro, Takeshi — (see Osanai, You) A **62,** 052518
Nörtershäuser, W., B. A. Bushaw, and K. Blaum — Double-resonance measurements of isotope shifts and hyperfine structure in Gd I with hyperfine-state selection in an intermediate level. A **62,** 022506
Novikova, I. — (see Sautenkov, V. A.) A **62,** 023810
Nugent-Glandorf, Lora, Michael Scheer, M. Krishnamurthy, Jennifer W. Odom, and Stephen R. Leone — Photoelectron spectroscopic determination of the energy bandwidths of high-order harmonics (7th–55th) produced by an ultrafast laser in neon. A **62,** 023812
Nussenzveig, H. M. — Average dwell time and tunneling. A **62,** 042107
Nußmann, Stefan — (see Erhard, Michael) A **62,** 061802(R)

Obara, Minoru — (see Tamaki, Yusuke) A **62,** 063802
Ober, Raimund J. — (see Ramakrishna, Viswanath) A **62,** 053409
Oberthaler, M. K. — (see Bernet, S.) A **62,** 023606
_____ (see Godun, R. M.) A **62,** 013411
Obst, B. — (see von dem Borne, A.) A **62,** 052703
Odeurs, J. — (see Shakhmuratov, R. N.) A **62,** 043405
Odom, Jennifer W. — (see Nugent-Glandorf, Lora) A **62,** 023812
Oemrawsingh, S. S. R. — (see van Druten, N. J.) A **62,** 053808
Oh, C. H. — (see Ge, Mo-Lin) A **62,** 052110
_____ (see Kwek, L. C.) A **62,** 052107
_____ (see Kwek, L. C.) A **62,** 052313
_____ (see Wang, Xiang-Bin) A **62,** 032105
Oh, J. H., D. Ahn, and S. W. Hwang — Optically driven qubits in artificial molecules. A **62,** 052306
Ohashi, H. — (see Saito, N.) A **62,** 042503
Ohba, Ichiro — (see Hara, Koh'ichiro) A **62,** 032104
Öhrn, Y. — (see Cabrera-Trujillo, R.) A **62,** 052714
Ohsaki, A. — (see Igarashi, A.) A **62,** 052722
Ohshima, Toshio — All-optical electron spin quantum computer with ancilla bits for operations in each coupled-dot cell. A **62,** 062316
Ohtani, Shunsuke — (see Tong, Xiao-Min) A **62,** 052701
Okada, K. — (see Saito, N.) A **62,** 042503
Okumura, H. — (see Saito, N.) A **62,** 042503
Olivera, G. H. — (see Galassi, M. E.) A **62,** 022701
Olsen, M. K., L. I. Plimak, M. J. Collett, and D. F. Walls — Quantum-nondemolition criteria in traveling-wave second-harmonic generation. A **62,** 023802
Olshanii, M., N. Dekker, C. Herzog, and M. Prentiss — de Broglie wave-front engineering. A **62,** 033612
_____ (see Hack, J.) A **62,** 013405
Olshanii, Maxim — (see Storey, Pippa) A **62,** 033604
Olson, R. E. — (see DuBois, R. D.) A **62,** 060701(R)
O'Mahony, P. F. — (see Chocian, P.) A **62,** 014704(BR)
Opatrný, T. — (see Fiurášek, J.) A **62,** 063811
_____ (see Scheel, S.) A **62,** 043803
Opatrný, Tomáš — (see Clausen, Jens) A **62,** 042308
Opitz, J., H. Lebius, S. Tomita, B. A. Huber, P. Moretto Capelle, D. Bordenave Montesquieu, A. Bordenave Montesquieu, A. Reinköster, U. Werner, H. O. Lutz, A. Niehaus, M. Benndorf, K. Haghighat, H. T. Schmidt, and H. Cederquist — Electronic excitation in H^+-C_{60} collisions: Evaporation and ionization. A **62,** 022705
Ordonez, G. — (see Karpov, E.) A **62,** 012103
_____ (see Petrosky, T.) A **62,** 042106
Oref, I. — (see Bernshtein, V.) A **62,** 033201
Oreg, J. — (see Behar, E.) A **62,** 030501(R)
Orel, A. E. — Time-dependent wave-packet study of the direct low-energy dissociative recombination of HD^+. A **62,** 020701(R)
_____ (see Carata, L.) A **62,** 052711
_____ (see Larson, Å.) A **62,** 042707
Orenstien, Meir — (see Zoubi, Hashem) A **62,** 033801
Oriá, M. — (see Lima, E. G.) A **62,** 013410
Orisch, A. — (see Tarasevitch, A.) A **62,** 023816
Orozco, L. A. — (see Grossman, J. M.) A **62,** 052507
_____ (see Grossman, J. M.) A **62,** 062502
Ortigoso, Félix — (see Escribano, Rafael) A **62,** 023407
Ortigoso, Juan — (see Escribano, Rafael) A **62,** 023407
Osanai, You, Takeshi Noro, and Eisaku Miyoshi — Configuration-interaction study of differential correlation energies in Ca^+, Ca, and Ca^-. A **62,** 052518
Osnaghi, S. — (see Nogues, G.) A **62,** 054101(BR)
Osterheld, A. L. — (see Smith, A. J.) A **62,** 012704
Otte, Alexander and Günter Mahler — Adapted-operator representations: Selective versus collective properties of quantum networks. A **62,** 012303
Ou, Z. Y. — (see Lu, Y. J.) A **62,** 033804
_____ (see Pereira, S. F.) A **62,** 042311
Ovchinnikov, S. Yu. — (see Tantawi, R. S.) A **62,** 042710
Ozawa, Masanao — Measurements of nondegenerate discrete observables. A **62,** 062101

Pachos, Jiannis and Spiros Chountasis — Optical holonomic quantum computer. A **62,** 052318
Pakarinen, O. H. and K.-A. Suominen — Atomic dynamics in evaporative cooling of trapped alkali-metal atoms in strong magnetic fields. A **62,** 025402(BR)
Palmeri, Patrick — (see Biémont, Emile) A **62,** 032512
Papadopoulos, P. — (see Eisert, J.) A **62,** 052317
Parente, F. — (see Mauron, O.) A **62,** 062508
Parente, Fernando — (see Kim, Yong-Ki) A **62,** 052710
Paris, Matteo G. A. — Optical qubit by conditional interferometry. A **62,** 033813
_____ (see Mauro D'Ariano, G.) A **62,** 023815
Parthasarathy, R. — (see Hill, S. B.) A **62,** 015403(BR)
Partridge, Harry — (see Stallcop, James R.) A **62,** 062709
Pascale, J. — (see Bazin, V.) A **62,** 052706
_____ (see Jacquet, E.) A **62,** 022712
Pascazio, S. — (see Facchi, P.) A **62,** 023804
_____ (see Řeháček, J.) A **62,** 013804
Pashov, A. — (see Jastrzebski, W.) A **62,** 042509
Paterson, D. — (see Chantler, C. T.) A **62,** 042501
Patil, S. H. — Boundary-condition-determined wave functions for H_2^+ and its isoelectronic ions. A **62,** 052515
Paul, P. M. — (see Toma, E. S.) A **62,** 061801(R)
Paul, Prabasaj and Bill Sutherland — Interacting one-dimensional Bose gas: Beyond Bogolyubov. A **62,** 055601(BR)
Pautrat, M. — (see Hartman, J. W.) A **62,** 043202
Pearson, M. R. — (see Grossman, J. M.) A **62,** 052507
_____ (see Grossman, J. M.) A **62,** 062502
Pedersen, H. B. — (see Bhushan, K. G.) A **62,** 012504
_____ (see Safvan, C. P.) A **62,** 019901(E)
Pegg, David J. — (see Andersson, Karin T.) A **62,** 022503
Pegg, David T. — (see Barnett, Stephen M.) A **62,** 022313
Pelicon, P., I. Čadež, M. Žitnik, Ž. Šmit, S. Dolenc, A. Mühleisen, and R. I. Hall — Formation of the hollow $1s^{o1}S$ state of Ne^{2+} by electron impact: Observation by means of an Auger hypersatellite. A **62,** 022704
Pelley, P. — (see Kutzner, M.) A **62,** 062717
Pelster, A. — (see Bachmann, M.) A **62,** 052509
Peng, Kunchi — (see Zhang, Jing) A **62,** 064302(BR)
_____ (see Zhang, Yun) A **62,** 023813
Pen'kov, F. M. — Metastable states of a coupled pair on a repulsive barrier. A **62,** 044701(BR)
Pepper, M. — (see Foden, C. L.) A **62,** 011803(R)

Perdew, John P. — (see Seidl, Michael) A **62,** 012502
Pereira, S. F., Z. Y. Ou, and H. J. Kimble — Quantum communication with correlated nonclassical states. A **62,** 042311
_____ **, M. P. van Exter, and J. P. Woerdman** — Triplet structure in the spontaneous-emission spectrum of two coupled vertical-cavity semiconductor lasers. A **62,** 043811
Pérez-García, Víctor M. and Juan J. García-Ripoll — Two-mode theory of vortex stability in multicomponent Bose-Einstein condensates. A **62,** 033601
_____ (see Konotop, Vladimir V.) A **62,** 033610
Peřina, J. — (see Reháček, J.) A **62,** 013804
Peřina, Jan — (see Fiurášek, Jaromír) A **62,** 033808
Peřinová, V. — (see Lukš, A.) A **62,** 033806
Persson, Hans — (see Beier, Thomas) A **62,** 032510
Peterson, R. — (see Crescimanno, M.) A **62,** 063612
Pethick, C. J. and L. P. Pitaevskii — Criterion for Bose-Einstein condensation for particles in traps. A **62,** 033609
_____ (see Kavoulakis, G. M.) A **62,** 063605
Petitjean, C. — (see Gartner, B.) A **62,** 012501
Petrosky, T., G. Ordonez, and I. Prigogine — Quantum transitions and nonlocality. A **62,** 042106
_____ (see Karpov, E.) A **62,** 012103
Petrosyan, K. G. — (see Kheruntsyan, K. V.) A **62,** 015801(BR)
Petrou, A. — (see Chang, H. C.) A **62,** 013816
Petrov, D. S. — (see Baranov, M. A.) A **62,** 041601(R)
Phaneuf, R. A. — (see Müller, A.) A **62,** 062720
_____ (see Schippers, S.) A **62,** 022708
Phillips, D. F. — (see Humphrey, M. A.) A **62,** 063405
Piancastelli, M. N. — (see Sałek, P.) A **62,** 062506
Pichler, G. — (see Skenderović, H.) A **62,** 052707
Pikuz, T. A. — (see Doron, R.) A **62,** 052508
Pinard, M. — (see Vernac, L.) A **62,** 063812
Pindzola, M. S. — Ion-ion collision dynamics in two-dimensional Cartesian space. A **62,** 032707
_____ **, J. Colgan, F. Robicheaux, and D. C. Griffin** — Time-dependent close-coupling calculations for the electron-impact ionization of carbon and neon. A **62,** 042705
_____ **, D. Mitnik, and F. Robicheaux** — *T*-matrix calculations for the electron-impact ionization of hydrogen in the Temkin-Poet model. A **62,** 062718
_____ (see Feder, D. L.) A **62,** 053606
_____ (see Mitnik, D. M.) A **62,** 062711
Piperno, Francesco — (see Plastina, Francesco) A **62,** 053801
Pitaevskii, L. P. — (see Pethick, C. J.) A **62,** 033609
Pittenger, Arthur O. and Morton H. Rubin — Separability and Fourier representations of density matrices. A **62,** 032313
_____ **and Morton H. Rubin** — Complete separability and Fourier representations of *n*-qubit states. A **62,** 042306
Piwnicki, P. — (see Leonhardt, U.) A **62,** 055801(BR)
Plastina, Francesco and Francesco Piperno — Suppression of decay via magnetic coherence in a V-type three-level system. A **62,** 053801
Plenge, J. — (see Flesch, R.) A **62,** 052723
Plenio, M. B. — Equivalent classes of closed three-level systems. A **62,** 015802(BR)
_____ (see Eisert, J.) A **62,** 052317
_____ (see Huelga, S. F.) A **62,** 052111
_____ (see Jonathan, D.) A **62,** 042307
Plimak, L. I. — (see Olsen, M. K.) A **62,** 023802
Plunien, G. — (see Artemyev, A. N.) A **62,** 022116
Poizat, Jean-Philippe — (see Brouri, Rosa) A **62,** 063817
Pokrant, S. — Evidence for adiabatic magnetization of cold Dy_N Clusters. A **62,** 051201(R)
Polášek, Martin — (see Ingr, Marek) A **62,** 032703
Polasik, M. — (see Mauron, O.) A **62,** 062508
Polozkov, Roman G. — (see Gerchikov, Leonid G.) A **62,** 043201
Polzik, E. — (see Kozhekin, A. E.) A **62,** 033809
Pope, D. T., P. D. Drummond, and W. J. Munro — Disagreement between correlations of quantum mechanics and stochastic electrodynamics in the damped parametric oscillator. A **62,** 042108
Popov, A. K. and Alexander S. Bayev — Enhanced four-wave mixing via elimination of inhomogeneous broadening by coherent driving of quantum transitions with control fields. A **62,** 025801(BR)
Popov, Alexander K. and Alexander S. Bayev — Erratum: Enhanced four-wave mixing via elimination of inhomogeneous broadening by coherent driving of quantum transitions with control fields [Phys. Rev. A **62**, 025801 (2000)]. A **62,** 069901(E)
Popov, Yu. V. and L. U. Ancarani — Rigorous mathematical study of the He bound states. A **62,** 042702
Porzio, A. — (see Man'ko, V.) A **62,** 053407
Pötting, Sierk, Eun Seong Lee, William Schmitt, Ilya Rumyantsev, Bernd Mohring, and Pierre Meystre — Quantum coherence and interaction-free measurements. A **62,** 060101(R)
Potvliege, R. M. — Disappearance of the dressed bound states in photodetachment from a short-range potential by an intense high-frequency laser field. A **62,** 013403
Prataviera, G. A., J. Zapata, and P. Meystre — Higher-order mutual coherence of optical and matter waves. A **62,** 023605
Prati, F., L. Fratta, and M. Travagnin — Band model for light-polarization selection in unstrained quantum-well vertical-cavity surface-emitting lasers. A **62,** 033819
_____ **, G. Giacomelli, and F. Marin** — Competition between orthogonally polarized transverse modes in vertical-cavity surface-emitting lasers and its influence on intensity noise. A **62,** 033810
_____ (see Urchueguía, J. F.) A **62,** 041801(R)
Pratt, R. H. — (see Carney, J. P. J.) A **62,** 012705
Prentiss, M. — (see Olshanii, M.) A **62,** 033612
Prigogine, I. — (see Karpov, E.) A **62,** 012103
_____ (see Petrosky, T.) A **62,** 042106
Pronko, G. — (see Karpov, E.) A **62,** 012103
Protopopescu, V. — (see Khibnik, A. I.) A **62,** 063815
Prymas, W. — (see Gartner, B.) A **62,** 012501

Qamar, Shahid — (see Ahmad, Mashhood) A **62,** 043814
Qiao, Haoxue and Baiwen Li — Calculations of lithium in magnetic fields with a modified freezing full-core method. A **62,** 033401
Qu, Yi-Zhi — (see Xu, Ya-Qiong) A **62,** 022715
Quinet, Pascal — (see Biémont, Emile) A **62,** 032512
Quiney, H. M. — (see Grant, I. P.) A **62,** 022508
Quiroga, Luis — (see Reina, John H.) A **62,** 012305

Rabitz, Herschel — (see Ramakrishna, Viswanath) A **62,** 053409
_____ (see Sundermann, Karsten) A **62,** 013409
Radmore, Paul M. — (see Jeffers, John) A **62,** 043602
Raimond, J. M. — (see Nogues, G.) A **62,** 054101(BR)
Raithel, G. — (see Dutta, S. K.) A **62,** 035401(BR)
Rajagopal, Kalai Kumar and Kuru Ratnavelu — Optical potential study of positron–hydrogen-atom scattering at intermediate energies. A **62,** 022717
Ralph, T. C. — Security of continuous-variable quantum cryptography. A **62,** 062306
Ramachandran, Hema — (see Narayanan, Andal) A **62,** 055602(BR)
Ramakrishna, Viswanath, Kathryn L. Flores, Herschel Rabitz, and Raimund J. Ober — Quantum control by decompositions of SU(2). A **62,** 053409
Randoux, Stéphane — (see Debut, Alexis) A **62,** 023803
Rangama, J. — (see Tanis, J. A.) A **62,** 032715
Raoult, M. — (see Carata, L.) A **62,** 052711
Raoult, Maurice — (see Mies, Frederick H.) A **62,** 012708
Rappaport, M. L. — (see Bhushan, K. G.) A **62,** 012504
Ratnavelu, Kuru — (see Rajagopal, Kalai Kumar) A **62,** 022717
Rauch, H. — (see Hradil, Z.) A **62,** 014101(BR)
Rauschenbeutel, A. — (see Nogues, G.) A **62,** 054101(BR)
Rayane, Driss — (see Dugourd, Philippe) A **62,** 011201(R)
Raychev, P. P. — (see Bonatsos, Dennis) A **62,** 013203
Raychev, Peter — (see Maruani, Jean) A **62,** 022511

Raymer, M. G. — (see Cheng, Chung-Chieh) A **62,** 023811
Reed, K. J. — (see Smith, A. J.) A **62,** 012704
Řeháček, J., J. Peřina, P. Facchi, S. Pascazio, and L. Mišta, Jr. — Quantum Zeno effect in a probed down-conversion process. A **62,** 013804
Reichert, J. — (see Udem, Th.) A **62,** 031801(R)
Reichl, L. E. — (see Emmanouilidou, Agapi) A **62,** 022709
Reid, M. D. — Violations of Bell inequalities for measurements with macroscopic uncertainties: What it means to violate macroscopic local realism. A **62,** 022110
_____ Quantum cryptography with a predetermined key, using continuous-variable Einstein-Podolsky-Rosen correlations. A **62,** 062308
Reimann, S. M. — (see Viefers, S.) A **62,** 053604
Reina, John H., Luis Quiroga, and Neil F. Johnson — Quantum entanglement and information processing via excitons in optically driven quantum dots. A **62,** 012305
Reinecke, T. L. — (see Rudin, S.) A **62,** 053806
Reinhard, P.-G. — (see Ullrich, C. A.) A **62,** 053202
Reinhardt, W. P. — (see Carr, L. D.) A **62,** 063610
_____ (see Carr, L. D.) A **62,** 063611
Reinhold, C. O. — (see Tannian, B. E.) A **62,** 043402
_____ (see Yoshida, S.) A **62,** 023408
Reinköster, A. — (see Opitz, J.) A **62,** 022705
Rekveldt, M. Th. — (see Grigoriev, S. V.) A **62,** 063601
Rescigno, T. N. and C. W. McCurdy — Numerical grid methods for quantum-mechanical scattering problems. A **62,** 032706
_____ (see McCurdy, C. W.) A **62,** 032712
Rey, G. — (see Tarasevitch, A.) A **62,** 023816
Reynaud, Serge — (see Genet, Cyriaque) A **62,** 012110
Reznik, Benni — (see Casher, Aharon) A **62,** 042104
Rice, Dien A., Gregg Jaeger, and Barry C. Sanders — Two-coherent-state interferometry. A **62,** 012101
Rice, P. R. — (see Clemens, J. P.) A **62,** 033802
Richard, Jean-Marc — (see Moszkowski, Steven) A **62,** 032504
Richardson, D. S., R. N. Lyman, and P. K. Majumder — Hyperfine splitting and isotope-shift measurements within the 378-nm $6P_{1/2}$-$7S_{1/2}$ transition in ^{203}Tl and ^{205}Tl. A **62,** 012510
Riehle, Fritz — (see Binnewies, Tomas) A **62,** 011601(R)
Rinkleff, R.-H. — (see Müller, M.) A **62,** 060501(R)
Rivarola, R. D. — (see Galassi, M. E.) A **62,** 022701
_____ (see Weck, P.) A **62,** 014701(BR)
Roberts, G. — (see López-Martens, R. B.) A **62,** 013414
Roberts, M., P. Taylor, G. P. Barwood, W. R. C. Rowley, and P. Gill — Observation of the $^2S_{1/2}$-$^2F_{7/2}$ electric octupole transition in a single $^{171}Yb^+$ ion. A **62,** 020501(R)
Robertson, J. A. — (see Kutzner, M.) A **62,** 062717
Robicheaux, F. — Isolated-core excitations in strong electric fields. I. Theory. A **62,** 033406
_____ Scattering with longitudinally coherent matter beams. A **62,** 062706
_____ **, C. Wesdorp, and L. D. Noordam** — Selective field ionization in Li and Rb: Theory and experiment. A **62,** 043404
_____ (see Pindzola, M. S.) A **62,** 042705
_____ (see Pindzola, M. S.) A **62,** 062718
_____ (see Warntjes, J. B. M.) A **62,** 033407
Robin, A. — (see Schlathölter, T.) A **62,** 042901
Rochester, S. M. — (see Budker, D.) A **62,** 043403
Rodriguez, M., K.-A. Suominen, and B. M. Garraway — Tailoring of vibrational state populations with light-induced potentials in molecules. A **62,** 053413
Rodríguez, V. D. and R. O. Barrachina — Thomas mechanism in electron capture to the continuum. A **62,** 062716
Rogister, F., P. Mégret, O. Deparis, and M. Blondel — Coexistence of in-phase and out-of-phase dynamics in a multimode external-cavity laser diode operating in the low-frequency fluctuations regime. A **62,** 061803(R)
Roldán, Eugenio — (see Urchueguía, J. F.) A **62,** 041801(R)
Roller-Lutz, Z. — (see Lu, J.) A **62,** 050701(R)
Ron, Amiram — (see Zoubi, Hashem) A **62,** 033801
Roos, C. F. — (see Steane, A.) A **62,** 042305
Ros, D. — (see Larroche, O.) A **62,** 043815
Ros, David — (see Kuba, Jaroslav) A **62,** 043808
Rosén, S. — (see Djurić, N.) A **62,** 032702
_____ (see Larson, Å.) A **62,** 042707
Rosenberg, Leonard — Atomic motion in a two-mode laser field. A **62,** 053401
Ross, S. C. — (see Matzkin, A.) A **62,** 062511
Rost, Jan M. — (see van de Sand, Gerd) A **62,** 053403
Rost, Jan-Michael — (see Figueira de Morisson Faria, Carla) A **62,** 051402(R)
Rostovtsev, Yuri — (see Lee, Hwang) A **62,** 063804
Rottke, H. — (see Trump, C.) A **62,** 063402
Roussev, R. P. — (see Bonatsos, Dennis) A **62,** 013203
Rowley, W. R. C. — (see Roberts, M.) A **62,** 020501(R)
Roy, K. — (see Sahoo, S.) A **62,** 022716
Roychowdhury, Vwani — (see Vrijen, Rutger) A **62,** 012306
Rozmej, P. — (see Arvieu, R.) A **62,** 022514
Rubin, Morton H. — (see Pittenger, Arthur O.) A **62,** 032313
_____ (see Pittenger, Arthur O.) A **62,** 042306
Rucińska, A. — (see Bieniak, B.) A **62,** 022720
Rudin, S. and T. L. Reinecke — Effects of dissipation and mode broadening in emission spectra of optical cavities and semiconductor microcavities. A **62,** 053806
Rühl, E. — (see Flesch, R.) A **62,** 052723
Rumyantsev, Ilya — (see Pötting, Sierk) A **62,** 060101(R)
Runge, Keith and David A. Micha — Time-dependent many-electron approach to slow ion-atom collisions for systems with several active electrons. A **62,** 022703
Rungta, P. K. — (see Clemens, J. P.) A **62,** 033802

Sabbah, A. S. — (see Tantawi, R. S.) A **62,** 042710
Sabin, J. R. — (see Cabrera-Trujillo, R.) A **62,** 052714
Sacchi, M. F. — (see Bruss, D.) A **62,** 062302
Sacchi, Massimiliano F. — (see Mauro D'Ariano, G.) A **62,** 023815
Sackett, C. A. — (see Gerton, J. M.) A **62,** 049901(E)
_____ (see Turchette, Q. A.) A **62,** 053807
Sáenz, J. J. — (see Carminati, R.) A **62,** 012712
Safronova, M. S. and W. R. Johnson — High-precision calculation of the parity-nonconserving amplitude in francium. A **62,** 022112
Safronova, U. I., W. R. Johnson, and J. R. Albritton — Relativistic many-body calculations of excitation energies and oscillator strengths in Ni-like ions. A **62,** 052505
Safvan, C. P., M. J. Jensen, H. B. Pedersen, and L. H. Andersen — Erratum: Dissociative recombination of the CO^{2+} dication [Phys. Rev. A **60**, R3361 (1999)]. A **62,** 019901(E)
Sahoo, S., R. Das, N. C. Sil, S. C. Mukherjee, and K. Roy — Ionization of multielectron atoms using Slater-type wave functions. A **62,** 022716
Saito, N., K. Ueda, M. Simon, K. Okada, Y. Shimizu, H. Chiba, Y. Senba, H. Okumura, H. Ohashi, Y. Tamenori, S. Nagaoka, A. Hiraya, H. Yoshida, E. Ishiguro, T. Ibuki, I. H. Suzuki, and I. Koyano — Molecular deformation in the O $1s^{-1}2\pi_u$ excited states of CO_2 probed by the triple-differential measurement of fragment ions. A **62,** 042503
Sakhr, Jamal and Niall D. Whelan — Semiclassical trace formulas for two identical particles. A **62,** 042109
Salam, A. — Comment on ''Casimir-Polder long-range interaction potentials between alkali-metal atoms''. A **62,** 026701(C)
Salamero, Y. — (see Sewraj, N.) A **62,** 052721
Salamin, Yousef I., F. H. M. Faisal, and Christoph H. Keitel — Exact analysis of ultrahigh laser-induced acceleration of electrons by cyclotron autoresonance. A **62,** 053809
Saleh, Bahaa E. A., Ayman F. Abouraddy, Alexander V. Sergienko, and Malvin C. Teich — Duality between partial coherence and partial entanglement. A **62,** 043816
_____ (see Tsegaye, Tedros) A **62,** 032106
Sałek, P., R. F. Fink, F. Gel'mukhanov, M. N. Piancastelli, R. Feifer, M. Bässler, S. L. Sorensen, C. Miron, H. Wang, I. Hjelte, O.

Björneholm, A. Ausmees, S. Svensson, and H. Ågren — Resonant x-ray Raman Scattering involving avoided crossings in the final-state potential-energy curves. A **62,** 062506
Salomonson, Sten — (see Beier, Thomas) A **62,** 032510
Salzborn, E. — (see Müller, A.) A **62,** 062720
Sanders, B. C. — (see Munro, W. J.) A **62,** 052108
Sanders, Barry C. — (see Marzlin, Karl-Peter) A **62,** 013602
_____ (see Rice, Dien A.) A **62,** 012101
Sandner, W. — (see Maeda, H.) A **62,** 035402(BR)
_____ (see Trump, C.) A **62,** 063402
Sandström, Joakim — (see Andersson, Karin T.) A **62,** 022503
San Miguel, Maxi — (see Zambrini, Roberta) A **62,** 063801
Santos, E. and M. Ferrero — Linear entropy and Bell inequalities. A **62,** 024101(BR)
Santos, José Paulo — (see Kim, Yong-Ki) A **62,** 052710
Santos, Luis — (see Felbinger, Timo) A **62,** 033603
Sapirstein, J. — (see Cheng, K. T.) A **62,** 054501(BR)
_____ (see Mohr, Peter J.) A **62,** 052501
Sasaki, H. — (see Miura, T.) A **62,** 021201(R)
Sattin, Fabio — Classical overbarrier model to compute charge exchange and ionization between ions and one-optical-electron atoms. A **62,** 042711
Saue, T. — (see Ellingsen, K.) A **62,** 032502
Sautenkov, V. A., M. D. Lukin, C. J. Bednar, I. Novikova, E. Mikhailov, M. Fleischhauer, V. L. Velichansky, G. R. Welch, and M. O. Scully — Enhancement of magneto-optic effects via large atomic coherence in optically dense media. A **62,** 023810
Savukov, I. M. and W. R. Johnson — Equality of length-form and velocity-form transition amplitudes in relativistic many-body perturbation theory. A **62,** 052506
_____ **and W. R. Johnson** — Form-independent third-order transition amplitudes for atoms with one valence electron. A **62,** 052512
Schafer, Kenneth J. — (see Gaarde, Mette B.) A **62,** 053411
Schaller, L. A. — (see Gartner, B.) A **62,** 012501
Schartner, K.-H. — (see Feili, D.) A **62,** 022501
Scheel, S., L. Knöll, T. Opatrný, and D.-G. Welsch — Entanglement transformation at absorbing and amplifying four-port devices. A **62,** 043803
Scheer, Michael — (see Nugent-Glandorf, Lora) A **62,** 023812
Scheidenberger, C. — (see Vane, C. R.) A **62,** 010701(R)
Schellenberg, L. — (see Gartner, B.) A **62,** 012501
Scheunemann, R., F. S. Cataliotti, T. W. Hänsch, and M. Weitz — Resolving and addressing atoms in individual sites of a CO_2-laser optical lattice. A **62,** 051801(R)
Schipper, P. R. T. — (see Gritsenko, O. V.) A **62,** 012507
Schippers, S., T. Bartsch, C. Brandau, A. Müller, G. Gwinner, G. Wissler, M. Beutelspacher, M. Grieser, A. Wolf, and R. A. Phaneuf — Dielectronic recombination of lithiumlike Ni^{25+} ions: High-resolution rate coefficients and influence of external crossed electric and magnetic fields. A **62,** 022708
Schlagheck, P. — (see Madsen, L. B.) A **62,** 062719
Schlathölter, T., A. Närmann, A. Robin, D. F. A. Winters, S. Marini, R. Morgenstern, and R. Hoekstra — Sputtering of hollow atoms from carbon surfaces. A **62,** 042901
Schlienz, Jürgen — (see Jozsa, Richard) A **62,** 012301
Schlöder, U. — (see Gleisberg, F.) A **62,** 063602
Schmider, Hartmut L. — (see Wang, Jiahu) A **62,** 016501(C)
Schmidt, H. T. — (see Opitz, J.) A **62,** 022705
Schmidt, T. W. — (see López-Martens, R. B.) A **62,** 013414
Schmidt-Kaler, F. — (see Steane, A.) A **62,** 042305
Schmiedmayer, J. — (see Bernet, S.) A **62,** 023606
Schmitt, William — (see Pötting, Sierk) A **62,** 060101(R)
Schneider, B. I. — (see Feder, D. L.) A **62,** 053606
Schneider, I. F. — (see Carata, L.) A **62,** 052711
Schneuwly, H. — (see Gartner, B.) A **62,** 012501
Schrader, D. M. — (see Moxom, J.) A **62,** 052708
Schuch, R. H. — (see Vane, C. R.) A **62,** 010701(R)
Schuck, P. — (see Farine, M.) A **62,** 013608
Schulz, D. R. — (see Jamieson, M. J.) A **62,** 069902(E)
Schulz, J. — (see von dem Borne, A.) A **62,** 052703
Schürmann, M. C. — (see Flesch, R.) A **62,** 052723
Schwalm, D. — (see Krohn, S.) A **62,** 032713
Schwob, J. L. — (see Doron, R.) A **62,** 052508
Scofield, J. H. — (see Smith, A. J.) A **62,** 052717
Scully, M. O. — (see Arun, R.) A **62,** 023809
_____ (see Fleischhauer, M.) A **62,** 013808
_____ (see Sautenkov, V. A.) A **62,** 023810
Scully, Marlan O. — (see Lee, Hwang) A **62,** 063804
Search, C. and P. R. Berman — Collisional decoherence in the presence of ultrafast optical pulses. A **62,** 053405
Seccareccia, V. — (see Abraham, N. B.) A **62,** 013810
Segev, Bilha, Peter W. Milonni, James F. Babb, and Raymond Y. Chiao — Quantum noise and superluminal propagation. A **62,** 022114
Segev, Mordechai — (see Soljačić, Marin) A **62,** 043817
Segundo, P. C. — (see Lima, E. G.) A **62,** 013410
Seidl, Michael, John P. Perdew, and Stefan Kurth — Density functionals for the strong-interaction limit. A **62,** 012502
Sekaric, L. — (see Abraham, N. B.) A **62,** 013810
Selin, A. V. — (see Ermolaev, A. M.) A **62,** 015401(BR)
Sen, S. and N. Chandra — Chiralities in double photoionization of rotating linear molecules. A **62,** 052702
Senba, Masayoshi — Anisotropic muonium atoms: Energy levels and electron spin exchange. A **62,** 042505
Senba, Y. — (see Saito, N.) A **62,** 042503
Senet, P. — (see Howard, I. A.) A **62,** 062512
Seong Lee, Eun — (see Pötting, Sierk) A **62,** 060101(R)
Serbo, V. G. — (see Arteaga-Romero, N.) A **62,** 032501
Sergienko, A. V. — (see Branning, D.) A **62,** 063808
Sergienko, Alexander V. — (see Saleh, Bahaa E. A.) A **62,** 043816
_____ (see Tsegaye, Tedros) A **62,** 032106
Serpa, F. G. — (see Chantler, C. T.) A **62,** 042501
Serra, R. M., N. G. de Almeida, C. J. Villas-Bôas, and M. H. Y. Moussa — Engineering cavity-field states by projection synthesis. A **62,** 043810
Serrat, C. — (see van Druten, N. J.) A **62,** 053808
Setty, A. — (see Wynveen, A.) A **62,** 023602
Sewraj, N., J. P. Gardou, Y. Salamero, and P. Millet — Radiation trapping of the $^3P_1$-$^1S_0$ resonant transitions of xenon and krypton in Xe-Kr, Xe-Ar, and Kr-Ar mixtures: Kinetic analysis and determination of the van der Waals broadening coefficients. A **62,** 052721
Shabaev, V. M. — (see Artemyev, A. N.) A **62,** 022116
_____ (see Yerokhin, V. A.) A **62,** 042712
Shaffer, J. P. — (see Young, Y. E.) A **62,** 055403(BR)
Shakeshaft, Robin — Representation of a complex Green function on a real basis: Integral representation. A **62,** 062705
Shakhmuratov, R. N., A. Szabo, G. Kozyreff, R. Coussement, J. Odeurs, and Paul Mandel — Dark state in ruby: Analysis of the feasibility. A **62,** 043405
Shapiro, Moshe — (see Vardi, Amichay) A **62,** 025401(BR)
Sharf, Y. — (see Tseng, C. H.) A **62,** 032309
Sharf, Yehuda, Timothy F. Havel, and David G. Cory — Spatially encoded pseudopure states for NMR quantum-information processing. A **62,** 052314
Sharoitchenko, D. A. — (see Boltalina, O. V.) A **62,** 023202
Shi, Bao-Sen, Yun-Kun Jiang, and Guang-Can Guo — Optimal entanglement purification via entanglement swapping. A **62,** 054301(BR)
Shi, Lei — (see Zheng, Shi-Biao) A **62,** 035801(BR)
Shi, Qicun — (see Kais, Sabre) A **62,** 060502(R)
Shi, W. — (see Larson, Å.) A **62,** 042707
Shigetomi, Kei — (see Nagatani, Yukinori) A **62,** 022117
Shih, Yanhua — (see Kim, Yoon-Ho) A **62,** 011802(R)
_____ (see Kim, Yoon-Ho) A **62,** 043820
Shimakura, N. — (see Kita, S.) A **62,** 032704
Shimizu, Kaoru and Nobuyuki Imoto — Single-photon-interference communication equivalent to Bell-state-basis cryptographic quantum communication. A **62,** 054303(BR)
Shimizu, Y. — (see Saito, N.) A **62,** 042503

Shin, Hyun Joon — (see Kim, Jung-Hoon) A **62,** 055402(BR)
Shirai, T. — (see Gulyás, L.) A **62,** 022702
Shirai, Toshizo — (see Zhao, Li-Bo) A **62,** 022706
Shon, Nguyen Hong, Akira Suda, and Katsumi Midorikawa — Generation and propagation of high-order harmonics in high-pressure gases. A **62,** 023801
Shyn, Tong W. and Christopher J. Sweeney — Measurement of absolute differential excitation cross sections of molecular oxygen by electron impact: Decomposition of the Herzberg pseudocontinuum. A **62,** 022711
Siegmann, B., U. Werner, R. Mann, N. M. Kabachnik, and H. O. Lutz — Kinetic energy release distributions in the Coulomb explosion of N_2 molecules induced by fast, highly-charged-ion impact. A **62,** 022718
Sierzputowska-Gracz, H. — (see Collins, David) A **62,** 022304
Sikström, C. M. — (see Li, Z. S.) A **62,** 032505
Sil, N. C. — (see Sahoo, S.) A **62,** 022716
Simon, C. — (see Kempe, J.) A **62,** 032302
Simon, M. — (see Saito, N.) A **62,** 042503
Şimşek, Önder — Coster-Kronig *L*-shell yield f_{23} of Dy, W, and Bi. A **62,** 052517
Singh, Surendra — (see Vyas, Reeta) A **62,** 033803
Sinha, C. — (see Nath, B.) A **62,** 052713
Sjöqvist, Erik — Geometric phase for entangled spin pairs. A **62,** 022109
_____ (see Hessmo, Björn) A **62,** 062301
Skenderović, H., I. Labazan, S. Milošević, and G. Pichler — Laser-ignited glow discharge in lithium vapor. A **62,** 052707
Skogvall, B. — (see Tanis, J. A.) A **62,** 032715
Skvarcek, Jozef and Mark Hillery — Phase distribution and amplitude of a micromaser field in a semiclassical approximation. A **62,** 013807
Slotine, Jean-Jacques E. — (see Lloyd, Seth) A **62,** 012307
Šmit, Ž. — (see Pelicon, P.) A **62,** 022704
Smith, A. J., P. Beiersdorfer, K. J. Reed, A. L. Osterheld, V. Decaux, K. Widmann, and M. H. Chen — Ratios of $n=3\rightarrow1$ intercombination to resonance line intensities for heliumlike ions with intermediate *Z* values. A **62,** 012704
_____ **, P. Beiersdorfer, K. Widmann, M. H. Chen, and J. H. Scofield** — Measurement of resonant strengths for dielectronic recombination in heliumlike Ar^{16+}. A **62,** 052717
Smith, R. A. and N. K. Wilkin — Exact eigenstates for repulsive bosons in two dimensions. A **62,** 061602(R)
Smith, Vedene H., Jr. — (see Wang, Jiahu) A **62,** 016501(C)
Snell, G. — (see Cheng, W. T.) A **62,** 062509
Snowdon, John F. — (see Gourlay, Iain) A **62,** 022308
Söderholm, Jonas — (see Björk, Gunnar) A **62,** 023817
Soff, G. — (see Artemyev, A. N.) A **62,** 022116
Sohma, Masaki and Osamu Hirota — Binary discretization for quantum continuous channels. A **62,** 052312
Sokolov, I. M. — (see Bayram, S. B.) A **62,** 012503
Sokolovski, D. — Complex-angular-momentum analysis of atom-diatom angular scattering: Zeros and poles of the *S* matrix. A **62,** 024702(BR)
Solano, E., P. Milman, R. L. de Matos Filho, and N. Zagury — Manipulating motional states by selective vibronic interaction in two trapped ions. A **62,** 021401(R)
Solimeno, S. — (see Man'ko, V.) A **62,** 053407
Soljačić, Marin and Mordechai Segev — Self-trapping of electromagnetic beams in vacuum supported by QED nonlinear effects. A **62,** 043817
Solov'yov, Andrey V. — (see Gerchikov, Leonid G.) A **62,** 043201
Somaroo, S. — (see Tseng, C. H.) A **62,** 032309
Song, Dae-Yup — Unitary relation between a harmonic oscillator of time-dependent frequency and a simple harmonic oscillator with and without an inverse-square potential. A **62,** 014103(BR)
Song, David D. — (see Hardy, Lucien) A **62,** 052315
Sonntag, B. — (see von dem Borne, A.) A **62,** 052703
Sørensen, Anders and Klaus Mølmer — Entanglement and quantum computation with ions in thermal motion. A **62,** 022311
Sorensen, S. L. — (see Sałek, P.) A **62,** 062506
Soroko, A. V. — Atom-optics hologram in the time domain. A **62,** 013604
Spellmeyer, Neal — (see Kondratovich, Vladimir) A **62,** 043409
Sprouse, G. D. — (see Grossman, J. M.) A **62,** 052507
_____ (see Grossman, J. M.) A **62,** 062502
Stacey, D. N. — (see Barton, P. A.) A **62,** 032503
Stahlhofen, A. A. — Photonic tunneling time in frustrated total internal reflection. A **62,** 012112
Stallcop, James R., Harry Partridge, and Eugene Levin — Effective potential energies and transport cross sections for interactions of hydrogen and nitrogen. A **62,** 062709
Starace, Anthony F. — (see Masili, Mauro) A **62,** 033403
Steane, A., C. F. Roos, D. Stevens, A. Mundt, D. Leibfried, F. Schmidt-Kaler, and R. Blatt — Speed of ion-trap quantum-information processors. A **62,** 042305
Steane, A. M. — (see Barton, P. A.) A **62,** 032503
Stejskal, E. O. — (see Collins, David) A **62,** 022304
Stenholm, S. — (see Bardroff, P. J.) A **62,** 023814
Stenholm, Stig and Erika Andersson — Shared access to quantum information. A **62,** 044301(BR)
Sterr, Uwe — (see Binnewies, Tomas) A **62,** 011601(R)
Stevens, D. — (see Steane, A.) A **62,** 042305
Stevens, D. A. — (see Barton, P. A.) A **62,** 032503
Stewart, M. D., Jr. — (see Chilton, J. Ethan) A **62,** 032714
Stießberger, J. S. and W. Zwerger — Critcal velocity of superfluid flow past large obstacles in Bose-Einstein condensates. A **62,** 061601(R)
Stöckli, M. — (see Abdallah, M. A.) A **62,** 012711
Stokely, C. L. — (see Tannian, B. E.) A **62,** 043402
Stolterfoht, N. — (see Tanis, J. A.) A **62,** 032715
Stoof, H. T. C. — (see Al Khawaja, U.) A **62,** 053602
_____ (see Bijlsma, M. J.) A **62,** 013605
_____ (see Bijlsma, M. J.) A **62,** 063609
Storey, Pippa and Maxim Olshanii — Closed class of hydrodynamical solutions for the collective excitations of a Bose-Einstein condensate. A **62,** 033604
Story, J. G. — (see Ereifej, Heider N.) A **62,** 023404
_____ (see Ereifej, Heider N.) A **62,** 033405
Straten, P. van der — (see Amelink, A.) A **62,** 013408
Stroud, C. R., Jr. — (see Aronstein, David L.) A **62,** 022102
_____ (see Muthukrishnan, Ashok) A **62,** 052309
Sturrus, W. G. — (see Jacobson, P. L.) A **62,** 012509
Stwalley, W. C. — (see Wang, H.) A **62,** 052704
Su, J. C. — (see Yi, X. X.) A **62,** 013819
Suárez, S. — (see Fregenal, D.) A **62,** 012703
Suda, Akira — (see Shon, Nguyen Hong) A **62,** 023801
Suess, L. — (see Hill, S. B.) A **62,** 015403(BR)
Suhail Zubairy, M. — (see Ahmad, Mashhood) A **62,** 043814
Sukharev, M. E. and V. P. Krainov — Population effects in high-order harmonic generation by the hydrogen molecular ion in a strong laser field. A **62,** 033404
Sulik, B. — (see Tanis, J. A.) A **62,** 032715
Sultanov, Renat A. and Sadhan K. Adhikari — Dynamical calculation of direct muon-transfer rates from thermalized muonic hydrogen to C^{6+} and O^{8+}. A **62,** 022509
Summhammer, J. — (see Hradil, Z.) A **62,** 014101(BR)
Summy, G. S. — (see Godun, R. M.) A **62,** 013411
Sun, Changpu — (see Wu, Ying) A **62,** 063603
Sun, Jinfeng — (see Jiang, Yuhai) A **62,** 062712
Sun, Q. — (see Wang, Q.) A **62,** 063203
Sundermann, Karsten, Herschel Rabitz, and Regina de Vivie-Riedle — Compensating for spatial laser profile effects on the control of quantum systems. A **62,** 013409
Sunnergren, Per — (see Beier, Thomas) A **62,** 032510
Suominen, K.-A. — (see Pakarinen, O. H.) A **62,** 025402(BR)
_____ (see Rodriguez, M.) A **62,** 053413
Suraud, E. — (see Ullrich, C. A.) A **62,** 053202
Sureau, A. — (see Larroche, O.) A **62,** 043815

Susuki, Yasufumi, Martin Fritz, Kenji Kimura, Michi-hiko Mannami, Rafael Garcia-Molina, and Isabel Abril — Energy loss of fragment protons dissociated from 0.2- and 0.5-MeV/amu H_2^+ ions incident in carbon foils. A **62,** 012902
Sutherland, Bill — (see Paul, Prabasaj) A **62,** 055601(BR)
Suzor-Weiner, A. — (see Carata, L.) A **62,** 052711
Suzuki, I. H. — (see Saito, N.) A **62,** 042503
Suzuki, T. — (see Miyakawa, T.) A **62,** 063613
Svaiter, N. F. — (see Ford, L. H.) A **62,** 062105
Svensson, S. — (see Sałek, P.) A **62,** 062506
Svidzinsky, Anatoly A. and Alexander L. Fetter — Dynamics of a vortex in a trapped Bose-Einstein condensate. A **62,** 063617
Swain, S. — (see Akram, Uzma) A **62,** 013413
Sweeney, Christopher J. — (see Shyn, Tong W.) A **62,** 022711
Szabo, A. — (see Shakhmuratov, R. N.) A **62,** 043405
Szmytkowski, Radosław and Bożena Żywicka-Możejko — Sturmian basis functions for the harmonic oscillator. A **62,** 022104
Szonert, J. — (see Bieniak, B.) A **62,** 022720
Szudy, J. — (see Bielski, A.) A **62,** 032511
Szymaniec, K. — (see Davies, H. J.) A **62,** 013412

Taïeb, Richard, Valérie Véniard, Alfred Maquet, N. L. Manakov, and S. I. Marmo — Circular dichroism from unpolarized atoms in multiphoton multicolor ionization. A **62,** 013402
Takács, E. — (see Chantler, C. T.) A **62,** 042501
Takeuchi, Shigeki — Experimental demonstration of a three-qubit quantum computation algorithm using a single photon and linear optics. A **62,** 032301
Talanina, I. and C. Martijn de Sterke — Bloch waves and Wannier functions in periodic superstructure Bragg gratings. A **62,** 043802
Talebpour, A., K. Vijayalakshmi, A. D. Bandrauk, T. T. Nguyen-Dang, and S. L. Chin — Dissociative ionization of D_2 in intense laser fields: D^+-ion production perpendicular to the polarization of a 400-nm laser field. A **62,** 042708
____ (see Vijayalakshmi, K.) A **62,** 053408
Talkenberg, M. — (see von dem Borne, A.) A **62,** 052703
Talyanskii, V. I. — (see Foden, C. L.) A **62,** 011803(R)
Tamaki, Yusuke, Jiro Itatani, Minoru Obara, and Katsumi Midorikawa — Optimization of conversion efficiency and spatial quality of high-order harmonic generation. A **62,** 063802
Tamenori, Y. — (see Saito, N.) A **62,** 042503
Tan, Sze M. — (see Doherty, Andrew C.) A **62,** 012105
Tanaka, Yuji — (see Kusakabe, Toshio) A **62,** 062715
Tanatar, B. and K. Erkan — Strongly interacting one-dimensional Bose-Einstein condensates in harmonic traps. A **62,** 053601
Tandon, P. N. — (see Dhal, B. B.) A **62,** 022714
Tang, Sing Hai — (see Zeng, Heping) A **62,** 045402(BR)
Tanis, J. A., J.-Y. Chesnel, F. Frémont, D. Hennecart, X. Husson, D. Lecler, A. Cassimi, J. P. Grandin, J. Rangama, B. Skogvall, B. Sulik, J.-H. Bremer, and N. Stolterfoht — One- and two-*K*-shell vacancy production in atomic Li by 95-MeV/u Ar^{18+} projectiles. A **62,** 032715
Tannian, B. E., C. L. Stokely, F. B. Dunning, C. O. Reinhold, S. Yoshida, and J. Burgdörfer — Kicked Rydberg atom: Response to trains of unidirectional and bidirectional impulses. A **62,** 043402
Tantawi, R. S., A. S. Sabbah, J. H. Macek, and S. Yu. Ovchinnikov — Two-state model for top-of-barrier processes. A **62,** 042710
Tarasevitch, A., A. Orisch, D. von der Linde, Ph. Balcou, G. Rey, J.-P. Chambaret, U. Teubner, D. Klöpfel, and W. Theobald — Generation of high-order spatially coherent harmonics from solid targets by femtosecond laser pulses. A **62,** 023816
Tassone, F. and Y. Yamamoto — Lasing and squeezing of composite bosons in a semiconductor microcavity. A **62,** 063809
Tate, D. A. — (see Jennerich, R. M.) A **62,** 042506
Tawara, Hiroyuki — (see Kusakabe, Toshio) A **62,** 062714
____ (see Kusakabe, Toshio) A **62,** 062715
Taylor, P. — (see Roberts, M.) A **62,** 020501(R)
Taylor, W. — (see Crane, S. G.) A **62,** 011402(R)
Tazawa, T. — (see Nagano, R.) A **62,** 062721
Teich, Malvin C. — (see Saleh, Bahaa E. A.) A **62,** 043816
____ (see Tsegaye, Tedros) A **62,** 032106
Tempea, G. — (see Geissler, M.) A **62,** 033817
Teng, H. — (see Müller, A.) A **62,** 062720
Terziev, P. A. — (see Bonatsos, Dennis) A **62,** 013203
Terziev, Peter — (see Maruani, Jean) A **62,** 022511
Teubner, U. — (see Tarasevitch, A.) A **62,** 023816
Thalmann, Y.-A. — (see Gartner, B.) A **62,** 012501
Theobald, W. — (see Tarasevitch, A.) A **62,** 023816
Theußl, Lukas — (see Moszkowski, Steven) A **62,** 032504
Thulasiram, K. V. — (see Dhal, B. B.) A **62,** 022714
Tian, Lin and Seth Lloyd — Resonant cancellation of off-resonant effects in a multilevel qubit. A **62,** 050301(R)
Tiedtke, K. — (see Kanngießer, B.) A **62,** 014702(BR)
____ (see von dem Borne, A.) A **62,** 052703
Tiesinga, E. — (see Gensemer, S. D.) A **62,** 030702(R)
____ (see Wang, H.) A **62,** 052704
Tikhonov, G. — (see Kasperovich, V.) A **62,** 063201
Tisch, John W. G. — Phase-matched high-order harmonic generation in an ionized medium using a buffer gas of exploding atomic clusters. A **62,** 041802(R)
Tiwari, U. — (see Dhal, B. B.) A **62,** 022714
Tkachuk, V. M. — Quantum topological phase of an electric dipole circulating around a ferromagnetic wire. A **62,** 052112
Tolmanov, S. G. and J. H. McGuire — Electron-electron Thomas peak in fast transfer ionization. A **62,** 032711
Toma, E. S., H. G. Muller, P. M. Paul, P. Breger, M. Cheret, P. Agostini, C. Le Blanc, G. Mullot, and G. Cheriaux — Ponderomotive streaking of the ionization potential as a method for measuring pulse durations in the XUV domain with fs resolution. A **62,** 061801(R)
Tomášik, Boris — (see Arnold, Peter) A **62,** 063604
Tombesi, P. — (see Giovannetti, V.) A **62,** 032306
Tombesi, Paolo — (see Massini, Michol) A **62,** 041401(R)
Tombrello, T. A. — (see Hartman, J. W.) A **62,** 043202
Tomio, Lauro — (see Coutinho, F. A. B.) A **62,** 016102(C)
____ (see Filho, Victo S.) A **62,** 033605
Tomita, Akihisa — (see Nambu, Yoshihiro) A **62,** 012312
Tomita, S. — (see Miura, T.) A **62,** 021201(R)
____ (see Opitz, J.) A **62,** 022705
Tommasini, R. and E. Fill — Excitation-velocity and group-velocity mismatch in amplified spontaneous emission lasers: A discussion on the transient gain x-ray lasers. A **62,** 034701(BR)
Tong, Xiao-Min, Daiji Kato, Tsutomu Watanabe, and Shunsuke Ohtani — Time-dependent Schrödinger equation method: Application to charge transfer and excitation in H and H^+ collisions. A **62,** 052701
Tordoir, X. — (see Träbert, E.) A **62,** 022507
Tosi, Mario P. — (see Minguzzi, Anna) A **62,** 023604
Träbert, E., A. G. Calamai, J. D. Gillaspy, G. Gwinner, X. Tordoir, and A. Wolf — Intercombination and forbidden transition rates in C- and N-like ions (O^{2+}, F^{3+}, and S^{9+}) measured at a heavy-ion storage ring. A **62,** 022507
____ (see Feili, D.) A **62,** 022501
Travagnin, M. and L. A. Lugiato — Microscopic model of quantum noise in single-mode semiconductor lasers. A **62,** 043813
____ (see Prati, F.) A **62,** 033819
Trawiński, R. S. — (see Bielski, A.) A **62,** 032511
Treps, N. and C. Fabre — Transverse distribution of quantum fluctuations and correlations in spatial solitons. A **62,** 033816
Tresch, S. — (see Gartner, B.) A **62,** 012501
Tribedi, Lokesh C. — (see Dhal, B. B.) A **62,** 022714
Trippenbach, Marek, Y. B. Band, and P. S. Julienne — Theory of four-wave mixing of matter waves from a Bose-Einstein condensate. A **62,** 023608
Trump, C., H. Rottke, M. Wittmann, G. Korn, W. Sandner, M. Lein, and V. Engel — Pulse-width and isotope effects in femtosecond-pulse strong-field dissociation of H_2^+ and D_2^+. A **62,** 063402

Tsegaye, Tedros, Gunnar Björk, Mete Atatüre, Alexander V. Sergienko, Bahaa E. A. Saleh, and Malvin C. Teich — Complementarity and quantum erasure with entangled-photon states. A **62,** 032106
Tseng, C. H., S. Somaroo, Y. Sharf, E. Knill, R. Laflamme, T. F. Havel, and D. G. Cory — Quantum simulation with natural decoherence. A **62,** 032309
Turbiner, A. — (see López V., J. C.) A **62,** 022510
Turchette, Q. A., C. J. Myatt, B. E. King, C. A. Sackett, D. Kielpinski, W. M. Itano, C. Monroe, and D. J. Wineland — Decoherence and decay of motional quantum states of a trapped atom coupled to engineered reservoirs. A **62,** 053807
Turek, M. — (see Arvieu, R.) A **62,** 022514
Tutay, A. — (see Kanngießer, B.) A **62,** 014702(BR)
Tyc, Tomáš — Inequalities for electron-field correlation functions. A **62,** 013803

Udem, Th., J. Reichert, T. W. Hänsch, and M. Kourogi — Absolute optical frequency measurement of the cesium D_2 line. A **62,** 031801(R)
Ueda, K. — (see Saito, N.) A **62,** 042503
Ugalde, Jesus M. — (see Fradera, Xavier) A **62,** 034502(BR)
_____ (see Matxain, Jon M.) A **62,** 053201
Uhlenberg, G., J. Dirscherl, and H. Walther — Magneto-optical trapping of silver atoms. A **62,** 063404
Uhlmann, Armin — Fidelity and concurrence of conjugated states. A **62,** 032307
Ullrich, C. A., P.-G. Reinhard, and E. Suraud — Simplified implementation of self-interaction correction in sodium clusters. A **62,** 053202
Unanyan, R.G., S. Guérin, and H.R. Jauslin — Coherent population trapping under bichromatic fields. A **62,** 043407
Unnikrishnan, C. S. — Origin of quantum-mechanical complementarity without momentum back action in atom-interferometry experiments. A **62,** 015601(BR)
Urchueguía, J. F., G. J. de Valcárcel, Eugenio Roldán, and F. Prati — Transverse effects in ring fiber laser multimode instabilities. A **62,** 041801(R)
Usui, Satoshi — (see Kimura, Kenji) A **62,** 062902

Valderrama, Elmer — (see Fradera, Xavier) A **62,** 034502(BR)
van der Hart, H. W. — Collapse versus growth for a Bose-Einstein condensate with attractive interactions. A **62,** 013601
van der Hart, Hugo W. and Keith Burnett — Recollision model for double ionization of atoms in strong laser fields. A **62,** 013407
van de Sand, Gerd and Jan M. Rost — Semiclassical description of multiphoton processes. A **62,** 053403
Van Doren, V. E. — (see Howard, I. A.) A **62,** 062512
van Druten, N. J., Y. Lien, C. Serrat, S. S. R. Oemrawsingh, M. P. van Exter, and J. P. Woerdman — Laser with thresholdless intensity fluctuations. A **62,** 053808
Vane, C. R., H. F. Krause, S. Datz, P. Grafström, H. Knudsen, C. Scheidenberger, and R. H. Schuch — Radiative electron capture at ultrarelativistic energies: 33-TeV Pb^{82+} ions. A **62,** 010701(R)
van Exter, M. P. — (see Pereira, S. F.) A **62,** 043811
_____ (see van Druten, N. J.) A **62,** 053808
van Gisbergen, S. J. A. — (see Gritsenko, O. V.) A **62,** 012507
Vanier, Jacques — (see Godone, Aldo) A **62,** 053402
van Kampen, P. — (see Kanngießer, B.) A **62,** 014702(BR)
van Loock, P., Samuel L. Braunstein, and H. J. Kimble — Broadband teleportation. A **62,** 022309
Vardi, Amichay and Moshe Shapiro — Matter-field entropy transfer in stimulated photoassociation. A **62,** 025401(BR)
Varga, Kálmán — (see Moszkowski, Steven) A **62,** 032504
Velichansky, V. L. — (see Sautenkov, V. A.) A **62,** 023810
Véniard, Valérie — (see Taïeb, Richard) A **62,** 013402
Ventura, Dan — (see Howell, John C.) A **62,** 042303
Vernac, L., M. Pinard, and E. Giacobino — Spin squeezing in two-level systems. A **62,** 063812
Verweyen, A. — (see von dem Borne, A.) A **62,** 052703
Vicéns, Marie C. and Gustavo E. López — Computational study of order-disorder transitions in alloy clusters using the isothermal-isobaric ensemble. A **62,** 033203
Vidal, G. — (see Dür, W.) A **62,** 062314
Vidal, Guifré — Optimal local preparation of an arbitrary mixed state of two qubits: Closed expression for the single-copy case. A **62,** 062315
_____ **, Daniel Jonathan, and M. A. Nielsen** — Approximate transformations and robust manipulation of bipartite pure-state entanglement. A **62,** 012304
_____ (see Horodecki, Paweł) A **62,** 032310
Viefers, S., T. H. Hansson, and S. M. Reimann — Bose condensates at high angular momenta. A **62,** 053604
Vieira, D. J. — (see Crane, S. G.) A **62,** 011402(R)
Viglione, Rosario G., Riccardo Zanasi, Paolo Lazzeretti, and Andrea Ligabue — Theoretical determination of parity-violating vibrational frequency differences between the enantiomers of the CHFClBr molecule. A **62,** 052516
Vignolo, Patrizia — (see Minguzzi, Anna) A **62,** 023604
Vigué, J. — (see Boisseau, C.) A **62,** 052705
Vijayalakshmi, K., A. Talebpour, T. T. Nguyen-Dang, J. Yang, A. D. Bandrauk, and S. L. Chin — Dissociative ionization of D_2 in a linearly polarized two-color ($\omega+2\omega$) laser field: Role of high-lying electronic states. A **62,** 053408
_____ (see Talebpour, A.) A **62,** 042708
Vikor, L. — (see Larson, Å.) A **62,** 042707
Vilaseca, R. — (see Kul'minskii, A.) A **62,** 033818
Villain, Pierre and Maciej Lewenstein — Fermi-Pasta-Ulam problem revisited with a Bose-Einstein condensate. A **62,** 043601
Villas-Bôas, C. J. — (see Serra, R. M.) A **62,** 043810
Viñas, X. — (see Farine, M.) A **62,** 013608
Vitali, D. — (see Giovannetti, V.) A **62,** 032306
Vitelli, Vincenzo — (see Blencowe, Miles P.) A **62,** 052104
Vogel, W. — (see Di Fidio, C.) A **62,** 031802(R)
Voitkiv, A. B., C. Müller, and N. Grün — Nonperturbative and relativistic effects in projectile-electron loss in relativistic collisions with atomic targets. A **62,** 062701
Vo Ky, L. — (see Zhou, H. L.) A **62,** 012707
Volz, Udo — (see Dzierżęga, Krzysztof) A **62,** 022505
von dem Borne, A., R. L. Johnson, B. Sonntag, M. Talkenberg, A. Verweyen, Ph. Wernet, J. Schulz, K. Tiedtke, Ch. Gerth, B. Obst, P. Zimmermann, and J. E. Hansen — Suppression of the low-spin multiplet components in the $3p$ photoelectron spectra of atomic and solid $3d$ metals. A **62,** 052703
von der Linde, D. — (see Tarasevitch, A.) A **62,** 023816
von Egidy, T. — (see Gartner, B.) A **62,** 012501
Vrijen, Rutger, Eli Yablonovitch, Kang Wang, Hong Wen Jiang, Alex Balandin, Vwani Roychowdhury, Tal Mor, and David DiVincenzo — Electron-spin-resonance transistors for quantum computing in silicon-germanium heterostructures. A **62,** 012306
Vrinceanu, D., A. Z. Msezane, and D. Bessis — Analytical accurate Regge-trajectory calculation for singular potentials. A **62,** 022719
Vyas, Reeta and Surendra Singh — Higher-order nonclassical effects in a parametric oscillator. A **62,** 033803

Wahlgren, G. M. — (see Li, Z. S.) A **62,** 032505
Walker, Thad G. — (see Nesnidal, Renée C.) A **62,** 030701(R)
Walls, D. F. — (see Olsen, M. K.) A **62,** 023802
Walmsley, I. A. — (see Branning, David) A **62,** 013814
_____ (see Erdmann, Reinhard) A **62,** 053810
Walsworth, R. — (see Crescimanno, M.) A **62,** 063612
Walsworth, R. L. — (see Humphrey, M. A.) A **62,** 063405
Walther, H. — (see Arun, R.) A **62,** 023809
_____ (see Uhlenberg, G.) A **62,** 063404
Wan, Lingde — (see Jiang, Yuhai) A **62,** 062712

Wang, Bingbing, Xiaofeng Li, and Panming Fu — Extension of the high-order-harmonic-generation cutoff frequency by two-color excitation. A **62,** 063816
Wang, H., A. N. Nikolov, J. R. Ensher, P. L. Gould, E. E. Eyler, W. C. Stwalley, J. P. Burke, Jr., J. L. Bohn, Chris. H. Greene, E. Tiesinga, C. J. Williams, and P. S. Julienne — Ground-state scattering lengths for potassium isotopes determined by double-resonance photoassociative spectroscopy of ultracold ^{39}K. A **62,** 052704
_____ (see Sałek, P.) A **62,** 062506
Wang, Hai — (see Zhang, Yun) A **62,** 023813
Wang, Hai-jun, Xue-xi Yi, and Xin-wu Ba — Dynamics of an atomic Bose-Einstein condensation interacting with a laser field in a double-well potential. A **62,** 023601
Wang, J. — (see McGuire, J. H.) A **62,** 012702
Wang, Jiahu, Hartmut L. Schmider, and Vedene H. Smith, Jr. — Comment on ''Cusp relations for local strongly decaying properties in electronic systems''. A **62,** 016501(C)
Wang, Jin, H. M. Wiseman, and Z. Ficek — Quantum interference in the fluorescence of a molecular system. A **62,** 013818
Wang, Kang — (see Vrijen, Rutger) A **62,** 012306
Wang, Q., Q. Sun, J-Z. Yu, B-L. Gu, Y. Kawazoe, and Y. Hashi — Structures of magic Ba clusters and magic Ba suboxide clusters. A **62,** 063203
Wang, Xiang-Bin, L. C. Kwek, and C. H. Oh — Quantum and classical geometric phase of the time-dependent harmonic oscillator. A **62,** 032105
_____ (see Ge, Mo-Lin) A **62,** 052110
_____ (see Kwek, L. C.) A **62,** 052107
_____ (see Kwek, L. C.) A **62,** 052313
Wang, Yingsong, Yaqing Liu, Xiaodong Yang, and Zhizhan Xu — Spectral splitting in high-order harmonic generation. A **62,** 063806
Wang, Yuzhu — (see Long, Quan) A **62,** 023406
Wang, Zheng-Min and D. S. Elliott — Complete measurements of two-photon ionization of atomic rubidium using elliptically polarized light. A **62,** 053404
Wang, Zi-Yang — (see Zhang, Chuan-Wei) A **62,** 042302
Ward, S. J. and J. H. Macek — Effective range analysis of positron-hydrogen collisions. A **62,** 052715
Warntjes, J. B. M., F. Robicheaux, and L. D. Noordam — Isolated-core excitations in strong electric fields. II. Experimental results in magnesium. A **62,** 033407
Watanabe, Tsutomu — (see Tong, Xiao-Min) A **62,** 052701
Watson, R. L., V. Horvat, J. M. Blackadar, and K. E. Zaharakis — Projectile Z dependence of Al K-shell vacancy production in 10-MeV/amu ion-solid collisions. A **62,** 052709
Weber, T. — (see Engler, H.) A **62,** 031402(R)
Weck, P., B. Joulakian, J. Hanssen, O. A. Fojón, and R. D. Rivarola — Multiple differential cross sections for single ionization of H_2, D_2, and T_2 molecules by fast electron impact: Influence of vibrational states. A **62,** 014701(BR)
Weidemüller, M. — (see Engler, H.) A **62,** 031402(R)
Weigold, E. — (see Lower, J.) A **62,** 012706
Weihs, G. — (see Kempe, J.) A **62,** 032302
Weitz, M. — (see Scheunemann, R.) A **62,** 051801(R)
Welch, G. R. — (see Sautenkov, V. A.) A **62,** 023810
Wells, E., B. D. Esry, K. D. Carnes, and I. Ben-Itzhak — Asymmetric branching ratio for the dissociation of $\mathbf{HD}^+(1s\sigma)$. A **62,** 062707
Welsch, D.-G. — (see Fiurášek, J.) A **62,** 063811
_____ (see Scheel, S.) A **62,** 043803
Welsch, Dirk-Gunnar — (see Clausen, Jens) A **62,** 042308
_____ (see Dung, Ho Trung) A **62,** 053804
Wensheng, Deng — (see Bingcong, Gou) A **62,** 032705
Werner, U. — (see Opitz, J.) A **62,** 022705
_____ (see Siegmann, B.) A **62,** 022718
Wernet, Ph. — (see von dem Borne, A.) A **62,** 052703
Werthmüller, A. — (see Gartner, B.) A **62,** 012501
Wesdorp, C. — (see Robicheaux, F.) A **62,** 043404
West, J. B. — (see Kjeldsen, H.) A **62,** 020702(R)
Wester, R. — (see Krohn, S.) A **62,** 032713
Whelan, Niall D. — (see Sakhr, Jamal) A **62,** 042109
Wicht, A. — (see Müller, M.) A **62,** 060501(R)
Widmann, K. — (see Smith, A. J.) A **62,** 012704
_____ (see Smith, A. J.) A **62,** 052717
Wieman, C. E. — (see Kuppens, S. J. M.) A **62,** 013406
Wiesenfeld, K. — (see Khibnik, A. I.) A **62,** 063815
Wilhelm, K. — (see Curdt, W.) A **62,** 022502
Wilkens, Martin — (see Felbinger, Timo) A **62,** 033603
Wilkin, N. K. — (see Smith, R. A.) A **62,** 061602(R)
Williams, C. J. — (see Gensemer, S. D.) A **62,** 030702(R)
_____ (see Wang, H.) A **62,** 052704
_____ (see Yurovsky, V. A.) A **62,** 043605
Wilson, S. — (see Kobus, J.) A **62,** 062503
Wineland, D. J. — (see Newbury, A. S.) A **62,** 023405
_____ (see Turchette, Q. A.) A **62,** 053807
Winter, H. — (see Auth, C.) A **62,** 012903
_____ (see Eder, H.) A **62,** 052901
Winter, HP. — (see Eder, H.) A **62,** 052901
Winters, D. F. A. — (see Schlathölter, T.) A **62,** 042901
Wiseman, H. M. and Zoe Brady — Robust unravelings for resonance fluorescence. A **62,** 023805
_____ (see Wang, Jin) A **62,** 013818
Wissler, G. — (see Schippers, S.) A **62,** 022708
Wittmann, M. — (see Trump, C.) A **62,** 063402
Woerdman, J. P. — (see Pereira, S. F.) A **62,** 043811
_____ (see van Druten, N. J.) A **62,** 053808
Wolf, A. — (see Krohn, S.) A **62,** 032713
_____ (see Schippers, S.) A **62,** 022708
_____ (see Träbert, E.) A **62,** 022507
Wolf, H. E. — (see Abdallah, M. A.) A **62,** 012711
Wolf, Steffen and Hanspeter Helm — Ion-recoil momentum spectroscopy in a laser-cooled atomic sample. A **62,** 043408
Wolff, W. — (see Abdallah, M. A.) A **62,** 012711
Wong, K. — (see Kasperovich, V.) A **62,** 063201
Wong, T., Özgür Müstecaplıoğlu, L. You, and Maciej Lewenstein — Scattering of short laser pulses from trapped fermions. A **62,** 033608
Wonneberger, W. — (see Gleisberg, F.) A **62,** 063602
Woodard, R. P. — Canonical formalism for Lagrangians with nonlocality of finite extent. A **62,** 052105
Wright, J. D. — (see Jensen, R. V.) A **62,** 053410
Wu, Ying and Xiaoxue Yang — Output rate of atom lasers in a Raman-type output-coupling scheme. A **62,** 013603
_____ **, Xiaoxue Yang, and Changpu Sun** — Systematic method to study the general structure of Bose-Einstein condensates with arbitrary spin. A **62,** 063603
Wu, Zuo-Bing and Jin-Yan Zeng — Dynamical symmetry of screened Coulomb potential and isotropic harmonic oscillator. A **62,** 032509
Wuilleumier, F. J. — (see Cheng, W. T.) A **62,** 062509
Wunderlich, Christof, Hartmut Figger, and Theodor W. Hänsch — Tunneling through light-induced molecular potentials in Ar_2^+. A **62,** 023401
Wyart, Jean-François — (see Kuba, Jaroslav) A **62,** 043808
Wynveen, A., A. Setty, A. Howard, J. W. Halley, and C. E. Campbell — Identical particle scattering from a weakly coupled Bose-Einstein condensed gas. A **62,** 023602

Xiao, Min — (see Montes, F. A.) A **62,** 023818
Xie, Changde — (see Zhang, Yun) A **62,** 023813
Xu, Bo-Wei, Guo-Hui Ding, and Fan-Mei Kong — Nonspreading coherent states for the hydrogen atom. A **62,** 022106
Xu, J. — (see Moxom, J.) A **62,** 052708
Xu, Ya-Qiong, Yi-Zhi Qu, Xiang-Hui Zhang, and Jia-Ming Li — Theoretical study of dielectronic recombination between electrons and heliumlike carbon ions. A **62,** 022715
Xu, Zhizhan — (see Wang, Yingsong) A **62,** 063806
Xuan, Y. — (see Chang, H. C.) A **62,** 013816

Yabana, K. — (see Nagano, R.) A **62,** 062721
Yablonovitch, Eli — (see Vrijen, Rutger) A **62,** 012306
Yabu, H. — (see Miyakawa, T.) A **62,** 063613
Yabuzaki, Tsutomu — (see Ishikawa, Kiyoshi) A **62,** 065401(BR)
Yamamoto, Y. — (see Tassone, F.) A **62,** 063809
Yamani, H. A., M. S. Abdelmonem, and A. D. Al-Haidari — Extracting density information from finite Hamiltonian matrices. A **62,** 052103
Yamashita, Makoto, Masato Koashi, Tetsuya Mukai, Masaharu Mitsunaga, and Nobuyuki Imoto — Dynamics of evaporative cooling in magnetically trapped atomic hydrogen. A **62,** 033602
_____ (see Mitsunaga, Masaharu) A **62,** 013817
Yan, Zong-Chao — Polarizabilities of the Rydberg states of helium. A **62,** 052502
_____ **, Jiong-Ming Zhu, and Bing-Lu Zhou** — Polarizabilities of heliumlike ions in the $1s2p\ ^1P$ and $1s2p\ ^3P$ states. A **62,** 034501(BR)
_____ (see Ho, Y. K.) A **62,** 052503
Yang, J. — (see Vijayalakshmi, K.) A **62,** 053408
Yang, Jinlong — (see Deng, Ke) A **62,** 045201(BR)
Yang, Shuangbo and Michael E. Kellman — Direct trajectory method for semiclassical wave functions. A **62,** 022105
Yang, Xiaodong — (see Wang, Yingsong) A **62,** 063806
Yang, Xiaoxue — (see Wu, Ying) A **62,** 013603
_____ (see Wu, Ying) A **62,** 063603
Yang, Yaping and Shi-Yao Zhu — Spontaneous emission from a two-level atom in a three-dimensional photonic crystal. A **62,** 013805
Yashchuk, V. V. — (see Budker, D.) A **62,** 043403
Ye, Jun — (see Hall, John L.) A **62,** 013815
Yeazell, John A. — (see Howell, John C.) A **62,** 012102
_____ (see Howell, John C.) A **62,** 032311
_____ (see Howell, John C.) A **62,** 042303
Yelkhovsky, Alexander — (see Czarnecki, Andrzej) A **62,** 059902(E)
Yeo, Y. — (see Kwek, L. C.) A **62,** 052313
Yerokhin, V. A. — Loop-after-loop contribution to the second-order Lamb shift in hydrogenlike low-Z atoms. A **62,** 012508
_____ **, V. M. Shabaev, T. Beier, and J. Eichler** — Interelectronic-interaction effect on the radiative recombination of an electron with a heavy He-like ion. A **62,** 042712
_____ (see Artemyev, A. N.) A **62,** 022116
Yi, X. X. and G. C. Guo — Distillability of two entanglement particles transmitted through a noisy channel. A **62,** 062312
_____ **, C. Li, and J. C. Su** — Perturbative expansion for the master equation and its applications. A **62,** 013819
Yi, Xue-xi — (see Wang, Hai-jun) A **62,** 023601
Yoshida, H. — (see Saito, N.) A **62,** 042503
Yoshida, S., C. O. Reinhold, P. Kristöfel, and J. Burgdörfer — Exponential and nonexponential localization of the one-dimensional periodically kicked Rydberg atom. A **62,** 023408
_____ (see Tannian, B. E.) A **62,** 043402
You, L. and M. S. Chapman — Quantum entanglement using trapped atomic spins. A **62,** 052302
_____ (see Müstecaplioğlu, Özgür E.) A **62,** 063615
_____ (see Wong, T.) A **62,** 033608
Youn, Sun-Hyun — (see An, Kyungwon) A **62,** 023819
Young, Y. E., R. Ejnisman, J. P. Shaffer, and N. P. Bigelow — Heteronuclear hyperfine-state-changing cold collisions. A **62,** 055403(BR)
Yu, J-Z. — (see Wang, Q.) A **62,** 063203
Yu, Sixia — Positive maps that are not completely positive. A **62,** 024302(BR)
Yuan, Jianmin — (see Zeng, Jiaolong) A **62,** 022713
Yuan, Lanfeng — (see Deng, Ke) A **62,** 045201(BR)
Yurovsky, V. A., A. Ben-Reuven, P. S. Julienne, and C. J. Williams — Atom loss and the formation of a molecular Bose-Einstein condensate by Feshbach resonance. A **62,** 043605

Zaccaria, F. — (see Man'ko, V.) A **62,** 053407
Zadkov, V. N. — (see Grishanin, B. A.) A **62,** 032303
Zagury, N. — (see Solano, E.) A **62,** 021401(R)
Zaharakis, K. E. — (see Watson, R. L.) A **62,** 052709
Zajfman, D. — (see Bhushan, K. G.) A **62,** 012504
_____ (see Krohn, S.) A **62,** 032713
Żakowicz, Władysław and Maciej Janowicz — Spontaneous emission in the presence of a dielectric cylinder. A **62,** 013820
Zalka, Christof — Using Grover's quantum algorithm for searching actual databases. A **62,** 052305
_____ (see Zanardi, Paolo) A **62,** 030301(R)
Zambrini, Roberta, Miguel Hoyuelos, Alessandra Gatti, Pere Colet, Luigi Lugiato, and Maxi San Miguel — Quantum fluctuations in a continuous vectorial Kerr medium model. A **62,** 063801
Zanardi, Paolo, Christof Zalka, and Lara Faoro — Entangling power of quantum evolutions. A **62,** 030301(R)
Zanasi, Riccardo — (see Viglione, Rosario G.) A **62,** 052516
Zapata, J. — (see Prataviera, G. A.) A **62,** 023605
Zaremba, E. — (see Bijlsma, M. J.) A **62,** 063609
Zebarjad, S. M. — (see Hoang, A. H.) A **62,** 012109
Zehnlé, V. — Theoretical model for coupled solid-state lasers. A **62,** 033814
Zeilinger, A. — (see Bernet, S.) A **62,** 023606
Zemmouri, Jaouad — (see Debut, Alexis) A **62,** 023803
Zeng, Heping and Sing Hai Tang — Macroscopic quantum states of a trapped ion. A **62,** 045402(BR)
Zeng, Jiaolong, Jianmin Yuan, and Qisheng Lu — Photodetachments of the metastable $nsnp^2\ ^4P$ states of Be^-, Mg^-, and Ca^- ions. A **62,** 022713
Zeng, Jin-Yan — (see Wu, Zuo-Bing) A **62,** 032509
Zhang, Chuan-Wei, Chuan-Feng Li, Zi-Yang Wang, and Guang-Can Guo — Probabilistic quantum cloning via Greenberger-Horne-Zeilinger states. A **62,** 042302
Zhang, Jing and Kunchi Peng — Quantum teleportation and dense coding by means of bright amplitude-squeezed light and direct measurement of a Bell state. A **62,** 064302(BR)
Zhang, Weiping — (see Marzlin, Karl-Peter) A **62,** 013602
Zhang, Xiang-Hui — (see Xu, Ya-Qiong) A **62,** 022715
Zhang, Yongde — (see Huang, Minxin) A **62,** 052106
Zhang, Yun, Hai Wang, Xiaoying Li, Jietai Jing, Changde Xie, and Kunchi Peng — Experimental generation of bright two-mode quadrature squeezed light from a narrow-band nondegenerate optical parametric amplifier. A **62,** 023813
Zhao, Li-Bo, Akira Ichihara, and Toshizo Shirai — Photorecombination of C^{4+} ions in low-lying resonance energy regions. A **62,** 022706
Zhao, W. Z. — (see Grossman, J. M.) A **62,** 052507
Zhao, X. — (see Crane, S. G.) A **62,** 011402(R)
Zhao, Z. X., A. Igarashi, and C. D. Lin — Hyperspherical calculations of $H(1s)+\mu^+$ rearrangement collision cross sections from threshold to 2 eV. A **62,** 042706
Zheng, Shi-Biao, Xi-Wen Zhu, and Mang Feng — Motional quantum-state engineering and measurement in the strong-excitation regime. A **62,** 033807
_____ **, Xi-Wen Zhu, Mang Feng, and Lei Shi** — Scheme for direct measurement of the Weyl characteristic function for the motion of a trapped ion. A **62,** 035801(BR)
Zhislina, V. G. — (see Abraham, N. B.) A **62,** 013810
Zhou, Bing-Lu — (see Yan, Zong-Chao) A **62,** 034501(BR)
Zhou, H. L., S. T. Manson, P. Faucher, and L. Vo Ky — Analysis of $2l2l'n''l''$ resonances in the photoionization of $1s^22p$ excited lithium. A **62,** 012707
Zhou, Shanyu — (see Long, Quan) A **62,** 023406
Zhou, Shuyu — (see Long, Quan) A **62,** 023406
Zhou, Xinlan, Debbie W. Leung, and Isaac L. Chuang — Methodology for quantum logic gate construction. A **62,** 052316
Zhu, Jiong-Ming — (see Yan, Zong-Chao) A **62,** 034501(BR)
Zhu, Qingshi — (see Deng, Ke) A **62,** 045201(BR)
Zhu, Shi-Yao — (see Ghafoor, Fazal) A **62,** 013811
_____ (see Ikram, Manzoor) A **62,** 022307
_____ (see Yang, Yaping) A **62,** 013805

Zhu, Xi-Wen — (see Zheng, Shi-Biao) A **62,** 033807
____ (see Zheng, Shi-Biao) A **62,** 035801(BR)
Ziegler, K. — Condensation of a hard-core Bose gas. A **62,** 023611
Zigler, A. — (see Doron, R.) A **62,** 052508
Ziman, Mário and Vladimír Bužek — Equally distant, partially entangled alphabet states for quantum channels. A **62,** 052301
Zimmermann, C. — (see Gleisberg, F.) A **62,** 063602
Zimmermann, P. — (see Kanngießer, B.) A **62,** 014702(BR)
____ (see von dem Borne, A.) A **62,** 052703
Žitnik, M. — (see Pelicon, P.) A **62,** 022704
Zloh, Gabriela — (see Cionga, Aurelia) A **62,** 063406
Zmeskal, J. — (see Gartner, B.) A **62,** 012501
Zoller, P. — (see Duan, Lu-Ming) A **62,** 032304
____ (see Gardiner, S. A.) A **62,** 023612
Zolotorev, M. — (see Budker, D.) A **62,** 043403
Zong, W. — (see Djurić, N.) A **62,** 032702
____ (see Larson, Å.) A **62,** 042707
Zope, R. R. — (see Deshpande, M.) A **62,** 063202
Zope, Rajendra R. — Momentum-space properties of atoms: Application of the generalized-gradient approximation. A **62,** 064501(BR)
Zou, Yu and C. Froese Fischer — Multiconfiguration Dirac-Hartree-Fock optimization strategies for $3s^2\,{}^1S_0-3s3p\,{}^3P_1$ transition rates for Al^+-S^{4+}. A **62,** 062505
Zoubi, Hashem, Meir Orenstien, and Amiram Ron — Coupled microcavities with dissipation. A **62,** 033801
Zubairy, M. Suhail — (see Ghafoor, Fazal) A **62,** 013811
____ (see Ikram, Manzoor) A **62,** 022307
Żukowski, Marek — Bell theorem for the nonclassical part of the quantum teleportation process. A **62,** 032101
Zurek, Wojciech H. — (see Dalvit, Diego A. R.) A **62,** 013607
Zwerger, W. — (see Stießberger, J. S.) A **62,** 061601(R)
Zygelman, B. — (see Jamieson, M. J.) A **62,** 069902(E)
Żywicka-Możejko, Bożena — (see Szmytkowski, Radosław) A **62,** 022104