

## BRIEF REPORTS

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

- Cluster-model calculation of hyperfine parameters for the  $\langle 100 \rangle$ -split  $[B-N]^+$  interstitial in diamond ..... 12 533  
Nobuhiko Ishii and Tatsuo Shimizu
- Optical nonlinearity enhancement through correlated microstructure ..... 12 536  
M. F. Law, Y. Gu, and K. W. Yu
- Temperature evolution of the 1.5-eV absorption band in doped manganites: Formation of Jahn-Teller clusters .... 12 540  
A. Machida, Y. Moritomo, and A. Nakamura
- Breakdown of the charge-ordered state in  $Nd_{0.5}Sr_{0.5}MnO_3$  ..... 12 543  
T. Mori
- Transport of localized and extended excitations in a nonlinear Anderson model ..... 12 547  
M. I. Molina
- Transmittance of subwavelength optical tunnel junctions ..... 12 551  
Christian Girard

### Semiconductors I: bulk

- Finite-temperature molecular-dynamics study of unstable stacking fault free energies in silicon ..... 12 555  
M. de Koning, A. Antonelli, Martin Z. Bazant, Efthimios Kaxiras, and J. F. Justo
- Thermal evolution of defects in H-implanted Si studied by monoenergetic positrons ..... 12 559  
M. Fujinami, R. Suzuki, T. Ohdaira, and T. Mikado
- Core reconstruction of the  $90^\circ$  partial dislocation in nonpolar semiconductors ..... 12 563  
R. W. Nunes, J. Bennetto, and David Vanderbilt
- Analysis of the fine structure of a  $^4T_1$  level of a  $d^5$  ion coupled to  $\varepsilon$  vibrational modes from the magnetic-field effect ..... 12 567  
D. Boulanger, R. Parrot, M. N. Diarra, U. W. Pohl, B. Litzenburger, and H. E. Gumlich
- Deep acceptors trapped at threading-edge dislocations in GaN ..... 12 571  
J. Elsner, R. Jones, M. I. Heggie, P. K. Sitch, M. Haugk, Th. Frauenheim, S. Öberg, and P. R. Briddon
- Piezoreflectance study of band-edge excitons of  $ReS_{2-x}Se_x$  single crystals ..... 12 575  
C. H. Ho, Y. S. Huang, P. C. Liao, and K. K. Tiong
- Pressure dependence of the direct band gap in tetrahedral semiconductors ..... 12 579  
M. D. Frogley, J. L. Sly, and D. J. Dunstan

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

- Molecular-dynamics studies on defect-formation processes during crystal growth of silicon from melt ..... 12 583  
Manabu Ishimaru, Shinji Munetoh, Teruaki Motooka, Koji Moriguchi, and Akira Shintani



|                                                                                                                                                  |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Disordering of Si(111) at high temperatures .....                                                                                                | 12 587 |
| H. Hibino, K. Sumitomo, T. Fukuda, Y. Homma, and T. Ogino                                                                                        |        |
| Electronic signature of the pentagonal rings in silicon clathrate phases: Comparison with cluster-assembled films .....                          | 12 590 |
| P. Mélinon, P. Kéghélian, X. Blase, J. Le Brusca, A. Perez, E. Reny, C. Cros, and M. Pouchard                                                    |        |
| Rate-equation analysis of transient photoconductivity for exponential localized-state distribution .....                                         | 12 594 |
| Serguei Grabtchak and Michael Cocivera                                                                                                           |        |
| Quantum Hall ferromagnet in a parabolic quantum wire .....                                                                                       | 12 597 |
| Yasuhiro Tokura                                                                                                                                  |        |
| Electronic structure of GaSb/GaAs quantum domes .....                                                                                            | 12 601 |
| S. M. North, P. R. Briddon, M. A. Cusack, and M. Jaros                                                                                           |        |
| Conductance fluctuations at the fractional quantum Hall plateau transitions .....                                                                | 12 605 |
| Hae-Young Kee, Yong Baek Kim, Elihu Abrahams, and R. N. Bhatt                                                                                    |        |
| Electron mobility in a GaAs/AlAs quantum well with a thin AlAs middle barrier .....                                                              | 12 609 |
| X. F. Wang, I. C. da Cunha Lima, and X. L. Lei                                                                                                   |        |
| Influence of higher harmonics on Poincaré maps derived from current self-oscillations in a semiconductor superlattice .....                      | 12 613 |
| K. J. Luo, H. T. Grahn, S. W. Teitsworth, and K. H. Ploog                                                                                        |        |
| Quantum electrodynamic treatment of photon-assisted tunneling .....                                                                              | 12 617 |
| C. L. Foden and D. M. Whittaker                                                                                                                  |        |
| Many-body correlations probed by plasmon-enhanced drag measurements in double-quantum-well structures .....                                      | 12 621 |
| H. Noh, S. Zelakiewicz, X. G. Feng, T. J. Gramila, L. N. Pfeiffer, and K. W. West                                                                |        |
| Unification of the time and temperature dependence of dangling-bond-defect creation and removal in amorphous-silicon thin-film transistors ..... | 12 625 |
| S. C. Deane, R. B. Wehrspohn, and M. J. Powell                                                                                                   |        |
| Two-photon-excited photoluminescence from porous silicon .....                                                                                   | 12 629 |
| J. Diener, Y. R. Shen, D. I. Kovalev, G. Polisski, and F. Koch                                                                                   |        |
| Resonant Raman scattering in InP/In <sub>0.48</sub> Ga <sub>0.52</sub> P quantum dot structures embedded in a waveguide .....                    | 12 633 |
| A. A. Sirenko, M. K. Zundel, T. Ruf, K. Eberl, and M. Cardona                                                                                    |        |
| Charged exciton dynamics in GaAs quantum wells .....                                                                                             | 12 637 |
| G. Finkelstein, V. Umansky, I. Bar-Joseph, V. Ciulin, S. Haacke, J.-D. Ganière, and B. Deveaud                                                   |        |
| Spectroscopic theoretical study of the atomic reconstruction of GaN (10 $\bar{1}$ 0) .....                                                       | 12 641 |
| Cecilia Noguez                                                                                                                                   |        |

### Surface physics, low-dimensional systems, and related topics

|                                                                                                                                            |        |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Simulation of STM images of three-dimensional surfaces and comparison with experimental data: Carbon nanotubes .....                       | 12 645 |
| Géza I. Márk, László P. Biró, and József Gyulai                                                                                            |        |
| Carbon nanotube caps as springs: Molecular dynamics simulations .....                                                                      | 12 649 |
| Nan Yao and Vincenzo Lordi                                                                                                                 |        |
| Low-temperature epitaxial growth of $\beta$ -SiC by multiple-energy ion implantation .....                                                 | 12 652 |
| Z. J. Zhang, H. Naramoto, A. Miyashita, B. Stritzker, and J. K. N. Lindner                                                                 |        |
| Structure of the Al(111)-( $\sqrt{3} \times \sqrt{3}$ )R30°-Cs phase .....                                                                 | 12 655 |
| M. M. Nielsen, J. Burchhardt, D. L. Adams, and J. N. Andersen                                                                              |        |
| Potassium-induced removal of the Ni(100)(2 $\times$ 2) <i>p</i> 4 <i>g</i> -N reconstruction determined by surface x-ray diffraction ..... | 12 659 |
| E. Dudzik, A. G. Norris, R. McGrath, G. Charlton, G. Thornton, B. Murphy, T. S. Turner, and D. Norman                                      |        |
| Formation mechanism of the O-induced added-row reconstruction on Ag(110): A low-temperature STM study .....                                | 12 663 |
| T. Zambelli, J. V. Barth, and J. Winterlin                                                                                                 |        |

|                                                                                              |        |
|----------------------------------------------------------------------------------------------|--------|
| Surface diffusion coefficients by thermodynamic integration: Cu on Cu(100) .....             | 12 667 |
| Ghyslain Boisvert, Normand Mousseau, and Laurent J. Lewis                                    |        |
| Relations between global and local topology in multiple nanotube junctions .....             | 12 671 |
| Vincent H. Crespi                                                                            |        |
| Bond-versus-site doping models for the off-chain-doped Haldane-gap system $Y_2BaNiO_5$ ..... | 12 672 |
| Jizhong Lou, Shaojin Qin, Zhaobin Su, and Lu Yu                                              |        |
| Origins of positronium emitted from $SiO_2$ .....                                            | 12 676 |
| Y. Nagashima, Y. Morinaka, T. Kurihara, Y. Nagai, T. Hyodo, T. Shidara, and K. Nakahara      |        |

## ARTICLES

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

|                                                                                                                                                                                                               |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Density-functional study of the magnetic and metal-insulator transition of bcc hydrogen .....                                                                                                                 | 12 680 |
| Bernd G. Pfrommer and Steven G. Louie                                                                                                                                                                         |        |
| Spectra and total energies from self-consistent many-body perturbation theory .....                                                                                                                           | 12 684 |
| Arno Schindlmayr, Thomas J. Pollehn, and R. W. Godby                                                                                                                                                          |        |
| Density-matrix renormalization using three classes of block states .....                                                                                                                                      | 12 691 |
| Marie-Bernadette Lepetit and G. M. Pastor                                                                                                                                                                     |        |
| Localizations in coupled electronic chains .....                                                                                                                                                              | 12 699 |
| Hiroyuki Mori                                                                                                                                                                                                 |        |
| Canonical purification of the density matrix in electronic-structure theory .....                                                                                                                             | 12 704 |
| Adam H. R. Palser and David E. Manolopoulos                                                                                                                                                                   |        |
| All-electron pseudopotentials .....                                                                                                                                                                           | 12 712 |
| Jiří Vackář, Marek Hyt'ha, and Antonín Šimůnek                                                                                                                                                                |        |
| Application of self-interaction-corrected density-functional formalism to the extended Hubbard model .....                                                                                                    | 12 721 |
| Yuannan Xie, Rushan Han, and Xinwei Zhang                                                                                                                                                                     |        |
| Magnetic correlations and quantum criticality in the insulating antiferromagnetic, insulating spin liquid, renormalized Fermi liquid, and metallic antiferromagnetic phases of the Mott system $V_2O_3$ ..... | 12 727 |
| Wei Bao, C. Broholm, G. Aeppli, S. A. Carter, P. Dai, T. F. Rosenbaum, J. M. Honig, P. Metcalf, and S. F. Trevino                                                                                             |        |
| Microscopic conditions favoring itinerant ferromagnetism .....                                                                                                                                                | 12 749 |
| J. Wahle, N. Blümer, J. Schlipf, K. Held, and D. Vollhardt                                                                                                                                                    |        |
| Dynamic exchange-correlation potentials for the electron gas in dimensionality $D=3$ and $D=2$ .....                                                                                                          | 12 758 |
| R. Nifosì, S. Conti, and M. P. Tosi                                                                                                                                                                           |        |
| Faraday effect in composites .....                                                                                                                                                                            | 12 770 |
| Marc Barthélémy and David J. Bergman                                                                                                                                                                          |        |
| Characterization of harmonic generation spectra in three-component Fibonacci optical superlattices .....                                                                                                      | 12 782 |
| Xianjie Liu, Zhenlin Wang, Jun Wu, Dezhong Shen, and Naiben Ming                                                                                                                                              |        |
| Optical study of the Mott transition in $V_2O_3$ : Comparison of time- and frequency-domain results .....                                                                                                     | 12 789 |
| O. V. Misochko, M. Tani, K. Sakai, K. Kisoda, S. Nakashima, V. N. Andreev, and F. A. Chudnovsky                                                                                                               |        |
| Theoretical study of Auger-photoelectron coincidence, Auger-electron, and x-ray emission spectra of Ni metal and related systems .....                                                                        | 12 795 |
| M. Ohno                                                                                                                                                                                                       |        |
| Photoemission experiments on $YbInCu_4$ : Surface effects and temperature dependence .....                                                                                                                    | 12 808 |
| F. Reinert, R. Claessen, G. Nicolay, D. Ehm, S. Hüfner, W. P. Ellis, G.-H. Gweon, J. W. Allen, B. Kindler, and W. Assmus                                                                                      |        |
| Excitation spectra of the Ce mononictides within dynamical mean-field theory .....                                                                                                                            | 12 817 |
| J. Lægsgaard and A. Svane                                                                                                                                                                                     |        |

|                                                                                                                                                              |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Core-level photoemission and x-ray absorption study of Na-covered and oxygen-deficient $\text{Ba}_{0.6}\text{K}_{0.4}\text{BiO}_{3-y}$ single crystals ..... | 12 836 |
| H. Nylén, A. Beutler, A. A. Zakharov, M. Leandersson, M. Qvarford, I. Lindau, M. B. Tsetlin, L. L. Lev, M. N. Mikheeva, S. N. Barilo, and S. V. Shiryayev    |        |
| Stark-ladder states in an imperfect crystal: Effect of impurity scattering .....                                                                             | 12 842 |
| Masato Morifuji and Chihiro Hamaguchi                                                                                                                        |        |
| Transport properties of the hierarchical model for stretched polymers .....                                                                                  | 12 848 |
| Chen-Ping Zhu, Shi-Jie Xiong, and Tao Chen                                                                                                                   |        |

**Semiconductors I: bulk**

|                                                                                                                                                                                         |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Nanoclustering of hydrogen in ion-implanted and plasma-grown amorphous silicon .....                                                                                                    | 12 853 |
| S. Acco, D. L. Williamson, W. G. J. H. M. van Sark, W. C. Sinke, W. F. van der Weg, A. Polman, and S. Roorda                                                                            |        |
| Structural transformation in the $90^\circ$ partial dislocation in Si due to Ga impurities .....                                                                                        | 12 865 |
| Theodore Kaplan, Mark Mostoller, and M. F. Chisholm                                                                                                                                     |        |
| Piezoelectric photoacoustic studies of optical recovery of metastable states related to EL2 and EL6 levels in semi-insulating GaAs .....                                                | 12 868 |
| Atsuhiko Fukuyama, Yoshito Akashi, Kenji Yoshino, Kouji Maeda, and Tetsuo Ikari                                                                                                         |        |
| Spin-glass ordering in the diluted magnetic semiconductor $\text{Zn}_{1-x}\text{Mn}_x\text{Te}$ .....                                                                                   | 12 876 |
| P. M. Shand, A. D. Christianson, T. M. Pekarek, L. S. Martinson, J. W. Schweitzer, I. Miotkowski, and B. C. Crooker                                                                     |        |
| Theory of fluctuations around a nonequilibrium state maintained by interband optical and driving electric field in semiconductors .....                                                 | 12 883 |
| M. I. Muradov                                                                                                                                                                           |        |
| Phonon dispersion and Raman scattering in hexagonal GaN and AlN .....                                                                                                                   | 12 899 |
| V. Yu. Davydov, Yu. E. Kitaev, I. N. Goncharuk, A. N. Smirnov, J. Graul, O. Semchinova, D. Uffmann, M. B. Smirnov, A. P. Mirgorodsky, and R. A. Evarestov                               |        |
| Auger recombination dynamics of lead salts under picosecond free-electron-laser excitation .....                                                                                        | 12 908 |
| P. C. Findlay, C. R. Pidgeon, R. Kotitschke, A. Hollingworth, B. N. Murdin, C. J. G. M. Langerak, A. F. G. van der Meer, C. M. Ciesla, J. Oswald, A. Homer, G. Springholz, and G. Bauer |        |
| Application of femtosecond-excitation correlation to the study of emission dynamics in hexagonal GaN .....                                                                              | 12 916 |
| S. Pau, J. Kuhl, M. A. Khan, and C. J. Sun                                                                                                                                              |        |
| Theory of exciton-exciton correlation in nonlinear optical response .....                                                                                                               | 12 920 |
| Th. Östreich, K. Schönhammer, and L. J. Sham                                                                                                                                            |        |
| Dense electron-hole plasma cooling due to second nonequilibrium-phonon bottleneck in CdS crystallites .....                                                                             | 12 937 |
| S. Juršėnas, G. Kurilčik, and A. Žukauskas                                                                                                                                              |        |
| Kinetic study of oxygen dimer and thermal donor formation in silicon .....                                                                                                              | 12 944 |
| D. Åberg, B. G. Svensson, T. Hallberg, and J. L. Lindström                                                                                                                              |        |
| Electrical properties of single crystals of rigid rodlike conjugated molecules .....                                                                                                    | 12 952 |
| J. H. Schön, Ch. Kloc, R. A. Laudise, and B. Batlogg                                                                                                                                    |        |

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

|                                                                                                         |        |
|---------------------------------------------------------------------------------------------------------|--------|
| Diffusion mechanisms of a Si adatom on H-terminated Si(100) surfaces .....                              | 12 958 |
| Sukmin Jeong and Atsushi Oshiyama                                                                       |        |
| Surface-induced optical anisotropy of the (001) and (113) silicon surfaces .....                        | 12 964 |
| V. I. Gavrilenko and Fred H. Pollak                                                                     |        |
| Ground-state self-consistent calculation of quantum dots under magnetic fields: Addition spectrum ..... | 12 970 |
| N. Barberan                                                                                             |        |
| Tunnel ionization of quantum-well magnetoexcitons localized in a lateral trap .....                     | 12 980 |
| A. O. Govorov and W. Hansen                                                                             |        |

|                                                                                                                             |        |
|-----------------------------------------------------------------------------------------------------------------------------|--------|
| Weiss oscillations in the presence of small-angle impurity scattering .....                                                 | 12 986 |
| A. D. Mirlin and P. Wölfle                                                                                                  |        |
| Scattering theory of photon-assisted electron transport .....                                                               | 12 993 |
| Morten Holm Pedersen and Markus Büttiker                                                                                    |        |
| Photon sidebands of the ground state and the excited state of a quantum dot: A nonequilibrium Green-function approach ..... | 13 007 |
| Qing-feng Sun, Jian Wang, and Tsung-han Lin                                                                                 |        |
| Nonequilibrium occupation of Landau levels and universal critical field in the quantum-Hall-effect breakdown .....          | 13 015 |
| C. Chaubet and F. Geniet                                                                                                    |        |
| Skymions in quantum Hall ferromagnets as spin waves bound to unbalanced magnetic-flux quanta .....                          | 13 028 |
| J. H. Oaknin, B. Paredes, and C. Tejedor                                                                                    |        |
| Critical collapse of the exchange-enhanced spin splitting in two-dimensional systems .....                                  | 13 036 |
| D. R. Leadley, R. J. Nicholas, J. J. Harris, and C. T. Foxon                                                                |        |
| Temperature dependence of Auger recombination in a multilayer narrow-band-gap superlattice .....                            | 13 047 |
| D.-J. Jang, Michael E. Flatté, C. H. Grein, J. T. Olesberg, T. C. Hasenberg, and Thomas F. Boggess                          |        |
| Optical absorption spectra of lead iodide nanoclusters .....                                                                | 13 055 |
| Kanad Mallik and T. S. Dhami                                                                                                |        |
| Kinetics of four-wave mixing for a two-dimensional magnetoplasma in strong magnetic fields .....                            | 13 060 |
| M. W. Wu and H. Haug                                                                                                        |        |
| Ultrafast coherent dynamics in quantum wells for multisubband excitation in different density regimes .....                 | 13 073 |
| S. Arlt, U. Siegner, F. Morier-Genoud, and U. Keller                                                                        |        |
| Temperature-dependent exciton luminescence in quantum wells by computer simulation .....                                    | 13 081 |
| S. D. Baranovskii, R. Eichmann, and P. Thomas                                                                               |        |
| Acoustoelectric effect in nanostructures: Role of quasimomentum balance .....                                               | 13 088 |
| V. L. Gurevich, V. I. Kozub, and V. B. Pevzner                                                                              |        |
| Statistical analysis of magnetic-field spectra .....                                                                        | 13 094 |
| Jian Wang and Hong Guo                                                                                                      |        |
| Direct experimental observation of the Hall angle in the low-temperature breakdown regime of <i>n</i> -GaAs .....           | 13 099 |
| V. Novák, J. Hirschinger, F.-J. Niedernostheide, W. Prettl, M. Cukr, and J. Oswald                                          |        |
| Effective-mass wave-matching theory for a two-band Wannier system .....                                                     | 13 103 |
| Patrick Roblin, Paul Sotirelis, and J. Gene Cao                                                                             |        |
| Nucleation and growth of self-assembled Ge/Si(001) quantum dots .....                                                       | 13 115 |
| Vinh Le Thanh, P. Boucaud, D. Débarre, Y. Zheng, D. Bouchier, and J.-M. Lourtioz                                            |        |

### Surface physics, low-dimensional systems, and related topics

|                                                                                                                                 |        |
|---------------------------------------------------------------------------------------------------------------------------------|--------|
| Convergence and reliability of the Rehr-Albers formalism in multiple-scattering calculations of photoelectron diffraction ..... | 13 121 |
| Y. Chen, F. J. García de Abajo, A. Chassé, R. X. Ynzunza, A. P. Kaduwela, M. A. Van Hove, and C. S. Fadley                      |        |
| Quantitative assessment of STM images of Fe grown epitaxially on MgO(001) using fractal techniques .....                        | 13 132 |
| S. M. Jordan, R. Schad, D. J. L. Herrmann, J.F. Lawler, and H. van Kempen                                                       |        |
| Structural and transport properties of aluminum atomic wires .....                                                              | 13 138 |
| Gianni Taraschi, José-Luis Mozos, C. C. Wan, Hong Guo, and Jian Wang                                                            |        |
| Sublimation of a heavily boron-doped Si(111) surface .....                                                                      | 13 146 |
| Yoshikazu Homma, Hiroki Hibino, Toshio Ogino, and Noriyuki Aizawa                                                               |        |
| Interacting hard-core bosons and surface preroughening .....                                                                    | 13 151 |
| Alessandro Laio, Giuseppe Santoro, and Erio Tosatti                                                                             |        |
| Density-functional theory calculations of hopping rates of surface diffusion .....                                              | 13 163 |
| C. Ratsch and M. Scheffler                                                                                                      |        |

|                                                                                                                                                    |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <i>Ab initio</i> molecular-dynamics studies of the graphitization of flat and stepped diamond (111) surfaces .....                                 | 13 167 |
| G. Kern and J. Hafner                                                                                                                              |        |
| Experimental band gap and core-hole electron interaction in epitaxial C <sub>60</sub> films .....                                                  | 13 176 |
| R. Schwedhelm, L. Kipp, A. Dallmeyer, and M. Skibowski                                                                                             |        |
| Phonon-drag thermopower and weak localization .....                                                                                                | 13 181 |
| A. Miele, R. Fletcher, E. Zaremba, Y. Feng, C. T. Foxon, and J. J. Harris                                                                          |        |
| Calculated bond properties of K adsorbed on graphite .....                                                                                         | 13 191 |
| O. Hjortstam, J. M. Wills, B. Johansson, and O. Eriksson                                                                                           |        |
| Magnetoshear modes and ac dissipation in a two-dimensional Wigner crystal .....                                                                    | 13 197 |
| Yuri G. Rubo and M. J. Lea                                                                                                                         |        |
| Hot-carrier transport processes in stimulated desorption of alkali halides .....                                                                   | 13 204 |
| J. J. Kolodziej and M. Szymonski                                                                                                                   |        |
| Fast proton-induced electron emission from rare-gas solids and electrostatic charging effects .....                                                | 13 212 |
| R. A. Baragiola, M. Shi, R. A. Vidal, and C. A. Dukes                                                                                              |        |
| Surface compounds of divalent rare-earth metals with palladium .....                                                                               | 13 219 |
| S. Wieling, S. L. Molodtsov, Th. Gantz, J. J. Hinarejos, C. Laubschat, and M. Richter                                                              |        |
| Oxygen-induced reconstructions on Cu(211) .....                                                                                                    | 13 224 |
| G. Witte, J. Braun, D. Nowack, L. Bartels, B. Neu, and G. Meyer                                                                                    |        |
| Electronic structure of 5 <i>d</i> transition metals adsorbed on the stoichiometric (110) rutile surface .....                                     | 13 233 |
| L. Thiên-Nga and A. T. Paxton                                                                                                                      |        |
| Transport equation and diffusion in ultrathin channels and films .....                                                                             | 13 242 |
| A. E. Meyerovich and A. Stepaniants                                                                                                                |        |
| Helium-atom-scattering study of the structure and phonons of the NiO(100) and CoO(100) surfaces .....                                              | 13 264 |
| G. Witte, P. Senet, and J. P. Toennies                                                                                                             |        |
| <b>Errata</b>                                                                                                                                      |        |
| Erratum: Charging effects in quantum wires [Phys. Rev. B <b>55</b> , 9929 (1997)] .....                                                            | 13 275 |
| Reinhold Egger and Hermann Grabert                                                                                                                 |        |
| Erratum: Neutral-donor-bound-exciton complexes in ZnO crystals [Phys. Rev. B <b>57</b> , 12 151 (1998)] .....                                      | 13 276 |
| D. C. Reynolds, D. C. Look, B. Jogai, C. W. Litton, T. C. Collins, W. Harsch, and G. Cantwell                                                      |        |
| Erratum: NbSe <sub>3</sub> : Effect of uniaxial stress on the threshold field and fermiology [Phys. Rev. B <b>57</b> , 14 576 (1998)] .....        | 13 276 |
| Jahyong Kuh, Y. T. Tseng, Keith Wagner, Jay Brooks, G. X. Tessema, and M. J. Skove                                                                 |        |
| Erratum: Bond-length variation in In <sub>x</sub> Ga <sub>1-x</sub> As/InP strained epitaxial layers [Phys. Rev. B <b>57</b> , 14 619 (1998)] .... | 13 277 |
| F. Romanato, D. De Salvador, M. Berti, A. Drigo, M. Natali, M. Tormen, G. Rossetto, S. Pascarelli, F. Boscherini, C. Lamberti, and S. Mobilio      |        |
| <b>Cumulative Author Index</b> .....                                                                                                               | 13 278 |