PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 0163-1829)

PERIODICALS
Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 66, NUMBER 8 *CONTENTS* 15 AUGUST 2002-II

RAPID COMMUNICATIONS

Electronic structure: wide-band, narrow-band, and strongly correlated systems

Finite-size scaling for Mott metal-insulator transition on a half filled nonpartite lattice *(4 pages)* ..... 081101(R)
J. X. Wang and Sabre Kais

Ultrafast switching of photonic density of states in photonic crystals *(4 pages)* ..... 081102(R)
Patrick M. Johnson, A. Femius Koenderink, and Willem. L. Vos

Competition and coexistence of bond and charge orders in $(TMTTF)_2AsF_6$ *(4 pages)* ..... 081103(R)
F. Zamborszky, W. Yu, W. Raas, S. E. Brown, B. Alavi, C. A. Merlic, and A. Baur

Nature of insulating state in NaV_2O_5 above charge-ordering transition:
A cluster dynamical mean-field study *(4 pages)* ..... 081104(R)
V. V. Mazurenko, A. I. Lichtenstein, M. I. Katsnelson, I. Dasgupta, T. Saha-Dasgupta, and V. I. Anisimov

Frequency-dependent electrical transport under intense terahertz radiation *(4 pages)* ..... 081105(R)
C. Zhang

Pressure and composition dependence of the electronic structure of $GaAs_{1-x}N_x$ *(4 pages)* ..... 081106(R)
I. Gorczyca, C. Skierbiszewski, T. Suski, N. E. Christensen, and A. Svane

Landau theory of the Fermi-liquid to electron-glass transition *(4 pages)* ..... 081107(R)
Denis Dalidovich and V. Dobrosavljević

Correlation energies of inhomogeneous many-electron systems *(4 pages)* ..... 081108(R)
John F. Dobson, Jun Wang, and Tim Gould

Semiconductors I: bulk

Magneto-optical studies of ferromagnetism in the II-VI diluted magnetic semiconductor $Zn_{1-x}Cr_xTe$ *(4 pages)* ..... 081201(R)
H. Saito, V. Zayets, S. Yamagata, and K. Ando

Femtosecond-scale response of GaAs to ultrafast laser pulses *(4 pages)* ..... 081202(R)
Traian Dumitrică and Roland E. Allen

Nonequilibrium polariton dynamics in organic microcavities *(4 pages)* ..... 081203(R)
P. Schouwink, J. M. Lupton, H. von Berlepsch, L. Dähne, and R. F. Mahrt

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Wrapping current versus bulk integer quantum Hall effect in three dimensions *(4 pages)* ..... 081301(R)
Mikito Koshino, Hideo Aoki, and Bertrand I. Halperin

Quantum dots as a photon source for passive quantum key encoding *(4 pages)* ..... 081302(R)
R. M. Stevenson, R. M. Thompson, A. J. Shields, I. Farrer, B. E. Kardynal, D. A. Ritchie, and M. Pepper

Copyright 2002 by The American Physical Society

0163-1829(20020815)66:8;1-0

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Two-dimensional alloying on Si(111) surface: An *ab initio* study *(4 pages)* . . . . . 081303(R)
G. Profeta, L. Ottaviano, S. Santucci, and A. Continenza
Electrical spin injection from ferromagnetic MnAs metal layers into GaAs *(4 pages)* . . . . . 081304(R)
M. Ramsteiner, H. Y. Hao, A. Kawaharazuka, H. J. Zhu, M. Kästner, R. Hey, L. Däweritz, H. T. Grahn, and K. H. Ploog
Stranski-Krastanow transition and epitaxial island growth *(4 pages)* . . . . . 081305(R)
A.G. Cullis, D.J. Norris, T. Walther, M.A. Migliorato, and M. Hopkinson
Rabi oscillations in the excitonic ground-state transition of InGaAs quantum dots *(4 pages)* . . . . . 081306(R)
P. Borri, W. Langbein, S. Schneider, U. Woggon, R. L. Sellin, D. Ouyang, and D. Bimberg
Coherent coupling dynamics in a quantum-dot microdisk laser *(4 pages)* . . . . . 081307(R)
D. K. Young, L. Zhang, D. D. Awschalom, and E. L. Hu
Energy relaxation in quantum dots *(4 pages)* . . . . . 081308(R)
O. Verzelen, G. Bastard, and R. Ferreira
Polarized excitons in nanorings and the optical Aharonov-Bohm effect *(4 pages)* . . . . . 081309(R)
A. O. Govorov, S. E. Ulloa, K. Karrai, and R. J. Warburton
Fine structure of trions and excitons in single GaAs quantum dots *(4 pages)* . . . . . 081310(R)
J. G. Tischler, A. S. Bracker, D. Gammon, and D. Park
Quantum oscillations of spin current through a III-V semiconductor loop *(4 pages)* . . . . . 081311(R)
A. G. Mal'shukov, V. V. Shlyapin, and K. A. Chao

Surface physics, low-dimensional systems, and related topics

Enhancing T_c in field-doped fullerenes by applying uniaxial stress *(3 pages)* . . . . . 081401(R)
Erik Koch
Stability of the polar surfaces of ZnO: A reinvestigation using He-atom scattering *(3 pages)* . . . . . 081402(R)
M. Kunat, St. Gil Girol, Th. Becker, U. Burghaus, and Ch. Wöll
Catalytic decomposition of acetylene on Fe(001): A first-principles study *(4 pages)* . . . . . 081403(R)
Gun-Do Lee, Seungwu Han, Jaejun Yu, and Jisoon Ihm
Charge fluctuations and the tunneling spectra of nonmagnetic metallic nanoparticles *(4 pages)* . . . . . 081404(R)
Gustavo A. Narvaez and George Kirczenow
Adsorption-induced restructuring of gold nanochains *(4 pages)* . . . . . 081405(R)
S. R. Bahn, N. Lopez, J. K. Nørskov, and K. W. Jacobsen

ARTICLES

Electronic structure: wide-band, narrow-band, and strongly correlated systems

Single-particle spectral weight of a ferromagnetic polymer chain: Cluster perturbation theory *(6 pages)* 085101
W. Z. Wang, Bambi Hu, and K. L. Yao
Lower and upper bounds to photonic band gap edges *(5 pages)* 085102
S. R. Vatsya and S. K. Nikumb
Light-induced absorption changes by excitation of metastable states in $Na_2[Fe(CN)_5NO]2H_2O$ single crystals *(10 pages)* 085103
D. Schaniel, J. Schefer, B. Delley, M. Imlau, and Th. Woike
High-momentum components and temperature dependence of the Compton profile of beryllium *(8 pages)* 085104
S. Huotari, K. Hämäläinen, S. Manninen, C. Sternemann, A. Kaprolat, W. Schülke, and T. Buslaps
Interference effects, universal fluctuations, and crossing phenomena in the intermediate coupling regime: Strongly interacting transport *(13 pages)* 085105
Lin Yi and Jian-Sheng Wang

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Structural, transport, and electronic properties of a layered dichalcogenide $AuVS_2$ with semimetallic properties *(7 pages)* 085106
Andrea Gauzzi, Edi Gilioli, Francesca Licci, Massimo Marezio, Gianluca Calestani, Cesare Franchini, and Sandro Massidda

Overall rectification and second harmonic generation of space charge waves *(10 pages)* 085107
M. P. Petrov, V. V. Bryksin, H. Vogt, F. Rahe, and E. Krätzig

Characteristics of electromagnetic wave propagation in uniaxially anisotropic left-handed materials *(7 pages)* 085108
Liangbin Hu and S. T. Chui

Charge instabilities in the ionic model of metal oxides: Importance of polarization energy *(10 pages)* 085109
Gertjan Koster, Theodore H. Geballe, and Boris Moyzhes

Electronic structure and isomer shifts of neptunium compounds *(8 pages)* 085110
A. Svane, L. Petit, W. M. Temmerman, and Z. Szotek

Calculation of the dielectric function in a local representation *(8 pages)* 085111
S. Brodersen, D. Lukas, and W. Schattke

Two-hole and four-hole bound states in a *t*-J ladder at half-filling *(12 pages)* 085112
Weihong Zheng and C. J. Hamer

First-principles elastic and structural properties of uranium metal *(7 pages)* 085113
Per Söderlind

Exact solution of the Bariev model for correlated hopping with hard-core repulsion *(8 pages)* 085114
Rui-hong Yue and P. Schlottmann

Site-specific valence-band photoemission study of α-Fe_2O_3 *(4 pages)* 085115
C.-Y. Kim, M. J. Bedzyk, E. J. Nelson, J. C. Woicik, and L. E. Berman

Quasiparticle properties of a simple metal at high electron temperatures *(9 pages)* 085116
Lorin X. Benedict, Catalin D. Spataru, and Steven G. Louie

Pressure dependence of phase transitions in the quasi-one-dimensional metal-insulator transition system β-$Na_{1/3}V_2O_5$ *(5 pages)* 085117
G. Obermeier, D. Ciesla, S. Klimm, and S. Horn

Polarization of Bloch electrons and Berry phase in the presence of electromagnetic fields *(8 pages)* 085118
Jun Goryo and Mahito Kohmoto

Local symmetry breaking in paramagnetic insulating $(Al,V)_2O_3$ *(8 pages)* 085119
P. Pfalzer, J. Will, A. Nateprov, Jr., M. Klemm, V. Eyert, S. Horn, A. I. Frenkel, S. Calvin, and M. L. denBoer

Extended dynamical mean-field theory and *GW* method *(20 pages)* 085120
Ping Sun and Gabriel Kotliar

Thermoelectric properties of the semimetallic Heusler compounds $Fe_{2-x}V_{1+x}M$ (M=Al, Ga) *(5 pages)* 085121
C. S. Lue and Y.-K. Kuo

Semiconductors I: bulk

Dispersion-related description of temperature dependencies of band gaps in semiconductors *(18 pages)* 085201
Roland Pässler

Doping-dependent studies of the Anderson-Mott localization in polyaniline at the metal-insulator boundary *(8 pages)* 085202
G. Tzamalis, N. A. Zaidi, C. C. Homes, and A. P. Monkman

Photoluminescence from $ZnS_{1-x}Te_x$ alloys under hydrostatic pressure *(6 pages)* 085203
Z. L. Fang, G. H. Li, N. Z. Liu, Z. M. Zhu, H. X. Han, K. Ding, W. K. Ge, and I. K. Sou

Impurity-induced magnetism in $Pb_{1-x-y}Ge_xYb_yTe$ *(5 pages)* 085204
E. P. Skipetrov, N. A. Chernova, and E. I. Slyn'ko

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Temperature-dependent quasiparticle band structure of the ferromagnetic semiconductor EuS *(9 pages)* 085205
W. Müller and W. Nolting
Ultrafast dynamics in phosphorus-implanted silicon wafers: The effects of annealing *(10 pages)* 085206
Andreas Othonos and Constantinos Christofides
Spin waves in disordered III-V diluted magnetic semiconductors by a modified RPA approach *(13 pages)* 085207
Mona Berciu and R. N. Bhatt
Interchain charge transport in disordered π-conjugated chain systems *(6 pages)* 085208
Åsa Johansson and Sven Stafström
Role of photonic crystals used in laser acceleration and in the free electron laser *(8 pages)* 085209
Syuichi Yamaguti, Jun-ichi Inoue, and Kazuo Ohtaka
Ab initio studies of structural and electronic properties of solid indium selenide under pressure *(6 pages)* 085210
G. Ferlat, H. Xu, V. Timoshevskii, and X. Blase

Semiconductors II: surfaces, interfaces, microstructures, and related topics

Interlayer Hall effect in double quantum wells subject to in-plane magnetic fields *(7 pages)* 085301
J. Kolorenč, L. Smrčka, and P. Středa
Resonant generation of difference harmonics due to intersubband transitions in a biased superlattice *(6 pages)* 085302
A.V. Korovin, F.T. Vasko, and V.V. Mitin
Shape of atomic steps on Si(111) under localized stress *(5 pages)* 085303
Hiroo Omi, David J. Bottomley, Yoshikazu Homma, Toshio Ogino, Stoyan Stoyanov, and Vesselin Tonchev
Polariton dynamics and Bose-Einstein condensation in semiconductor microcavities *(11 pages)* 085304
D. Porras, C. Ciuti, J. J. Baumberg, and C. Tejedor
Ge growth on GaAs(001) surfaces studied by reflectance anisotropy spectroscopy *(7 pages)* 085305
V. Emiliani, A. M. Frisch, C. Goletti, N. Esser, W. Richter, and B. O. Fimland
Probing spin states of coupled quantum dots by a dc Josephson current *(5 pages)* 085306
Yu Zhu, Qing-feng Sun, and Tsung-han Lin
Magnetic field dependence of terahertz emission from an optically excited GaAs *p-i-n* diode *(8 pages)* 085307
S. R. Andrews, A. Armitage, P. G. Huggard, C. J. Shaw, G. P. Moore, and R. Grey
Dynamics of the far-infrared photoresponse in quantum Hall systems *(7 pages)* 085308
N. G. Kalugin, Yu. B. Vasilyev, S. D. Suchalkin, G. Nachtwei, B. E. Sagol, and K. Eberl
Density-functional study of the stabilization of the Si(001) dimer vacancy by Ni *(6 pages)* 085309
Andrew Horsfield, Elena Akhmatskaya, Ross Nobes, Jan Andzelm, George Fitzgerald, and Niranjan Govind
Exciton states and optical transitions in colloidal CdS quantum dots: Shape and dielectric mismatch effects *(13 pages)* 085310
V. A. Fonoberov, E. P. Pokatilov, and A. A. Balandin
Tunneling current through a quantum dot with strong electron-phonon interaction *(5 pages)* 085311
David M.-T. Kuo and Y. C. Chang
Strain-induced semimetal-semiconductor transition in InAs/GaSb broken-gap quantum wells *(7 pages)* 085312
A. Zakharova, S. T. Yen, and K. A. Chao
Band-gap energy of $In_xGa_{1-x}N_yAs_{1-y}$ as a function of N content *(5 pages)* 085313
J.-Y. Duboz, J. A. Gupta, Z. R. Wasilewski, J. Ramsey, R. L. Williams, G. C. Aers, B. J. Riel, and G. I. Sproule
Effects of exciton–acoustic-phonon scattering on optical line shapes and exciton dephasing in semiconductors and semiconductor quantum wells *(14 pages)* 085314
S. Rudin and T. L. Reinecke

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Perturbative expansion of the magnetization in the out-of-equilibrium Kondo model *(14 pages)* 085315
O. Parcollet and C. Hooley

Atomic depth distribution and effects of surfactants in growth of Ag and Au on Si(111)-$\sqrt{3}\times\sqrt{3}$-Ga(1ML), -4×1-In and $-2\sqrt{3}\times2\sqrt{3}$-Sn surfaces at room temperature *(7 pages)* 085316
T. Yamanaka and S. Ino

Resonance Raman scattering in semiconductor quantum dots: Adiabatic versus time-dependent perturbation theory *(8 pages)* 085317
E. Menéndez-Proupin and Nana Cabo-Bisset

Self-consistent random-phase approximation for interacting electrons in quantum wells and intersubband absorption *(11 pages)* 085318
Sergey V. Faleev and Mark I. Stockman

Luminescence from β-$FeSi_2$ precipitates in Si. I. Morphology and epitaxial relationship *(10 pages)* 085319
M. G. Grimaldi, C. Bongiorno, C. Spinella, E. Grilli, L. Martinelli, M. Gemelli, D. B. Migas, Leo Miglio, and M. Fanciulli

Luminescence from β-$FeSi_2$ precipitates in Si. II: Origin and nature of the photoluminescence *(9 pages)* 085320
L. Martinelli, E. Grilli, D. B. Migas, Leo Miglio, F. Marabelli, C. Soci, M. Geddo, M. G. Grimaldi, and C. Spinella

Effect of overgrowth on shape, composition, and strain of SiGe islands on Si(001) *(8 pages)* 085321
A. Hesse, J. Stangl, V. Holý, T. Roch, G. Bauer, O.G. Schmidt, U. Denker, and B. Struth

Conductance of open quantum billiards and classical trajectories *(13 pages)* 085322
R. G. Nazmitdinov, K. N. Pichugin, I. Rotter, and P. Šeba

Effects of exchange and electron correlation on conductance and nanomagnetism in ballistic semiconductor quantum point contacts *(7 pages)* 085323
K. -F. Berggren and I. I. Yakimenko

Diffusion and nucleation of yttrium atoms on Si(111)7×7: A growth model *(7 pages)* 085324
C. Polop, E. Vasco, J. A. Martín-Gago, and J. L. Sacedón

Nonperturbative electron dynamics in crossed fields *(10 pages)* 085325
J. M. Villas-Bôas, Wei Zhang, Sergio E. Ulloa, P. H. Rivera, and Nelson Studart

Gain in quantum cascade lasers and superlattices: A quantum transport theory *(7 pages)* 085326
Andreas Wacker

Dynamics of step fluctuations on a chemically heterogeneous surface of Al/Si(111)-($\sqrt{3}\times\sqrt{3}$) *(5 pages)* 085327
I. Lyubinetsky, D. B. Dougherty, T. L. Einstein, and E. D. Williams

Band structure of a periodic quantum wire array *(10 pages)* 085328
Yisong Zheng and Tsuneya Ando

Electronic structure of the Si(111)$\sqrt{3}\times\sqrt{3}R30°$-B surface *(8 pages)* 085329
H. Q. Shi, M. W. Radny, and P. V. Smith

Structure of [0001] tilt boundaries in GaN obtained by simulation with empirical potentials *(7 pages)* 085330
Antoine Béré and Anna Serra

Defect states in red-emitting $In_xAl_{1-x}As$ quantum dots *(7 pages)* 085331
R. Leon, J. Ibáñez, S. Marcinkevičius, J. Siegert, T. Paskova, B. Monemar, S. Chaparro, C. Navarro, S. R. Johnson, and Y.-H. Zhang

Electron transport through a parallel double-dot system in the presence of Aharonov-Bohm flux and phonon scattering *(13 pages)* 085332
Lev G. Mourokh, Norman J. M. Horing, and Anatoly Yu. Smirnov

Local adsorption geometry of acetylene on Si(100)(2×1): Multiple sites and the role of substrate temperature *(15 pages)* 085333
R. Terborg, M. Polcik, J. T. Hoeft, M. Kittel, D. I. Sayago, R. L. Toomes, and D. P. Woodruff

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Interplay of surface reconstruction and surface electric fields in the optical anisotropy of GaAs(001) *(6 pages)* 085334
W. G. Schmidt, F. Bechstedt, W. Lu, and J. Bernholc

Atomic geometry and the probability distribution of self-assembled Cs nanowires at the InAs(110) surface *(7 pages)* 085335
Maria Grazia Betti, Valdis Corradini, M. Sauvage-Simkin, and R. Pinchaux

Structures for interacting composite fermions: Stripes, bubbles, and fractional quantum Hall effect *(13 pages)* 085336
Seung-Yeop Lee, Vito W. Scarola, and J.K. Jain

Effect of quantum confinement on exciton-phonon interactions *(5 pages)* 085337
Hui Zhao, Sven Wachter, and Heinz Kalt

Fate of the superradiant mode in a resonant Bragg reflector *(13 pages)* 085338
Tomoe Ikawa and Kikuo Cho

Surface physics, low-dimensional systems, and related topics

Sum-frequency spectroscopic studies of ice interfaces *(13 pages)* 085401
Xing Wei, Paulo B. Miranda, Chun Zhang, and Y. R. Shen

Evolution of geometric and electronic structure in ultrathin In films on Cu(001) *(18 pages)* 085402
T. Nakagawa, S. Mitsushima, H. Okuyama, M. Nishijima, and T. Aruga

Real-time XPS investigation of the impact-energy dependence of C_2H_4 adsorption on Ag(100) *(5 pages)* 085403
L. Vattuone, L. Savio, M. Rocca, L. Rumiz, A. Baraldi, S. Lizzit, and G. Comelli

Microstructure evolution and thermal properties in nanocrystalline Cu during mechanical attrition *(8 pages)* 085404
Y. H. Zhao, K. Lu, and K. Zhang

Low-temperature magnetoresistance of individual single-walled carbon nanotubes: A numerical study *(6 pages)* 085405
Zhenhua Zhang, Jingcui Peng, Xiaoyi Huang, and Hua Zhang

Energetics of the formation of dimers and solids of boron nitride fullerenes *(5 pages)* 085406
Simone S. Alexandre, R. W. Nunes, and H. Chacham

First-principles calculation of Li adatom structures on the Mo(112) surface *(8 pages)* 085407
A. Kiejna and R. M. Nieminen

Melting behavior in ultrathin metallic nanowires *(5 pages)* 085408
Jinlan Wang, Xiaoshuang Chen, Guanghou Wang, Baolin Wang, Wei Lu, and Jijun Zhao

Electron scattering in multiwall carbon nanotubes *(6 pages)* 085409
Rochus Klesse

Magnetism of iron clusters embedded in cobalt *(5 pages)* 085410
Yuannan Xie and John A. Blackman

Reflection electron energy loss spectrum of surface plasmon excitation of Ag: A Monte Carlo study *(7 pages)* 085411
Z. J. Ding, H. M. Li, Q. R. Pu, Z. M. Zhang, and R. Shimizu

Chemical ordering in the first stages of Co-Pt film growth on Pt(111) *(7 pages)* 085412
M. De Santis, R. Baudoing-Savois, P. Dolle, and M. C. Saint-Lager

Ballistic conduction through Shockley surface states *(9 pages)* 085413
Katsuyoshi Kobayashi

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 66, NUMBER 8** **15 AUGUST 2002-II**

Selective adsorption and structure formation of N_2 on the nanostructured Cu-CuO stripe phase *(11 pages)* 085414
P. Zeppenfeld, V. Diercks, R. David, F. Picaud, C. Ramseyer, and C. Girardet
Sputtering of Ag atoms into metastable excited states *(12 pages)* 085415
C. Staudt, A. Wucher, J. Bastiaansen, V. Philipsen, E. Vandeweert, P. Lievens, R. E. Silverans, and Z. Sroubek
Intrinsic dissipation in high-frequency micromechanical resonators *(15 pages)* 085416
P. Mohanty, D. A. Harrington, K. L. Ekinci, Y. T. Yang, M. J. Murphy, and M. L. Roukes
Microscopic mechanisms of stabilization of polar oxide surfaces: Transition metals on the MgO(111) surface *(9 pages)* 085417
Jacek Goniakowski and Claudine Noguera
Calibration of the length of a chain of single gold atoms *(6 pages)* 085418
C. Untiedt, A. I. Yanson, R. Grande, G. Rubio-Bollinger, N. Agraït, S. Vieira, and J.M. van Ruitenbeek
$SrTiO_3$/MgO(001) and MgO/$SrTiO_3$(001) systems: Energetics and stresses *(8 pages)* 085419
C. Cheng, K. Kunc, G. Kresse, and J. Hafner
Friction anisotropy at Ni(100)/(100) interfaces: Molecular dynamics studies *(7 pages)* 085420
Yue Qi, Yang-Tse Cheng, Tahir Çağin, and William A. Goddard, III
Plasmon resonance shifts in oxide-coated silver nanoparticles *(7 pages)* 085421
K. Chatterjee, S. Banerjee, and D. Chakravorty
Optimization of geometrical structure and simulation of the spectra of third-order nonlinear optical polarizabilities in $C_{59}Si$ and $C_{58}Si_2$ heterofullerenes *(10 pages)* 085422
W.-D. Cheng, D.-S. Wu, H. Zhang, D.-G. Chen, and H.-X. Wang
Scanning tunneling microscopy study of polymerized carbon nanobells: Electronic effect and evidence of nitrogen incorporation *(5 pages)* 085423
Hai-Lin Sun, Jin-Feng Jia, Dingyong Zhong, Quan-Tong Shen, Mu Sun, Qi-Kun Xue, and E. G. Wang

COMMENTS

Comment on ‘‘Boson peak in amorphous silicon: A numerical study’’ *(2 pages)* 087201
S. M. Nakhmanson, D. A. Drabold, and N. Mousseau
Reply to ‘‘Comment on ‘Boson peak in amorphous silicon: A numerical study’ ’’ *(5 pages)* 087202
Frank Finkemeier and Wolfgang von Niessen

ERRATA

Erratum: Density-functional approach to electron dynamics: Stable simulation under a self-consistent field [Phys. Rev. B **59**, 2579 (1999)] *(1 page)* ..... 089901(E)
Osamu Sugino and Yoshiyuki Miyamoto

Cumulative Author Index i