

---

---

Author Index 2024

---

---

Author Index 2024

A

- Abderrafi K.** – see Fatihi D. *et al.* – 27 (3). P. 337-347.
- Abulla H.T.** – see Ahmad B.M. *et al.* – 27 (4). P. 427-435.
- Adhiri R.** – see Fatihi D. *et al.* – 27 (3). P. 337-347.
- Ahmad B.M.** *et al.* – Theoretical calculations of the properties of the binary compound semiconductor GaSb. – 27 (4). P. 427-435.
- Aliksandrov M.A.** – see Melezhyk Ye.O. *et al.* – 27 (4). P.397-403.
- Amrin M.I.** *et al.* – Green synthesis of silver oxide nanoparticles using *Trigonella foenum-graecum* leaf extract and their characterization. – 27 (2). P. 162-168.

B

- Babes B.** – see Bouzid F. *et al.* – 27 (2). P. 224-234.
- Babuka T.Ya.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.
- Bacherikov Yu.Yu.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Bacherikov Yu.Yu.** *et al.* – Multifunctional spectrophotometric sensor based on photosensitive capacitor. – 27 (4). P. 495-501.
- Baki A.Q.** *et al.* – Numerical study of single-layer and interlayer grating polarizers based on metasurface structures for quantum key distribution systems. – 27 (1). P. 109-116.
- Baturin V.A.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Bekirov B.E.** – see Savchenko D.V. *et al.* – 27 (2). P. 151-156.
- Belyaev A.E.** *et al.* – Metal oxides for electronics and the SPQEO journal. – 27 (2). P. 130-135.
- Belyaev A.E.** *et al.* – Science in 2025-2027 and the SPQEO journal. – 27 (1). P. 004-009.
- Benitta T.A.** – see Rose M.M. *et al.* – 27 (2). P. 176-183.
- Berezovska N.I.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.
- Bhandari M.P.** – see Fatihi D. *et al.* – 27 (3). P. 337-347.
- Bielinskyi A.O.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Bilanych V.S.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.
- Biletskiy A.I.** – see Kukla O.L. *et al.* – 27 (4). P. 478-488.
- Bilorusets V.V.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Boltovets M.S.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.

- Boncel S.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Borkovska L.V.** *et al.* – Detection of buried mines and other explosive devices using a single-beam laser Doppler vibrometer. – 27 (4). P. 472-477.
- Bouzid F.** *et al.* – Modeling and simulation of a high power InGaP/GaAs heterojunction alphavoltaic battery irradiated by americium-241. – 27 (2). P. 224-234.
- Boyko M.I.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.
- Bozhko K.M.** – see Fedorenko A.V. *et al.* – 27 (1). P. 117-123.
- Budnyk O.P.** *et al.* – Spectral features of pristine and irradiated white emitting InGaN LEDs with quantum wells. – 27 (2). P. 235-241.
- Bychok A.V.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Bykov O.I.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.

C

- Çetin A.** – see Yalçınkaya A. *et al.* – 27 (3). P. 320-327.
- Chegel V.I.** – see Hudzenko I.I. *et al.* – 27 (3). P. 315-319.
- Chernenko V.V.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.
- Christy R.S.** – see Rose M.M. *et al.* – 27 (2). P. 176-183.
- Chumak M.E.** – see Budnyk O.P. *et al.* – 27 (2). P. 235-241.

D

- Dachdemirov A.O.** – see Niftiyev N.N. *et al.* – 27 (2). P. 189-193.
- Datsenko O.I.** *et al.* – Electron levels of defects in In(Ga)As/(In)GaAs nanostructures: A review. – 27 (2). P. 194-207.
- Degtyarev A.V.** *et al.* – Properties of focused combined modes of terahertz laser. – 27 (2). P. 216-223.
- Degtyarev A.V.** *et al.* – Tight focusing of terahertz vortex beams formed by laser dielectric resonator – 27 (3). P. 328-336.
- Dharmarajan P.** *et al.* – Phytosynthesis of titanium dioxide nanoparticles using *Cynodon dactylon* leaf extract and their antibacterial activity. – 27 (3). P. 287-293.
- Dikusha V.N.** – see Lukianov A.M. *et al.* – 27 (1). P. 054-063.
- Dmytruk A.M.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.
- Dmytruk I.M.** *et al.* – The influence of ultrafast laser processing on morphology and optical properties of Au-GaAs composite structure. – 27 (3). P. 261-268.

---

---

Author Index 2024

---

---

- Donchev I.I.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.  
**Dorozinsky G.V.** – see Samoylov A.V. *et al.* – 27 (4). P. 502-508.  
**Dubikovskiy O.V.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.  
**Dubikovskiy O.V.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.  
**Dubikovskiy O.V.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.  
**Dubin M.M.** – see Degtyarev A.V. *et al.* – 27 (3). P. 328-336.  
**Dubin M.M.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.  
**Dusheiko M.G.** – see Lukianov A.M. *et al.* – 27 (1). P. 054-063.  
**Dusheyko M.G.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.  
**Dvernikov B.F.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.  
**Dzhagan V.M.** – see Valakh M.Ya. *et al.* – 27 (2). P. 136-150.

E

- Efremov A.A.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.  
**Efremov A.A.** *et al.* – Study of fractality nature in VO<sub>2</sub> films and its influence on metal-insulator phase transition. – 27 (1). P. 028-039.  
**Evstigneev M.** – see Sachenko A.V. *et al.* – 27 (1). P. 010-027.  
**Evtukh A.A.** – see Pylypova O.V. *et al.* – 27 (2). P. 208-215.

F

- Fatihi D.** *et al.* – Increasing the efficiency of CIGS solar cells due to the reduced graphene oxide field layer of the back surface. – 27 (3). P. 337-347.  
**Fedchenko O.N.** – see Kukla O.L. *et al.* – 27 (4). P. 478-488.  
**Fedorenko A.V.** *et al.* – Optical and electrical properties of zinc oxide nanofilms deposited using the sol-gel method. – 27 (1). P. 117-123.  
**Filep M.J.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.  
**Filep M.J.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.  
**Filep M.J.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.  
**Filep M.J.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.

G

- Gazizulina A.S.** – see Parchinskiy P.B. *et al.* – 27 (3). P. 302-307.  
**Ghoneim S.S.M.** – see Bouzid F. *et al.* – 27 (2). P. 224-234.

- Gochuyeva A.F.** Thermophysical properties of manganese ferrite nanoparticles and manganese ferrite samples irradiated with  $\gamma$ -rays. – 27 (3). P. 298-301.  
**Golenkov O.** – see Tsybrii Z. *et al.* – 27 (4). P. 384-388.  
**Golenkov O.G.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.  
**Golovynskiy S.** – see Fatihi D. *et al.* – 27 (3). P. 337-347.  
**Golovynskiy S.** – see Datsenko O.I. *et al.* – 27 (2). P. 194-207.  
**Gracelin Juliana S.** – see Dharmarajan P. *et al.* – 27 (3). P. 287-293.  
**Gridina N.Ya.** – see Samoylov A.V. *et al.* – 27 (4). P. 502-508.  
**Gritsina V.I.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.  
**Gudymenko O.Yo.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.  
**Gurin O.V.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.

H

- Hoivanovych N.K.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.  
**Horobei O.Ya.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.  
**Hrabovskiy Ye.S.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.  
**Hudzenko I.I.** *et al.* – Concentration-dependent spectral rearrangement of photoluminescence in the nanocomposite material “polycarbonate matrix – gold nanostructures – multidomain HTTH dye” – 27 (3). P. 315-319.  
**Hyrman I.H.** – see Kovanzhi P.O. *et al.* – 27 (1). P. 095-108.

I

- Ibragimov G.B.** – see Kazimov M.V. *et al.* – 27 (2). P. 184-188.  
**Ievtushenko A.I.** *et al.* – The effect of substrate bias voltage on the properties of Al-doped ZnO films deposited by magnetron sputtering. – 27 (4). P. 418-426.  
**Ilchenko S.G.** *et al.* – Asymmetry of resonant forward/backward reflectivity of metal – multilayer-dielectric nanostructure. – 27 (1). P. 090-094.  
**Indira R.** – see Vella Durai S.C. *et al.* – 27 (1). P. 064-069.  
**Indutnyi I.Z.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.  
**Isaieva O.F.** – see Valakh M.Ya. *et al.* – 27 (2). P. 136-150.  
**Ismailov K.A.** – see Ismaylov B.K. *et al.* – 27 (3). P. 294-297.  
**Ismaylov B.K.** *et al.* – Physical mechanism of gettering of impurity Ni atom clusters in Si lattice. – 27 (3). P. 294-297.

**Author Index 2024**

- Ivanchenko I.V.** – see Savchenko D.V. *et al.* – 27 (2). P. 151-156.
- Izai V.Yu.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.
- Izai V.Yu.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.
- Izai V.Yu.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.
- K**
- Kachur N.V.** – see Fedorenko A.V. *et al.* – 27 (1). P. 117-123.
- Kalabukhova E.N.** – see Savchenko D.V. *et al.* – 27 (2). P. 151-156.
- Karpenko O.Y.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Karpyna V.A.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Kavetsky T.S.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Kayahan E.** – see Bouzid F. *et al.* – 27 (2). P. 224-234.
- Kazimov M.V.** *et al.* – Fabrication and performance characterization of  $Sb_2Se_3$ -GaSe eutectic systems. – 27 (2). P. 184-188.
- Kazmirenko V.A.** – see Voronov S.O. *et al.* – 27 (4). P. 436-443.
- Kenzhaev Z.T.** – see Ismaylov B.K. *et al.* – 27 (3). P. 294-297.
- Khomenkova L.Yu.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.
- Khomenkova L.Yu.** – see Samoylov A.V. *et al.* – 27 (4). P. 502-508.
- Khristosenko R.V.** – see Samoylov A.V. *et al.* – 27 (4). P. 502-508.
- Kiv A.E.** *et al.* – Multifractal signatures of light-driven self-organization in acrylated epoxidized soybean oil polymers. – 27 (3). P. 366-377.
- Klyui N.I.** – see Lukianov A.M. *et al.* – 27 (1). P. 054-063.
- Kochubei H.K.** – see Stronski A.V. *et al.* – 27 (4). P. 404-411.
- Kokhan O.P.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.
- Kokhan O.P.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.
- Kokhan O.P.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.
- Kolanowska A.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Kolomys O.F.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Kolomys O.F.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Kolomys O.F.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Kolomzarov Yu.V.** – see Kornaga V.I. *et al.* – 27 (2). P. 242-249.
- Kolomzarov Yu.V.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.
- Komanicky V.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Konakova R.V.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Kondratenko O.S.** – see Redko R.A. *et al.* – 27 (4). P. 489-494.
- Kondratenko O.S.** – see Kovanzhi P.O. *et al.* – 27 (1). P. 095-108.
- Kopčanský P.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Korbutyak D.V.** – see Pylypova O.V. *et al.* – 27 (2). P. 208-215.
- Korchovy A.A.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Korkishko R.M.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.
- Kornaga V.I.** *et al.* – Design of powerful high-performance drivers for special-purpose LED lighting systems. – 27 (2). P. 242-249.
- Kornaga V.I.** *et al.* – LED lighting systems for special applications with a wide range of supply voltages. – 27 (3). P. 348-355.
- Korotyeyev V.V.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.
- Korotyeyev V.V.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Korsunskaya N.O.** *et al.* – The dependence of electrical conductivity of  $Mg_xZn_{1-x}O$  ceramics on phase composition. – 27 (1). P. 070-078.
- Koshevyi K.I.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.
- Kosiakovskiy A.V.** – see Fedorenko A.V. *et al.* – 27 (1). P. 117-123.
- Kostylyov V.P.** – see Sachenko A.V. *et al.* – 27 (1). P. 010-027.
- Kosulya O.V.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Kosulya O.V.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.
- Kovalchuk O.V.** *et al.* – Effect of modification of nonwoven textiles with biochar and multi-walled carbon nanotubes on their dielectric properties. – 27 (3). P. 308-314.
- Kovalchuk T.M.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Kovanzhi P.O.** *et al.* – The conductivity effect of the top coating on optical properties of thin Cu(Ag)-layered structures. – 27 (1). P. 095-108.
- Kozoriz K.O.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.
- Kravchenko V.M.** – see Datsenko O.I. *et al.* – 27 (2). P. 194-207.
- Kravets V.G.** – see Kovanzhi P.O. *et al.* – 27 (1). P. 095-108.
- Kukhtaruk N.I.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.

Author Index 2024

- Kukla O.L.** *et al.* – Spectral SPR effect in thin films of high-conductive metals and features of SPR-biosensors implementation in chromatic mode. – 27 (4). P. 478-488.
- Kulbachinskiy O.A.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.
- Kulbachynskiy O.A.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.
- Kulbachynskiy O.A.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Kumar E.** – see Vella Durai S.C. *et al.* – 27 (1). P. 064-069.
- Kumaran J.T.T.** – see Rose M.M. *et al.* – 27 (2). P. 176-183.
- Kushniyazova M.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Kuznetsova D.A.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Kyslyi V.P.** – see Borkovska L.V. *et al.* – 27 (4). P. 472-477.

L

- Lementaryov V.V.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.
- Lopatynskiy A.M.** – see Hudzenko I.I. *et al.* – 27 (3). P. 315-319.
- Lotnyk A.A.** – see Stronski A.V. *et al.* – 27 (4). P. 404-411.
- Lozinskii V.B.** – see Lukianov A.M. *et al.* – 27 (1). P. 054-063.
- Lukianov A.M.** *et al.* – Effect of annealing in air on the properties of carbon-rich amorphous silicon carbide films. – 27 (1). P. 054-063.
- Lyaschuk Yu.M.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Lytvyn P.M.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Lytvyn P.M.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Lytvyn V.K.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Lytvyn V.K.** – see Hudzenko I.I. *et al.* – 27 (3). P. 315-319.
- Lyubchyk S.B.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.
- Lyubchyk S.I.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.

M

- Maksimenko Z.V.** – see Smertenko P. *et al.* – 27 (3). P. 256-260.
- Maksimenko Z.V.** – see Tsybrii Z. *et al.* – 27 (4). P. 384-388.
- Maksimenko Z.V.** – see Belyaev A.E. *et al.* – 27 (2). P. 130-135.

- Maksimenko Z.V.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Malakhovska T.O.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.
- Malakhovska T.O.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.
- Malakhovska T.O.** *et al.* – Structure and optical characterization of chitosan-chitin/Ag nanocomposite thin films. – 27 (1). P. 040-053.
- Malakhovska T.O.** *et al.* – Optical characteristics of microcrystalline powders of  $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Si}_x)\text{S}_6$  solid solutions. – 27 (4). P. 444-449.
- Mammadov F.M.** – see Niftiyev N.N. *et al.* – 27 (2). P. 189-193.
- Mamontova I.B.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Mamykin S.V.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.
- Mamykin S.V.** – see Redko R.A. *et al.* – 27 (4). P. 489-494.
- Mamykin S.V.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Mamykin S.V.** *et al.* – Dust-insensitive smoke detector based on plasmon-polariton photodetector. – 27 (4). P. 466-471.
- Mariano J.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Mariychuk R.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.
- Mariychuk R.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.
- Mariychuk R.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Markevich I.V.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.
- Maslov V.O.** – see Degtyarev A.V. *et al.* – 27 (3). P. 328-336.
- Maslov V.O.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.
- Maslov V.P.** – see Fedorenko A.V. *et al.* – 27 (1). P. 117-123.
- Maslyuk V.T.** – see Yavorskyi P.V. *et al.* – 27 (4). P. 450-456.
- Maziar D.M.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Maziar D.M.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Mazur N.V.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.
- Melezhyk Ye.O.** *et al.* – Numerical estimations of the maximal distance of target detection in the IR spectrum with decreasing the target-background temperature contrast. – 27 (4). P. 397-403.
- Melnichuk L.Yu.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.
- Melnichuk O.V.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.

---

---

**Author Index 2024**

---

---

- Melnik V.P.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.  
**Melnyk V.P.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.  
**Milenin G.V.** *et al.* – recombination Analysis of the transformation of radiative spectra of n-GaN after magnetic field treatments based on the queueing theories concept. – 27 (3). P. 269-273.  
**Milenin G.V.** *et al.* – Quantum features of low-energy photoluminescence of aluminum nitride films. – 27 (2). P. 157-161.  
**Minyaylo M.A.** – see Kornaga V.I. *et al.* – 27 (2). P. 242-249.  
**Morozhenko V.O.** – see Borkovska L.V. *et al.* – 27 (4). P. 472-477.  
**Muntean K.I.** – see Degtyarev A.V. *et al.* – 27 (3). P. 328-336.  
**Muntean K.I.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.  
**Muradov M.B.** – see Niftiyev N.N. *et al.* – 27 (2). P. 189-193.  
**Mushynska O.R.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.  
**Myanko V.I.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.

**N**

- Nasieka Iu.M.** *et al.* – Difference in the structure and morphology of CVD diamond films grown on negatively charged and grounded substrate holders: Optical study. – 27 (1). P. 079-089.  
**Nasirov A.A.** – see Parchinskiy P.B. *et al.* – 27 (3). P. 302-307.  
**Nastykh V.M.** – see Borkovska L.V. *et al.* – 27 (4). P. 472-477.  
**Niftiyev N.N.** *et al.* – Frequency dispersion of dielectric coefficients of MnGaInTe<sub>4</sub> crystals. – 27 (2). P. 189-193.  
**Nikolenko A.S.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.  
**Nykolaishyn O.V.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.

**O**

- Oberemok O.S.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.  
**Oberemok O.S.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.  
**Okhrimenko O.B.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.  
**Okhrimenko O.B.** *et al.* – Redistribution of radiative recombination centers in the SiC/por-SiC/Dy<sub>2</sub>O<sub>3</sub> structure under the influence of athermal microwave irradiation. – 27 (3). P. 274-279.  
**Opalev O.A.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.

**P**

- Pankiv L.I.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.  
**Parchinskiy P.B.** *et al.* – Anisotropic magneto-resistance of GaMnAs:Be. – 27 (3). P. 302-307.  
**Pekur D.** – see Smertenko P. *et al.* – 27 (3). P. 256-260.  
**Pekur D.V.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.  
**Pekur D.V.** – see Kornaga V.I. *et al.* – 27 (2). P. 242-249.  
**Pekur D.V.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.  
**Pezzimenti F.** – see Bouzid F. *et al.* – 27 (2). P. 224-234.  
**Pogodin A.I.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.  
**Pogodin A.I.** – see Shender I.O. *et al.* – 27 (2). P. 169-175.  
**Pogodin A.I.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.  
**Pogodin A.I.** *et al.* – Particularities of optical behavior of Ag<sub>8</sub>SiS<sub>6</sub> single crystal. – 27 (3). P. 280-286.  
**Polishchuk Yu.O.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.  
**Ponomarenko V.V.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.  
**Ponomaryov S.S.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.  
**Pop M.M.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.  
**Pop M.M.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.  
**Pop O.M.** – see Yavorskyi P.V. *et al.* – 27 (4). P. 450-456.  
**Popenko N.A.** – see Savchenko D.V. *et al.* – 27 (2). P. 151-156.  
**Popenko V.I.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.  
**Popenko V.I.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.  
**Poperenko L.V.** – see Kovanzhi P.O. *et al.* – 27 (1). P. 095-108.  
**Poplavko Yu.M.** – see Voronov S.O. *et al.* – 27 (4). P. 436-443.  
**Popovych M.V.** – see Stronski A.V. *et al.* – 27 (4). P. 404-411.  
**Prochazkova J.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.  
**Pundyk I.P.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.  
**Pylypov A.I.** – see Pylypova O.V. *et al.* – 27 (2). P. 208-215.  
**Pylypova O.V.** *et al.* – Composite polymer films with semiconductor nanocrystals for organic electronics and optoelectronics. – 27 (2). P. 208-215.

**R**

- Ramanathan G.** – see Dharmarajan P. *et al.* – 27 (3). P. 287-293.

Author Index 2024

- Rammoo M.N.S.** – see Ahmad B.M. *et al.* – 27 (4). P. 427-435.
- Redko R.A.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Redko R.A.** – see Milenin G.V. *et al.* – 27 (2). P. 157-161.
- Redko R.A.** – see Milenin G.V. *et al.* – 27 (3). P. 269-273.
- Redko R.A. et al.** – Magnetic field induced anomalous shift of plasmon resonance peak in Al-based plasmon-polariton photodetectors. – 27 (4). P. 489-494.
- Romanchuk V.V.** – see Samoylov A.V. *et al.* – 27 (4). P. 502-508.
- Romaniuk B.M.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.
- Romaniuk B.M.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Romanyuk B.M.** – see Valakh M.Ya. *et al.* – 27 (2). P. 136-150.
- Romanyuk B.M.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.
- Romanyuk V.R.** – see Dmytruk I.M. *et al.* – 27 (3). P. 261-268.
- Romanyuk V.R.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Rose M.M. et al.** – Phase transition and comparative study of  $\text{Cu}_x\text{Cd}_{1-x}\text{S}$  ( $x = 0.8, 0.6, 0.4,$  and  $0.2$ ) nanoparticle system. – 27 (2). P. 176-183.
- Roshan M.M.** – see Amrin M.I. *et al.* – 27 (2). P. 162-168.
- Ryabykh V.N.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.
- S**
- Sabov M.Yu.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Sabov T.M.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.
- Sabov T.M.** – see Yukhymchuk V.O. *et al.* – 27 (4). P. 412-417.
- Sachenko A.V. et al.** – Space charge region recombination in highly efficient silicon solar cells. – 27 (1). P. 010-027.
- Sadigov A.** – see Bacherikov Yu.Yu. *et al.* – 27 (4). P. 495-501.
- Saeed M.A.** – see Bouzid F. *et al.* – 27 (2). P. 224-234.
- Safarik I.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- SaiGowri R.** – see Amrin M.I. *et al.* – 27 (2). P. 162-168.
- Samoylov A.V. et al.** – Dual-channel SPR biosensor for enhanced glioma relapse diagnostics: Blood cell aggregation as a biomarker for tumor malignancy. – 27 (4). P. 502-508.
- Sapon S.V. et al.** – Properties of InSb photodiodes fabricated by ion implantation. – 27 (3). P. 356-365.
- Sapon S.V. et al.** – Si-based  $n^+-p^-p^+p^-p^+$  avalanche diode: Self-consistent modeling for infrared optoelectronic applications. – 27 (4). P. 457-465.
- Sarikov A.** – see Shmahlii S. *et al.* – 27 (4). P. 389-396.
- Sathishkumar P.** – see Dharmarajan P. *et al.* – 27 (3). P. 287-293.
- Šauša O.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Savchenko D.V. et al.** – Electronic and magnetic properties of  $\text{Zn}_{1-x}\text{Mn}_x\text{Se}:\text{Fe}^{2+},\text{Cr}^{2+}$  ( $x = 0.3$ ) single crystals. – 27 (2). P. 151-156.
- Savchuk Ye.M.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Savchuk Ye.M.** – see Redko R.A. *et al.* – 27 (4). P. 489-494.
- Semikina T.V.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Senyuta V.S.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.
- Serozkin Yu.G.** – see Borkovska L.V. *et al.* – 27 (4). P. 472-477.
- Shender I.O.** – see Pogodin A.I. *et al.* – 27 (3). P. 280-286.
- Shender I.O. et al.** – Microhardness of single-crystal samples of  $\text{Ag}_{7+x}(\text{P}_{1-x}\text{Ge}_x)\text{S}_6$  solid solutions. – 27 (2). P. 169-175.
- Shirshov Yu.M.** – see Kukla O.L. *et al.* – 27 (4). P. 478-488.
- Shmahlii S. et al.** – Influence of extended defects on melting behavior of 3C-SiC by molecular dynamics simulations. – 27 (4). P. 389-396.
- Shportko K.V.** – see Stronski A.V. *et al.* – 27 (4). P. 404-411.
- Shtykalo O.V.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Slusarenko M.A.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Smertenko P. S.** – see Tsybrii Z. *et al.* – 27 (4). P. 384-388.
- Smertenko P.S.** – see Belyaev A.E. *et al.* – 27 (2). P. 130-135.
- Smertenko P.S. et al.** – Optoelectronics and the SPQEO journal. – 27 (3). P. 256-260.
- Smertenko P.S.** – see Belyaev A.E. *et al.* – 27 (1). P. 004-009.
- Snopok B.A.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.
- Sokolov V.N.** – see Sapon S.V. *et al.* – 27 (4). P. 457-465.
- Soloviev E.O.** – see Borkovska L.V. *et al.* – 27 (4). P. 472-477.
- Soloviev V.N.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Sorokin V.M.** – see Kornaga V.I. *et al.* – 27 (2). P. 242-249.

---

---

Author Index 2024

---

---

- Sorokin V.M.** – see Smertenko P. *et al.* – 27 (3). P. 256-260.
- Sorokin V.M.** – see Kornaga V.I. *et al.* – 27 (3). P. 348-355.
- Stadnik O.A.** – see Efremov A.A. *et al.* – 27 (1). P. 028-039.
- Stara T.R.** – see Korsunskaya N.O. *et al.* – 27 (1). P. 070-078.
- Starik S.P.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Stratilat D.P.** – see Budnyk O.P. *et al.* – 27 (2). P. 235-241.
- Strelchuk V.V.** – see Okhrimenko O.B. *et al.* – 27 (3). P. 274-279.
- Strelchuk V.V.** – see Ievtushenko A.I. *et al.* – 27 (4). P. 418-426.
- Strelchuk V.V.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Strelnitskij V.E.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.
- Stronski A.V.** *et al.* – X-ray diffraction and Raman spectroscopy studies of Ga-Ge-Te alloys. – 27 (4). P. 404-411.
- Studeniyak Ya.I.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Studeniyak Ya.I.** – see Malakhovska T.O. *et al.* – 27 (4). P. 444-449.
- Švajdlenková H.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.
- Svystunov O.O.** – see Degtyarev A.V. *et al.* – 27 (3). P. 328-336.
- Svystunov O.O.** – see Degtyarev A.V. *et al.* – 27 (2). P. 216-223.
- T**
- Taranenko V.B.** – see Ilchenko S.G. *et al.* – 27 (1). P. 090-094.
- Tartachnyk V.P.** – see Budnyk O.P. *et al.* – 27 (2). P. 235-241.
- Tawfeeq S.K.** – see Baki A.Q. *et al.* – 27 (1). P. 109-116.
- Temchenko V.P.** – see Lukianov A.M. *et al.* – 27 (1). P. 054-063.
- Tochkovyi V.O.** – see Mamykin S.V. *et al.* – 27 (4). P. 466-471.
- Tokarev V.S.** – see Pylypova O.V. *et al.* – 27 (2). P. 208-215.
- Trokhaniak V.I.** – see Nasieka Iu.M. *et al.* – 27 (1). P. 079-089.
- Tsybrii Z.** *et al.* – Development of terahertz approaches for optoelectronics and the SPQEO journal. – 27 (4). P. 384-388.
- Tsybrii Z.F.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Tuzhykov A.V.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.

**V**

- Vakulchak V.V.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Valakh M.Ya.** *et al.* – Variation of the metal-insulator phase transition temperature in VO<sub>2</sub>: An overview of some possible implementation methods. – 27 (2). P. 136-150.
- Vella Durai S.C.** – see Dharmarajan P. *et al.* – 27 (3). P. 287-293.
- Vella Durai S.C.** *et al.* – Green route to prepare zinc oxide nanoparticles using *Moringa oleifera* leaf extracts and their structural, optical and impedance spectral properties. – 27 (1). P. 064-069.
- Vella Durai S.C.** – see Amrin M.I. *et al.* – 27 (2). P. 162-168.
- Vorobiov S.** – see Malakhovska T.O. *et al.* – 27 (1). P. 040-053.
- Voronov S.O.** *et al.* – Thermoelastic polarization and other effects in polar semiconductors. – 27 (4). P. 436-443.

**Y**

- Yačinkaya A.** *et al.* – Characteristic frequencies of transverse electric modes in a double negative slab waveguide with Kerr-type nonlinearity. – 27 (3). P. 320-327.
- Yavorskyi P.V.** *et al.* – Sensory properties of dosimetric materials under conditions of parameter fluctuations: Monte Carlo method. – 27 (4). P. 450-456.
- Yefanov V.S.** – see Valakh M.Ya. *et al.* – 27 (2). P. 136-150.
- Yefanov V.S.** – see Yuhymchuk V.O. *et al.* – 27 (4). P. 412-417.
- Yuhymchuk V.O.** – see Valakh M.Ya. *et al.* – 27 (2). P. 136-150.
- Yuhymchuk V.O.** *et al.* – Formation and properties of GeSn:C films on silicon substrates. – 27 (4). P. 412-417.
- Yuldashev Sh.U.** – see Parchinskiy P.B. *et al.* – 27 (3). P. 302-307.

**Z**

- Zabudsky V.V.** – see Sapon S.V. *et al.* – 27 (3). P. 356-365.
- Zabudsky V.V.** – see Melezhyk Ye.O. *et al.* – 27 (4). P. 397-403.
- Zikrillayev N.F.** – see Ismaylov B.K. *et al.* – 27 (3). P. 294-297.
- Zolochevska K.** – see Kovalchuk O.V. *et al.* – 27 (3). P. 308-314.
- Zubrytska O.V.** – see Kiv A.E. *et al.* – 27 (3). P. 366-377.