

|                                                                                                                                                         |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Enhancement of phonon effects in photoexcited states of one-dimensional Mott insulators ( <i>4 pages</i> ) . . . . .                                    | 193112 |
| Hiroaki Matsueda, Akihiro Ando, Takami Tohyama, and Sadamichi Maekawa                                                                                   |        |
| <b>Semiconductors I: bulk</b>                                                                                                                           |        |
| Features of interband absorption in the dielectric function of narrow-gap semiconductors ( <i>4 pages</i> ) . . . . .                                   | 193201 |
| L. A. Falkovsky                                                                                                                                         |        |
| Dynamics of nonlinear blue photoluminescence and Auger recombination in SrTiO <sub>3</sub> ( <i>4 pages</i> ) . . . . .                                 | 193202 |
| Hideki Yasuda and Yoshihiko Kanemitsu                                                                                                                   |        |
| Dynamics of biexciton localization in Al <sub>x</sub> Ga <sub>1-x</sub> N mixed crystals under exciton resonant excitation ( <i>4 pages</i> ) . . . . . | 193203 |
| Daisuke Hirano, Takeshi Tayagaki, Yoichi Yamada, and Yoshihiko Kanemitsu                                                                                |        |
| <b>Semiconductors II: surfaces, interfaces, microstructures, and related topics</b>                                                                     |        |
| Dopant stability and strain states in Co and Mn-doped Ge (001) epitaxial films ( <i>4 pages</i> ) . . . . .                                             | 193301 |
| B. A. Collins, Y. S. Chu, L. He, Y. Zhong, and F. Tsui                                                                                                  |        |
| Spin Hall effect in a symmetric quantum well by a random Rashba field ( <i>4 pages</i> ) . . . . .                                                      | 193302 |
| C. P. Moca, D. C. Marinescu, and S. Filip                                                                                                               |        |
| Experimental investigation of exciton-LO-phonon couplings in CdSe/ZnS core/shell nanorods ( <i>4 pages</i> ) . . . . .                                  | 193303 |
| Holger Lange, Mikhail Artemyev, Ulrike Woggon, Tore Niermann, and Christian Thomsen                                                                     |        |
| Tunable Aharonov-Anandan phase in transport through mesoscopic hole rings ( <i>4 pages</i> ) . . . . .                                                  | 193304 |
| M. Pletyukhov and U. Zülicke                                                                                                                            |        |
| Robust strongly modulated transmission of a T-shaped structure with local Rashba interaction ( <i>3 pages</i> ) . . . . .                               | 193305 |
| K. Shen and M. W. Wu                                                                                                                                    |        |
| Two-path transport measurements on a triple quantum dot ( <i>4 pages</i> ) . . . . .                                                                    | 193306 |
| M. C. Rogge and R. J. Haug                                                                                                                              |        |
| Effect of electron-electron scattering on spin dephasing in a high-mobility low-density two-dimensional electron gas ( <i>4 pages</i> ) . . . . .       | 193307 |
| X. Z. Ruan, H. H. Luo, Yang Ji, Z. Y. Xu, and V. Umansky                                                                                                |        |
| Sharp magnetic field dependence of the two-dimensional Hall coefficient induced by classical memory effects ( <i>4 pages</i> ) . . . . .                | 193308 |
| A. P. Dmitriev and V. Yu. Kachorovskii                                                                                                                  |        |
| Aharonov-Bohm-Casher ring dot as a flux-tunable resonant tunneling diode ( <i>4 pages</i> ) . . . . .                                                   | 193309 |
| R. Citro and F. Romeo                                                                                                                                   |        |
| Absence of charge-density waves on the dense Pb/Ge(111)- $\beta$ - $\sqrt{3} \times \sqrt{3}$ surface ( <i>4 pages</i> ) . . . . .                      | 193310 |
| Harumo Morikawa, Iwao Matsuda, and Shuji Hasegawa                                                                                                       |        |
| Multiscale theory of valley splitting in the conduction band of a quantum well ( <i>4 pages</i> ) . . . . .                                             | 193311 |
| Sucismita Chutia, S. N. Coppersmith, and Mark Friesen                                                                                                   |        |
| <b>Surface physics, nanoscale physics, low-dimensional systems</b>                                                                                      |        |
| Tunable hybridization between electronic states of graphene and a metal surface ( <i>4 pages</i> ) . . . . .                                            | 193401 |
| Alexander Grüneis and Denis V. Vyalikh                                                                                                                  |        |

(Continued)