

---



---

**Author index**


---



---

**A**

**Akinlami J.O.** – Electronic structure and optical properties of HgSe – Akinlami J.O. et al. **21**(3), 288-293

**B**

**Bacherikov Yu.Yu.** – Comparison of properties inherent to thin titanium oxide films formed by rapid thermal annealing on SiC and porous SiC substrates – Bacherikov Yu.Yu. et al. **21**(2), 200-205

**Bacherikov Yu.Yu.** – Thin dysprosium oxide films formed by rapid thermal annealing on porous SiC substrates – Bacherikov Yu.Yu. et al. **21**(4), 360-364

**Bagraev N.T.** – see Savchenko D.V. et al. **21**(3), 249-255

**Baibara O.E.** – see Radchenko M.V. et al. **21**(2), 125-129

**Bakhadyrkhanov M.K.** – Clusters of nickel atoms and controlling their state in silicon lattice – Bakhadyrkhanov M.K. et al. **21**(4), 392-396

**Balabai R.M.** – Electronic properties of graphene/ZnO 2D-2D composite – Balabai R.M. et al. **21**(1), 65-72

**Barsukov V.Z.** – see Smertenko P.S. et al. **21**(2), 206-210

**Bashchenko S.M.** – Spectral control of power diode lasers with enhanced output by external cavity based on volume holographic grating – Bashchenko S.M. et al. **21**(4), 424-428

**Belevskii P.A.** – see Vinoslavskii M.M. et al. **21**(3), 256-262

**Belyaev A.E.** – see Sachenko A.V. et al. **21**(1), 5-40

**Bendak A.V.** – see Bilanych V.V. et al. **21**(3), 273-276

**Berezovska N.I.** – see Bacherikov Yu.Yu. et al. **21**(4), 360-364

**Berrah S.** – see Bouchoucha L. et al. **21**(1), 73-79

**Bilanych V.S.** – see Bilanych V.V. et al. **21**(3), 273-276

**Bilanych V.V.** – Studying the mechanical properties of  $(\text{Cu}_{1-x}\text{Ag}_x)_7\text{GeS}_5\text{I}$  mixed crystals by using the micro-indentation method – Bilanych V.V. et al. **21**(3), 273-276

**Bletskan D.I.** – Influence of intrinsic point defects and substitutional impurities (Cl, I  $\rightarrow$  S) on the electronic structure of 2H-SnS<sub>2</sub> – Bletskan D.I. et al. **21**(4), 345-359

**Bobitski Y.V.** – see Yaremchuk I.Ya. et al. **21**(2), 195-199

**Boiko I.I.** – Influence of inter-electron scattering on the form of non-equilibrium distribution function of band carriers – Boiko I.I. et al. **21**(2), 114-124

**Borysov O.V.** – see Lytvyn P.M. et al. **21**(2), 152-159

**Bouchoucha L.** – Influence of experimental parameters inherent to optical fibers on Quantum Key Distribution, the protocol BB84 – Bouchoucha L. et al. **21**(1), 73-79

**Bratus' V.Ya.** – see Shanina B.D. et al. **21**(3), 225-230

**Brytan V.B.** – see Seneta M.Ya. et al. **21**(1), 41-47

**Bugaiova M.E.** – see Radchenko M.V. et al. **21**(2), 125-129

**Bulavinets T.O.** – see Yaremchuk I.Ya. et al. **21**(2), 195-199

**C**

**Csik A.** – see Studenyak I.P. et al. **21**(2), 167-172

**D**

**Daróci L.** – see Studenyak I.P. et al. **21**(2), 167-172

**Derzhypolska L.A.** – see Derzhypolskyi A.G. et al. **21**(4), 429-433

**Derzhypolskyi A.G.** – Reduction of speckle noise in laser energy distribution on the target by means of modified Fourier hologram and incoherent averaging technique – Derzhypolskyi A.G. et al. **21**(4), 429-433

**Dimitriev O.P.** – Hybrid organic-inorganic heterojunctions: Principles of functioning and application in solar cells – Dimitriev O.P. **21**(4), 435

**Dmitruk N.L.** – see Bacherikov Yu.Yu. et al. **21**(2), 200-205

**Dubikovskiy O.V.** – see Korotyeyev V.V. et al. **21**(3), 294-306

**Dumond Y.** – see Radchenko M.V. et al. **21**(2), 125-129

**Dvoretzky S.** – see Shevchik-Shekera A. et al. **21**(1), 83-88

**E**

**Efremov A.A.** – see Lytvyn P.M. et al. **21**(2), 152-159

**F**

**Fitio V.M.** – see Yaremchuk I.Ya. et al. **21**(2), 195-199

**Fomichov Ye.M.** – see Morozovska A.N. et al. **21**(2), 139-151

**Frolova V.V.** – see Bletskan D.I. et al. **21**(4), 345-359

**G**

**Gaidar G.P.** – Dose dependence of tensor resistance for the symmetrical orientation of the deformation axis relatively to all isoenergetic ellipsoids in  $\gamma$ -irradiated (<sup>60</sup>Co) n-Si crystals – Gaidar G.P. **21**(1), 48-53

---



---

**Author index**


---



---

- Geru I.I.** – Inversion of spin levels in exchange-coupled pairs under combined time reversal – Geru I.I. **21(3)**, 238-248
- Geru I.I.** – Inversion of spin levels in exchange-coupled pairs under combined time reversal – Geru I.I. **21(3)**, 316
- Gnatovskiy O.V.** – see Derzhypolskiy A.G. et al. **21(4)**, 429-433
- Golenkov A.** – see Shevchik-Sheker A. et al. **21(1)**, 83-88
- Gordienko V.I.** – see Pekar G.S. et al. **21(2)**, 173-179
- Grachov V.** – Reminiscence by Valentin Grachov, Prof. of Montana State University, one of the progeny of Prof. Mykhailo Deigen – Grachov V. **21(3)**, 317
- Gromashevskii V.L.** – see Tatyanyenko N.P. et al. **21(3)**, 263-272
- Grygoruk V.I.** – see Nikytenko A.L. et al. **21(4)**, 402-406
- Gumenjuk-Sichevska J.V.** – see Melezhhik E.O. et al. **21(2)**, 187-194
- I**
- Indutnyi I.Z.** – see Lytvyn P.M. et al. **21(2)**, 152-159
- Ismailov K.A.** – see Bakhadyrkhanov M.K. et al. **21(4)**, 392-396
- Ismaylov B.K.** – see Bakhadyrkhanov M.K. et al. **21(4)**, 392-396
- Izai V.Yu.** – Electrical and dielectrical properties of composites based on  $(Ag_{1-x}Cu_x)_7GeS_5I$  mixed crystals – Izai V.Yu. et al. **21(4)**, 387-391
- Izai V.Yu.** – see Studenyak I.P. et al. **21(1)**, 89-94
- K**
- Kalabukhova E.N.** – see Savchenko D.V. et al. **21(3)**, 249-255
- Kalashnyk Yu.Yu.** – see Klimovskaya A.I. et al. **21(3)**, 282-287
- Kalchenko V.I.** – see Kazantseva Z.I. et al. **21(3)**, 307-314
- Kapitanchuk L.M.** – see Bacherikov Yu.Yu. et al. **21(4)**, 360-364
- Kapitanchuk L.M.** – see Bacherikov Yu.Yu. et al. **21(2)**, 200-205
- Kashirina N.I.** – Condensons and bicondensons in low-dimensional systems – Kashirina N.I. **21(3)**, 316
- Kashirina N.I.** – Condensons and bicondensons in one-dimensional system – Kashirina N.I. et al. **21(3)**, 231-237
- Katanytsia A.F.** – see Nebola I.I. et al. **21(2)**, 134-138
- Kazantseva Z.I.** – The role of shear modulus and viscosity of thin organic films on the adsorption response of QCM sensors – Kazantseva Z.I. et al. **21(3)**, 307-314
- Khomenkova L.Yu.** – see Venger E.F. et al. **21(4)**, 417-423
- Khromov V.S.** – see Savchenko D.V. et al. **21(3)**, 249-255
- Kinzerska O.V.** – see Makhniy V.P. et al. **21(1)**, 80-82
- Klimovskaya A.I.** – Growth of silicon self-assembled nanowires by using gold-enhanced CVD technology – Klimovskaya A.I. et al. **21(3)**, 282-287
- Klyachkin L.E.** – see Savchenko D.V. et al. **21(3)**, 249-255
- Knoff W.** – see Radchenko M.V. et al. **21(2)**, 125-129
- Kochelap V.A.** – S.I. Pekar, 100-year anniversary – Kochelap V.A. **21(1)**, 102-104
- Kochelap V.A.** – see Syngayivska G.I. et al. **21(4)**, 325-335
- Kochelap V.O.** – M.F. Deigen and electron-phonon interaction – Kochelap V.O. **21(3)**, 315
- Kochelap V.O.** – see Korotyeyev V.V. et al. **21(3)**, 294-306
- Kochelap V.O.** – see Vinoslavskii M.M. et al. **21(3)**, 256-262
- Kökényesi S.** – see Studenyak I.P. et al. **21(1)**, 89-94
- Kökényesi S.** – see Studenyak I.P. et al. **21(2)**, 167-172
- Kolomys O.F.** – see Bacherikov Yu.Yu. et al. **21(2)**, 200-205
- Konakova R.V.** – see Bacherikov Yu.Yu. et al. **21(2)**, 200-205
- Konakova R.V.** – see Bacherikov Yu.Yu. et al. **21(4)**, 360-364
- Konakova R.V.** – see Sachenko A.V. et al. **21(1)**, 5-40
- Konchits A.A.** – Nature and kinetics of paramagnetic defects induced by beta-irradiation of chitosan – Konchits A.A. et al. **21(4)**, 336-344
- Konoreva O.** – see Zavada M. et al. **21(2)**, 130-133
- Kopčanský P.** – see Izai V.Yu. et al. **21(4)**, 387-391
- Kopčanský P.** – see Kovalchuk O.V. et al. **21(4)**, 407-411
- Korbutyak D.V.** – 2D semiconductor structures as a basis for new high-tech devices (Review) – Korbutyak D.V. et al. **21(4)**, 380-386
- Korol O.A.** – see Kashirina N.I. et al. **21(3)**, 231-237
- Korotyeyev V.V.** – Be-ion implanted *p-n* InSb diode for infrared applications. Modeling, fabrication and characterization – Korotyeyev V.V. et al. **21(3)**, 294-306
- Korotyeyev V.V.** – see Syngayivska G.I. et al. **21(4)**, 325-335
- Korsunskaya N.O.** – see Venger E.F. et al. **21(4)**, 417-423
- Koshets I.A.** – see Kazantseva Z.I. et al. **21(3)**, 307-314
- Kostenko V.I.** – see Nikytenko A.L. et al. **21(4)**, 402-406
- Kostilyov V.D.** – Photovoltaics today – Kostilyov V.D. **21(4)**, 434
- Kostilyov V.P.** – see Shkrebtii A.I. et al. **21(1)**, 58-64
- Kovalchuk O.V.** – Influence of nanoparticles of  $Cu_7GeS_5I$  superionic conductor on dielectric properties of planar-oriented nematic liquid crystal 6CB – Kovalchuk O.V. et al. **21(4)**, 407-411

---



---

**Author index**


---



---

- Kovalchuk O.V.** – Nonmonotonic (in concentration) conductivity of aqueous solutions of fungal melanin – Kovalchuk O.V. et al. **21**(1), 95-99
- Kovalchuk O.V.** – see Vovk V.E. et al. **21**(4), 397-401
- Kovalchuk T.M.** – see Kovalchuk O.V. et al. **21**(1), 95-99
- Kovalchuk T.M.** – see Kovalchuk O.V. et al. **21**(4), 407-411
- Kovalchuk T.M.** – see Vovk V.E. et al. **21**(4), 397-401
- Kozyukhin S.** – see Shpotyuk O.I. et al. **21**(1), 100-101
- Kranjčec M.** – see Studenyak I.P. et al. **21**(1), 89-94
- Krasnovyd S.V.** – see Konchits A.A. et al. **21**(4), 336-344
- Kravetskyi M.Yu.** – see Pashchenko G.A. et al. **21**(3), 277-281
- Krushinskaya L.A.** – see Radchenko M.V. et al. **21**(2), 125-129
- Kulish M.R.** – see Shkrebti A.I. et al. **21**(1), 58-64
- Kurimsky J.** – see Izai V.Yu. et al. **21**(4), 387-391
- Kurlov S.S.** – Suitable factorization of the total intersubband scattering rates for efficient calculation of the current densities and gain characteristics in quantum cascade lasers – Kurlov S.S. et al. **21**(2), 180-186
- Kutsyk M.M.** – see Studenyak I.P. et al. **21**(1), 89-94
- Kuznetsova D.A.** – see Smertenko P.S. et al. **21**(2), 206-210

**L**

- Lashkarev G.V.** – see Radchenko M.V. et al. **21**(2), 125-129
- Lokshin M.M.** – see Pekar G.S. et al. **21**(2), 173-179
- Luchynets M.M.** – see Kovalchuk O.V. et al. **21**(4), 407-411
- Lysiuk V.O.** – see Yampolskiy A.L. et al. **21**(4), 412-416
- Lytovchenko P.** – see Zavada M. et al. **21**(2), 130-133
- Lytovchenko V.G.** – see Korbutyak D.V. et al. **21**(4), 380-386
- Lytvyn O.S.** – see Bacherikov Yu.Yu. et al. **21**(2), 200-205
- Lytvyn O.S.** – see Bacherikov Yu.Yu. et al. **21**(4), 360-364
- Lytvyn P.M.** – Features of mechanical scanning probe lithography on graphene oxide and As(Ge)Se chalcogenide resist – Lytvyn P.M. et al. **21**(2), 152-159
- Lytvyn P.M.** – see Klimovskaya A.I. et al. **21**(3), 282-287

**M**

- Makarenko O.V.** – see Yampolskiy A.L. et al. **21**(4), 412-416
- Makauz I.I.** – see Studenyak I.P. et al. **21**(2), 167-172
- Makhniy V.P.** – Luminescence of crystals ZnSe <Al>:Gd – Makhniy V.P. et al. **21**(1), 80-82

- Malyarenko A.M.** – see Savchenko D.V. et al. **21**(3), 249-255
- Malyuta S.V.** – see Lytvyn P.M. et al. **21**(2), 152-159
- Mar'yan M.I.** – see Yurkovych N.V. et al. **21**(4), 365-373
- Masselink W.T.** – see Kurlov S.S. et al. **21**(2), 180-186
- Matsnev I.V.** – see Bashchenko S.M. et al. **21**(4), 424-428
- Mazurin I.V.** – see Pekar G.S. et al. **21**(2), 173-179
- Melezhik E.O.** – Dynamical screening function and plasmons in the wide HgTe quantum wells at high temperatures – Melezhik E.O. et al. **21**(2), 187-194
- Melnichuk L.Yu.** – see Venger E.F. et al. **21**(4), 417-423
- Melnichuk O.V.** – see Venger E.F. et al. **21**(4), 417-423
- Melnik V.P.** – see Korotyeyev V.V. et al. **21**(3), 294-306
- Mikhailov N.N.** – see Melezhik E.O. et al. **21**(2), 187-194
- Milenin G.V.** – Cyclotron radiation of semiconductor crystals – Milenin G.V. et al. **21**(1), 54-57
- Milenin V.V.** – see Milenin G.V. et al. **21**(1), 54-57
- Min'ko V.I.** – see Lytvyn P.M. et al. **21**(2), 152-159
- Molnar Z.R.** – see Studenyak I.P. et al. **21**(1), 89-94
- Molnar Z.R.** – see Studenyak I.P. et al. **21**(2), 167-172
- Morozovska A.N.** – Nanoferroics: state-of-art, gradient-driven couplings and advanced applications – Morozovska A.N. et al. **21**(2), 139-151

**N**

- Nazarov A.N.** – see Lytvyn P.M. et al. **21**(2), 152-159
- Nebola I.I.** – Model research of phonon spectra of argyrodites family – Nebola I.I. et al. **21**(2), 134-138
- Negriyko A.M.** – see Bashchenko S.M. et al. **21**(4), 424-428
- Nikytenko A.L.** – Domain structure regularization in monocrystalline barium hexaferrite – Nikytenko A.L. et al. **21**(4), 402-406

**O**

- Oberemok O.S.** – see Klimovskaya A.I. et al. **21**(3), 282-287
- Odeyemi O.O.** – see Akinlami J.O. et al. **21**(3), 288-293
- Okhrimenko O.B.** – see Bacherikov Yu.Yu. et al. **21**(2), 200-205
- Okhrimenko O.B.** – see Bacherikov Yu.Yu. et al. **21**(4), 360-364
- Opilat V.** – see Zavada M. et al. **21**(2), 130-133

**P**

- Pashchenko G.A.** – Features of electrochemical processes at the boundary *p*-GaAs – HF water solution – Pashchenko G.A. et al. **21**(3), 277-281

---



---

**Author index**


---



---

- Pedchenko Yu.M.** – see Klimovskaya A.I. et al. **21**(3), 282-287
- Pekar G.S.** – Large polycrystalline optical germanium Ge:Na plates with improved optical parameters and their application – Pekar G.S. et al. **21**(2), 173-179
- Peleshchak R.M.** – see Seneta M.Ya. et al. **21**(1), 41-47
- Pilipchuk O.S.** – see Vinoslavskii M.M. et al. **21**(3), 256-262
- Pinkovska M.** – see Zavada M. et al. **21**(2), 130-133
- Pogodin A.I.** – see Bilanych V.V. et al. **21**(3), 273-276
- Pogodin A.I.** – see Izai V.Yu. et al. **21**(4), 387-391
- Pop M.M.** – see Studenyak I.P. et al. **21**(2), 167-172
- Poperenko L.V.** – see Yampolskiy A.L. et al. **21**(4), 412-416
- Poperenko L.V.** – The role of magnetic component of a strong light field in electrostrictive effect – Poperenko L.V., et al. **21**(2), 160-166
- Poroshin V.M.** – see Vinoslavskii M.M. et al. **21**(3), 256-262
- Prokopenko I.V.** – see Lytvyn P.M. et al. **21**(2), 152-159
- Prorok V.V.** – see Poperenko L.V., et al. **21**(2), 160-166
- Ptashchenko O.O.** – V.A. Presnov, 100-year anniversary – Ptashchenko O.O. **21**(1), 105
- R**
- Radchenko M.V.** – The phenomenon of magnetic exchange bias in ferromagnetic nanocomposites grown by electron beam evaporation – Radchenko M.V. et al. **21**(2), 125-129
- Radkevych O.** – see Zavada M. et al. **21**(2), 130-133
- Rajňák M.** – see Izai V.Yu. et al. **21**(4), 387-391
- Red'ko R.A.** – see Milenin G.V. et al. **21**(1), 54-57
- Romaniuk B.M.** – see Korotyeyev V.V. et al. **21**(3), 294-306
- Romaniuk V.F.** – see Nikytenko A.L. et al. **21**(4), 402-406
- Roshchina N.M.** – see Smertenko P.S. et al. **21**(2), 206-210
- Roshchina N.N.** – see Tatyanyenko N.P. et al. **21**(3), 263-272
- Rozouvan S.G.** – see Poperenko L.V., et al. **21**(2), 160-166
- S**
- Sabov T.M.** – see Korotyeyev V.V. et al. **21**(3), 294-306
- Sachenko A.V.** – Physical mechanisms providing formation of ohmic contacts metal–semiconductor (Review) – Sachenko A.V. et al. **21**(1), 5-40
- Sachenko A.V.** – see Shkrebti A.I. et al. **21**(1), 58-64
- Saparniyazova Z.M.** – see Bakhadyrkhanov M.K. et al. **21**(4), 392-396
- Sapon S.V.** – see Korotyeyev V.V. et al. **21**(3), 294-306
- Savchenko D.V.** – Electron and hole effective masses in heavily boron doped silicon nanostructures determined using cyclotron resonance experiments – Savchenko D.V. et al. **21**(3), 249-255
- Scherbakov C.M.** – see Morozovska A.N. et al. **21**(2), 139-151
- Seben V.** – see Yurkovych N.V. et al. **21**(4), 365-373
- Sellami M.** – see Bouchoucha L. et al. **21**(1), 73-79
- Semtsiv M.P.** – see Kurlov S.S. et al. **21**(2), 180-186
- Seneta M.Ya.** – Influence of the mirror image forces on dispersion and phonon acoustic mode width of quasi-Rayleigh wave interacting with the adsorbed atoms – Seneta M.Ya. et al. **21**(1), 41-47
- Senko I.M.** – see Makhniy V.P. et al. **21**(1), 80-82
- Shanina B.D.** – Calculation of spin-Hamiltonian constants for extended defects ( $V_{Si}-V_C$ )<sup>0</sup> (Ky5) in silicon carbide polytype 3C-SiC – Shanina B.D. et al. **21**(3), 225-230
- Shanina B.D.** – see Savchenko D.V. et al. **21**(3), 249-255
- Shanina B.D.** – To 100-year anniversary of Prof. M.F. Deigen – Shanina B.D. **21**(3), 315
- Shaykevich I.A.** – see Poperenko L.V., et al. **21**(2), 160-166
- Shevchik-Shekera A.** – Designing and manufacturing polystyrene lenses for the terahertz region – Shevchik-Shekera A. et al. **21**(1), 83-88
- Shirshov Yu.M.** – see Kazantseva Z.I. et al. **21**(3), 307-314
- Shkrebti A.I.** – Impact of semiconductor quantum dots bandgap on the reabsorption in luminescent concentrator – Shkrebti A.I. et al. **21**(1), 58-64
- Shkyrta I.M.** – see Nebola I.I. et al. **21**(2), 134-138
- Shpotyuk M.** – see Shpotyuk O.I. et al. **21**(1), 100-101
- Shpotyuk O.I.** – Reply to Kavetsky and Stepanov's "Comments on the "Metallic nanoparticles (Cu, Ag, Au) in chalcogenide and oxide glassy matrices: comparative assessment in terms of chemical bonding" – Shpotyuk O.I. et al. **21**(1), 100-101
- Shteyfan A.Ya.** – see Nebola I.I. et al. **21**(2), 134-138
- Sidey V.I.** – see Nebola I.I. et al. **21**(2), 134-138
- Singaevsky A.F.** – see Pekar G.S. et al. **21**(2), 173-179
- Sizov F.F.** – see Melezhik E.O. et al. **21**(2), 187-194
- Skubenykh K.V.** – see Bilanych V.V. et al. **21**(3), 273-276
- Slobodian O.M.** – see Lytvyn P.M. et al. **21**(2), 152-159
- Smertenko P.** – New tasks in the context of the forthcoming 6<sup>th</sup> technological wave – Smertenko P. **21**(2), 217
- Smertenko P.S.** – Vitamin B12-functionalized patterned Si surface for solar energy conversion – Smertenko P.S. et al. **21**(2), 206-210
- Smirnova T.N.** – see Bashchenko S.M. et al. **21**(4), 424-428
- Snopok B.A.** – see Tatyanyenko N.P. et al. **21**(3), 263-272
- Sokolovskiy I.O.** – see Shkrebti A.I. et al. **21**(1), 58-64
- Stelmakh Y.A.** – see Radchenko M.V. et al. **21**(2), 125-129
- Story T.** – see Radchenko M.V. et al. **21**(2), 125-129

---



---

**Author index**


---



---

- Strelchuk V.V.** – see Bacherikov Yu.Yu. et al. **21**(2), 200-205
- Strikha M.V.** – see Korbutyak D.V. et al. **21**(4), 380-386
- Stronskyi O.** – Introduction to fiber optics – Stronskyi O. **21**(2), 216
- Studeniyak I.P.** – Deposition and optical absorption studies of Cu–As–S thin films – Studeniyak I.P. et al. **21**(2), 167-172
- Studeniyak I.P.** – see Bilanych V.V. et al. **21**(3), 273-276
- Studeniyak I.P.** – see Izai V.Yu. et al. **21**(4), 387-391
- Studeniyak I.P.** – see Kovalchuk O.V. et al. **21**(4), 407-411
- Studeniyak I.P.** – see Nebola I.I. et al. **21**(2), 134-138
- Studeniyak I.P.** – Temperature studies of optical absorption in the sandwich structure based on  $(\text{Ag}_3\text{AsS}_3)_{0.6}(\text{As}_2\text{S}_3)_{0.4}$  thin film and gold nanoparticles – Studeniyak I.P. et al. **21**(1), 89-94
- Studeniyak V.I.** – see Izai V.Yu. et al. **21**(4), 387-391
- Sukach A.V.** – see Tetyorkin V.V. et al. **21**(4), 374-379
- Svechnikov G.S.** – see Tatyanyenko N.P. et al. **21**(3), 263-272
- Svetlichnyi A.M.** – see Bacherikov Yu.Yu. et al. **21**(2), 200-205
- Svetlichnyi A.M.** – see Bacherikov Yu.Yu. et al. **21**(4), 360-364
- Syngayivska G.I.** – Diffusion properties of electrons in GaN crystals subjected to electric and magnetic fields – Syngayivska G.I. et al. **21**(4), 325-335
- Szabo I.** – see Studeniyak I.P. et al. **21**(2), 167-172

**T**

- Tarasov G.G.** – see Kurlov S.S. et al. **21**(2), 180-186
- Tartachnyk V.** – see Zavada M. et al. **21**(2), 130-133
- Tatyanyenko N.P.** – Semiconductor surface spectroscopy using transverse acousto-electric effect: Role of surface charge in photo-processes at ZnS/Si interface – Tatyanyenko N.P. et al. **21**(3), 263-272
- Tetyorkin V.V.** –  $1/f$  noise and carrier transport mechanisms in InSb  $p^+n$  junctions – Tetyorkin V.V. et al. **21**(4), 374-379
- Timko M.** – see Izai V.Yu. et al. **21**(4), 387-391
- Timko M.** – see Kovalchuk O.V. et al. **21**(4), 407-411
- Tkachuk A.I.** – see Tetyorkin V.V. et al. **21**(4), 374-379
- Trishchuk L.I.** – see Pashchenko G.A. et al. **21**(3), 277-281
- Trotsenko S.P.** – see Tetyorkin V.V. et al. **21**(4), 374-379

**V**

- Vakhnyak N.D.** – see Makhniy V.P. et al. **21**(1), 80-82
- Vakiv M.** – see Shpotyuk O.I. et al. **21**(1), 100-101
- Venger E.F.** – Optical properties of ternary alloys MgZnO in infrared spectrum – Venger E.F. et al. **21**(4), 417-423

- Venger I.V.** – see Venger E.F. et al. **21**(4), 417-423
- Vinoslavskii M.M.** – Current and electroluminescence intensity oscillations under bipolar lateral electric transport in the double-GaAs/InGaAs/GaAs quantum wells – Vinoslavskii M.M. et al. **21**(3), 256-262
- Voroshchenko A.T.** – see Klimovskaya A.I. et al. **21**(3), 282-287
- Vorotiahin I.S.** – see Morozovska A.N. et al. **21**(2), 139-151
- Vovk V.E.** – Influence of Li-TCNQ impurities on dielectric properties of planar-oriented nematic liquid crystal – Vovk V.E. et al. **21**(4), 397-401

**W**

- Wisz G.** – see Smertenko P.S. et al. **21**(2), 206-210

**Y**

- Yampolskiy A.L.** – Ellipsometry of hybrid noble metal-dielectric nanostructures – Yampolskiy A.L. et al. **21**(4), 412-416
- Yanchuk I.B.** – see Konchits A.A. et al. **21**(4), 336-344
- Yaremchuk I.Ya.** – Optical properties of the nanocomposite materials based on plasmon nanoparticles – Yaremchuk I.Ya. et al. **21**(2), 195-199
- Yurkovych N.V.** – Synergetics of the instability and randomness in formation of gradient modified semiconductor structures – Yurkovych N.V. et al. **21**(4), 365-373

**Z**

- Zabudsky V.** – see Shevchik-Shekera A. et al. **21**(1), 83-88
- Zalevskiy D.V.** – see Balabai R.M. et al. **21**(1), 65-72
- Zavada M.** – Self-organization in irradiated semiconductor crystals caused by thermal annealing – Zavada M. et al. **21**(2), 130-133
- Zavyalova L.V.** – see Tatyanyenko N.P. et al. **21**(3), 263-272
- Zdeshchyts A.V.** – see Balabai R.M. et al. **21**(1), 65-72
- Zhuchenko Z.Ya.** – see Kurlov S.S. et al. **21**(2), 180-186