

Peter Lytvyn

List of Publications by Year in descending order

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214
papers

1,819
citations

361296

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h-index

395590

33
g-index

215
all docs

215
docs citations

215
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc oxide - analogue of GaN with new perspective possibilities. Crystal Research and Technology, 2004, 39, 980-992.	0.6	142
2	Low-Temperature Reduction of Graphene Oxide: Electrical Conductance and Scanning Kelvin Probe Force Microscopy. Nanoscale Research Letters, 2018, 13, 139.	3.1	63
3	Raman Submicron Spatial Mapping of Individual Mn-doped ZnO Nanorods. Nanoscale Research Letters, 2017, 12, 351.	3.1	51
4	The role of beneficial bacteria wall elasticity in regulating innate immune response. EPMA Journal, 2015, 6, 13.	3.3	48
5	Real-time atomic force microscopy imaging of photoinduced surface deformation in As _x Se _{100-x} chalcogenide films. Applied Physics Letters, 2010, 96, 111908.	1.5	45
6	Microscopic and optical investigation of Ge nanoislands on silicon substrates. Nanotechnology, 2002, 13, 81-85.	1.3	44
7	DNA nanotechnology of carbon nanotube cells: physico-chemical models of self-organization and properties. Materials Science and Engineering C, 2002, 19, 41-45.	3.8	43
8	Photoinduced mass-transport based holographic recording of surface relief gratings in amorphous selenium films. Applied Physics Letters, 2011, 99, 051906.	1.5	39
9	Electrolytic molybdenum oxides in lithium batteries. Journal of Solid State Electrochemistry, 2005, 9, 96-105.	1.2	38
10	Substrate effects on the strain relaxation in GaN/AlN short-period superlattices. Nanoscale Research Letters, 2012, 7, 289.	3.1	37
11	Surface morphology of as-deposited and illuminated As ₂ Se chalcogenide thin films. Journal of Non-Crystalline Solids, 2009, 355, 1993-1997.	1.5	36
12	Vickers Hardness of Diamond and cBN Single Crystals: AFM Approach. Crystals, 2017, 7, 369.	1.0	36
13	Alternating matter motion in photoinduced mass transport driven and enhanced by light polarization in amorphous chalcogenide films. Applied Physics Letters, 2010, 97, 031905.	1.5	35
14	Structural-phase transformations in SiO _x films in the course of vacuum heat treatment. Semiconductors, 2003, 37, 97-102.	0.2	28
15	Comparative studies of mechanical properties of stishovite and sapphire single crystals by nanoindentation. Journal of Superhard Materials, 2010, 32, 406-414.	0.5	26
16	Room Temperature Near-Infrared Photoresponse Based on Interband Transitions in In _{0.35} Ga _{0.65} As Multiple Quantum Dot Photodetector. IEEE Electron Device Letters, 2008, 29, 224-227.	2.2	25
17	Light-induced mass transport in amorphous chalcogenides: Toward surface plasmon-assisted nanolithography and near-field nanoimaging. Physica Status Solidi (B): Basic Research, 2014, 251, 1354-1362.	0.7	25
18	Preparation and optical properties of highly luminescent colloidal single-layer carbon nitride. RSC Advances, 2015, 5, 46843-46849.	1.7	24

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19	Electron beam-induced mass transport in As _x Se thin films: compositional dependence and glass network topological effects. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 245303.	1.3	21
20	Fabrication of Periodic Plasmonic Structures Using Interference Lithography and Chalcogenide Photoresist. <i>Nanoscale Research Letters</i> , 2015, 10, 497.	3.1	21
21	Au-TiB _x -n-6H-SiC Schottky barrier diodes: Specific features of charge transport in rectifying and nonrectifying contacts. <i>Semiconductors</i> , 2009, 43, 865-871.	0.2	20
22	Structural transformation and functional properties of vanadium oxide films after low-temperature annealing. <i>Thin Solid Films</i> , 2014, 564, 179-185.	0.8	20
23	Field and photo-field electron emission from self-assembled Ge _x Si nanostructures with quantum dots. <i>Progress in Surface Science</i> , 2003, 74, 305-318.	3.8	19
24	Gigantic uphill diffusion during self-assembled growth of Ge quantum dots on strained SiGe sublayers. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	19
25	Luminescent ZnS:Cu films prepared by chemical methods. <i>Semiconductors</i> , 2000, 34, 1128-1132.	0.2	18
26	Influence of plasma discharge on the structure of polytetrafluoroethylene film and step coverage on polymer substrate. <i>Materials Science and Engineering C</i> , 2007, 27, 1227-1231.	3.8	17
27	Nanoscale Electrostructural Characterization of Compositionally Graded Al _x Ga _{1-x} N Heterostructures on GaN/Sapphire (0001) Substrate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23320-23327.	4.0	17
28	Selective light-induced mass transport in amorphous As _x Se _{100-x} films driven by the composition tuning: Effect of temperature on maximum acceleration. <i>Journal of Non-Crystalline Solids</i> , 2018, 493, 86-93.	1.5	17
29	Deep traps in GaAs/InGaAs quantum wells and quantum dots, studied by noise spectroscopy. <i>Journal of Applied Physics</i> , 2008, 104, 103709.	1.1	16
30	E-beam induced mass transport in amorphous As ₂₀ Se ₈₀ films. <i>Materials Letters</i> , 2012, 85, 113-116.	1.3	16
31	Direct Magnetic Relief Recording Using As ₄₀ Se ₆₀ : Mn _x Se Nanocomposite Multilayer Structures. <i>Nanoscale Research Letters</i> , 2017, 12, 286.	3.1	16
32	Polarization Effects in Graded AlGaIn Nanolayers Revealed by Current-Sensing and Kelvin Probe Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6755-6763.	4.0	16
33	Persistence of (In,Ga)As quantum-dot chains under index deviation from GaAs(100). <i>Applied Physics Letters</i> , 2004, 84, 4681-4683.	1.5	15
34	Two-dimensional ordering of (In,Ga)As quantum dots in vertical multilayers grown on GaAs(100) and (n11). <i>Applied Physics Letters</i> , 2007, 91, .	1.5	15
35	Synthesis and properties of porous SiC ceramics. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	15
36	Nanomechanical properties of pure and doped Ta ₂ O ₅ and the effect of microwave irradiation. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 475304.	1.3	15

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37	Theoretical and experimental investigations of single- and multilayer structures with SiGe nanoislands. <i>Materials Science and Engineering C</i> , 2003, 23, 1027-1031.	3.8	14
38	Interface roughness scattering in laterally coupled InGaAs quantum wires. <i>Applied Physics Letters</i> , 2010, 97, 262103.	1.5	14
39	Isotropic Hall effect and "freeze-in" of carriers in the InGaAs self-assembled quantum wires. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	14
40	Dynamic of Laser Ablation in SiC. <i>Materials Science Forum</i> , 2004, 457-460, 411-414.	0.3	13
41	Initial stages of chain formation in a single layer of (In,Ga)As quantum dots grown on GaAs (100). <i>Applied Physics Letters</i> , 2007, 91, .	1.5	13
42	One-dimensional features of In(Ga)As/GaAs dot chain structures with changeable interdot coupling. <i>New Journal of Physics</i> , 2009, 11, 043022.	1.2	13
43	Characterization of graphene layers by Kelvin probe force microscopy and micro-Raman spectroscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1172-1175.	0.8	13
44	Plasma treatment as a versatile tool for tuning of sorption properties of thin nanoporous carbon films. <i>Applied Surface Science</i> , 2021, 544, 148876.	3.1	13
45	Observation of unique blister-like surface features on amorphous metallic alloys following bombardment with deuterium ions. <i>Journal of Nuclear Materials</i> , 2008, 376, 125-127.	1.3	12
46	Influence of template type and buffer strain on structural properties of GaN multilayer quantum wells grown by PAMBE, an x-ray study. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 025403.	1.3	12
47	The Peculiarities of Strain Relaxation in GaN/AlN Superlattices Grown on Vicinal GaN (0001) Substrate: Comparative XRD and AFM Study. <i>Nanoscale Research Letters</i> , 2016, 11, 252.	3.1	12
48	Photoluminescence, conductivity and structural study of terbium doped ZnO films grown on different substrates. <i>Materials Science in Semiconductor Processing</i> , 2019, 94, 51-56.	1.9	12
49	CdSe nanoparticles grown with different chelates. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2006, 9, 75-79.	0.3	12
50	Laser processing and characterization of ZnS-Cu thin films. <i>Applied Surface Science</i> , 2005, 247, 434-439.	3.1	11
51	Electron-beam induced variation of surface profile in amorphous As ₂₀ Se ₈₀ films. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	11
52	Multifractal analysis of areas of spatial forms on surface of Zn Cd _{1-x} Te _x /Si (111) heterocompositions. <i>Journal of Crystal Growth</i> , 2014, 404, 204-209.	0.7	11
53	Local Strain and Crystalline Defects in GaN/AlGaIn/GaN(0001) Heterostructures Induced by Compositionally Graded AlGaIn Buried Layers. <i>Crystal Growth and Design</i> , 2019, 19, 200-210.	1.4	11
54	Microwave-stimulated relaxation of internal strains in GaAs-based device heterostructures. <i>Technical Physics Letters</i> , 2002, 28, 154-156.	0.2	10

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55	Effect of dimensionality and morphology on polarized photoluminescence in quantum dot-chain structures. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	10
56	Formation of Nanoporous Anodic Alumina by Anodization of Aluminum Films on Glass Substrates. <i>Nanoscale Research Letters</i> , 2016, 11, 203.	3.1	10
57	Structure and Properties of WC-Co Composites with Different CrB ₂ Concentrations, Sintered by Vacuum Hot Pressing, for Drill Bits. <i>Journal of Superhard Materials</i> , 2021, 43, 344-354.	0.5	10
58	Diluted magnetic semiconductors based on II-VI, III-VI, and IV-VI compounds. <i>Low Temperature Physics</i> , 2009, 35, 62-70.	0.2	9
59	Tailoring the electrical properties of Ge/GaAs by film deposition rate and preparation of fully compensated Ge films. <i>Physical Review B</i> , 2011, 84, .	1.1	9
60	Effect of film growth rate and thickness on properties of Ge/GaAs(100) thin films. <i>Thin Solid Films</i> , 2014, 550, 715-722.	0.8	9
61	Optical and structural properties of Mn-doped ZnO nanorods grown by aqueous chemical growth for spintronic applications. <i>Thin Solid Films</i> , 2016, 601, 22-27.	0.8	9
62	Investigation of undoped and Tb-doped ZnO films on Al ₂ O ₃ substrate by infrared reflection method. <i>Thin Solid Films</i> , 2019, 673, 136-140.	0.8	9
63	Magnetic and optical properties of printed ZnO:Co polycrystalline layers. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106054.	1.9	9
64	The influence of TiB ₂ -thin film thickness on metal-GaAs structural characteristics. <i>Thin Solid Films</i> , 2000, 373, 79-83.	0.8	8
65	Near/Far-Field Investigations of the Interaction between Surface Waves and Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 1283-1294.	0.7	8
66	Effect of microwave annealing on silicon dioxide/silicon carbide structures. <i>Technical Physics</i> , 2003, 48, 598-601.	0.2	8
67	Multifractal spectrums for volumes of spatial forms on surface of Zn x Cd 1-x Te-Si (111) heterostructures and estimation of the fractal surface energy. <i>Journal of Crystal Growth</i> , 2016, 450, 28-33.	0.7	8
68	Au Gratings Fabricated by Interference Lithography for Experimental Study of Localized and Propagating Surface Plasmons. <i>Nanoscale Research Letters</i> , 2017, 12, 190.	3.1	8
69	Impact of Surface Plasmon Polaritons on Silver Photodiffusion into As ₂ S ₃ Film. <i>Plasmonics</i> , 2021, 16, 181-188.	1.8	8
70	AFM surface imaging of thermally oxidized hydrogenated crystalline silicon. <i>Applied Surface Science</i> , 2002, 191, 148-152.	3.1	7
71	Giant enhancement of elastic surface plasmon-polariton scattering. <i>Optics Express</i> , 2010, 18, 43.	1.7	7
72	Structural study of Ge/GaAs thin films. <i>Journal of Physics: Conference Series</i> , 2012, 371, 012040.	0.3	7

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73	Improved core model of indentation and its application to measure diamond hardness. Journal of Superhard Materials, 2016, 38, 289-305.	0.5	7
74	Direct Determination of 3D Distribution of Elemental Composition in Single Semiconductor Nanoislands by Scanning Auger Microscopy. Nanoscale Research Letters, 2016, 11, 103.	3.1	7
75	Kinetically controlled transition from 2D nanostructured films to 3D multifaceted InN nanocrystals on GaN(0001). CrystEngComm, 2018, 20, 1499-1508.	1.3	7
76	Interphase interactions and features of structural relaxation in TiB _x -n-GaAs (InP, GaP, 6H-SiC) contacts subjected to active treatment. Semiconductors, 2004, 38, 737-741.	0.2	6
77	Conductive-atomic force microscopy characterization of Ta ₂ O ₅ /SiO ₂ stacks and the effect of microwave irradiation. Journal Physics D: Applied Physics, 2009, 42, 145301.	1.3	6
78	Conducting and topographic AFM analysis of Hf-doped and Al-doped Ta ₂ O ₅ films. Thin Solid Films, 2011, 519, 8182-8190.	0.8	6
79	Scanning confocal Raman spectroscopy of silicon phase distribution in individual Si nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1012-1016.	0.8	6
80	Structure and mechanical properties of Ti-Al-Si-N protective coatings deposited from separated plasma of a vacuum arc. Journal of Superhard Materials, 2013, 35, 20-28.	0.5	6
81	Substrate-induced self-assembly of donor-acceptor type compounds with terminal thiocarbonyl groups. Thin Solid Films, 2013, 539, 127-133.	0.8	6
82	Formation of Nanoscale Structures on Chalcogenide Films. Physica Status Solidi (B): Basic Research, 2018, 255, 1700405.	0.7	6
83	Structure and Mechanical Properties of Ti-Al-C and Ti-Al-Si-C Films: Experimental and First-Principles Studies. Journal of Superhard Materials, 2021, 43, 100-110.	0.5	6
84	Growth-sector dependence of morphological, structural and optical features in boron-doped HPHT diamond crystals. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2021, 24, 261-271.	0.3	6
85	Impact of defects on photoexcited carrier relaxation dynamics in GeSn thin films. Journal of Physics Condensed Matter, 2020, 33, 065702.	0.7	6
86	Ultrasonic assisted nanomanipulations with atomic force microscope. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2009, 13, 036-042.	0.3	6
87	Reflectometry Study of Nanoporous Films with Arrays of Gold Nanoparticles. Ukrainian Journal of Physics, 2014, 59, 915-921.	0.1	6
88	Chemically produced ZnS: Cu films: Structure, properties, and mechanism of electroluminescence. Technical Physics, 2002, 47, 978-982.	0.2	5
89	Microsize defects in InGaAs/GaAs A/B multilayers quantum dot stacks. Journal of Crystal Growth, 2005, 284, 47-56.	0.7	5
90	Changes of Surface Properties of Yeast Cell Wall Under Exposure of Electromagnetic Field (40.68) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	5

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91	Lateral ordering of quantum dots and wires in the (In,Ga)As/GaAs(100) multilayer structures. Semiconductors, 2007, 41, 73-80.	0.2	5
92	Engineering of 3D self-directed quantum dot ordering in multilayer InGaAs/GaAs nanostructures by means of flux gas composition. Nanotechnology, 2008, 19, 505605.	1.3	5
93	Three-dimensional ordering in self-organized (In,Ga)As quantum dot multilayer structures. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1748-1751.	0.8	5
94	Multifractal parameterization of space forms on surfaces of Zn x Cd1 - x Te-Si(111) heterocompositions and its relationship to the conditions of layer synthesis. Russian Journal of Physical Chemistry A, 2014, 88, 1375-1381.	0.1	5
95	Effect of well/barrier thickness ratio on strain relaxation in GaN/AlN superlattices grown on GaN/sapphire template. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, .	0.6	5
96	Strain relaxation in GaN/AlN superlattices on GaN(0001) substrate: Combined superlattice-to-substrate lattice misfit and thickness-dependent effects. Materials and Design, 2018, 157, 141-150.	3.3	5
97	Highly porous carbon films fabricated by magnetron plasma enhanced chemical vapor deposition: Structure, properties and implementation. Applied Surface Science, 2019, 496, 143735.	3.1	5
98	Toward deposition of organic solid with controlled morphology on selected surfaces. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	5
99	Plasmon-Stimulated Photodoping in the Thin-Layer As ₂ S ₃ -Ag Structure. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 127, 938-942.	0.2	5
100	Growth kinetics and nanoscale structure-property relationships of InN nanostructures on GaN(0001). Applied Surface Science, 2021, 537, 147997.	3.1	5
101	Indium segregation in ultra-thin In(Ga)As/GaAs single quantum wells revealed by photoluminescence spectroscopy. Applied Physics Letters, 2021, 118, .	1.5	5
102	Effect of electron-beam treatment of sensor glass substrates for SPR devices on their metrological characteristics. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2019, 22, 444-451.	0.3	5
103	Digital micro-photogrammetry in analysis and modeling habit and sectoral structure of real high-pressure high-temperature single-crystal diamonds. Review of Scientific Instruments, 2022, 93, 033903.	0.6	5
104	Self formation of Si nanostructured layer at the metal silicide/silicon interface. Materials Science and Engineering C, 2003, 23, 181-186.	3.8	4
105	Formation of nanostructure on surface of SiC by laser radiation. Physica Status Solidi A, 2003, 195, 199-203.	1.7	4
106	Peculiarities of the formation and thermal stability of barrier contacts in high-sensitivity silicon carbide detector diodes. Technical Physics Letters, 2003, 29, 22-25.	0.2	4
107	Phase Transition on Surface of IV Group Semiconductors by Laser Radiation. Solid State Phenomena, 2005, 108-109, 345-350.	0.3	4
108	Direct surface relief formation in As-S(Se) layers. Proceedings of SPIE, 2010, , .	0.8	4

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109	Effects of the lateral ordering of self-assembled SiGe nanoislands grown on strained Si _{1-x} Ge _x buffer layers. <i>Semiconductors</i> , 2012, 46, 647-654.	0.2	4
110	Magnetic and structural changes in the near-surface epitaxial Y ₂₉₅ La ₀₀₅ Fe ₅ O ₁₂ films after high-dose ion implantation. <i>Applied Optics</i> , 2016, 55, B144.	0.9	4
111	RF plasma treatment of shallow ion-implanted layers of germanium. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 204-209.	1.9	4
112	Surface potential of meso-dimensional ZnS:Mn particles obtained using SHS method. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	4
113	Efficient SERS substrates based on laterally ordered gold nanostructures made using interference lithography. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2019, 22, 215-223.	0.3	4
114	A silicon carbide thermistor. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2006, 9, 67-70.	0.3	4
115	Formation of nanostructures on surface of SiC by laser radiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 101, 155-158.	1.7	3
116	Phase and structural changes stimulated in multilayer contacts to n-GaAs by rapid thermal annealing. <i>Semiconductors</i> , 2003, 37, 1114-1118.	0.2	3
117	Barrier Material Improvement in AlGaIn/GaN Microwave Transistors Under Gamma Irradiation Treatment. <i>Materials Research Society Symposia Proceedings</i> , 2003, 764, 1.	0.1	3
118	Spectral Characteristics and Surface Morphology of Organic Polymer Films Containing Vanadium Pentoxide Nanoparticles. <i>Russian Journal of Electrochemistry</i> , 2004, 40, 259-266.	0.3	3
119	Self-Organization of Three-Dimensional Lead Telluride Nanoislands under Conditions Close to Thermodynamic Equilibrium. <i>Technical Physics Letters</i> , 2005, 31, 716.	0.2	3
120	Quantized field-electron emission at 300K in self-assembled arrays of silicon nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 37, 212-217.	1.3	3
121	Alignment and optical polarization of InGaAs quantum wires on GaAs high index surfaces. <i>Materials Letters</i> , 2011, 65, 1427-1430.	1.3	3
122	Identification of nanoscale structure and morphology reconstruction in oxidized a-SiC:H thin films. <i>Applied Surface Science</i> , 2012, 260, 73-76.	3.1	3
123	Calcein and calcein- ⁶⁴ Ag films under vapor exposure: Sensing properties and reversible film restructuring. <i>Talanta</i> , 2012, 101, 267-272.	2.9	3
124	Temperature driven three-dimensional ordering of InGaAs/GaAs quantum dot superlattices grown under As ₂ gas flux. <i>Applied Surface Science</i> , 2014, 305, 689-696.	3.1	3
125	Spatial distribution of free carrier concentration in vertical GaN Gunn diode structures studied by confocal micro-Raman spectroscopy and Kelvin probe force microscopy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 269-273.	0.8	3
126	Mechanisms of the degradation of Schottky-barrier photodiodes based on ZnS single crystals. <i>Semiconductors</i> , 2016, 50, 112-119.	0.2	3

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127	Invariance of multifractal spectrums of spatial forms on the surface of $Zn_xCd_{1-x}Te$ Si heterocompositions synthesized by electron beam epitaxy and hot wall epitaxy. <i>Journal of Crystal Growth</i> , 2017, 475, 144-149.	0.7	3
128	Enhanced recrystallization and dopant activation of P+ ion-implanted super-thin Ge layers by RF hydrogen plasma treatment. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, .	0.6	3
129	Micro-Raman spectroscopy and electrical conductivity of graphene layer on SiO_2 dielectric subjected to electron beam irradiation. <i>Materials Research Express</i> , 2018, 5, 116405.	0.8	3
130	Investigation of structural changes in As_xSe_{100-x} amorphous thin films after electron beam irradiation with XAFS, XANES and Kelvin force microscopy. <i>Applied Surface Science</i> , 2020, 530, 147266.	3.1	3
131	Influence of different aligning surfaces on the morphology of dichroic squaraine films. <i>Polymer Bulletin</i> , 2021, 78, 1313-1329.	1.7	3
132	Nanoprobe spectroscopy of capillary forces and its application for a real surface diagnostics. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2010, 13, 111-124.	0.3	3
133	Laser oscillation in $Cr^{2+}:ZnS$ waveguide thin-film structures under electrical pumping with impact excitation mechanism. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2011, 14, 339-343.	0.3	3
134	Growth of silicon self-assembled nanowires by using gold-enhanced CVD technology. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2018, 21, 282-287.	0.3	3
135	Structural, optical and magnetic properties of stencil-free printed ZnO layers doped with Fe^{2+} and Fe^{3+} ions. <i>Materials Chemistry and Physics</i> , 2022, 276, 125329.	2.0	3
136	Current transfer processes in a hydrated layer localized in a two-layer porous structure of nanosized ZrO_2 . <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2753-2764.	1.1	3
137	On the nature of transition layer and heat tolerance of $TiB_x/GaAs$ -based contacts. <i>Applied Surface Science</i> , 2000, 166, 520-525.	3.1	2
138	Electrolytic Preparation of Vanadium(V) Oxide from Saturated Solutions of Ammonium Metavanadate. <i>Russian Journal of Applied Chemistry</i> , 2001, 74, 1474-1478.	0.1	2
139	Effect of Rapid Thermal Annealing Conditions on Parameters of $Ni/21R-SiC$ Contacts. <i>Materials Science Forum</i> , 2002, 389-393, 905-908.	0.3	2
140	Electrolytic Synthesis of Binary Oxide Systems Based on Manganese(II) Oxide. <i>Russian Journal of Applied Chemistry</i> , 2002, 75, 213-218.	0.1	2
141	Nanocomposite Si/Diamond Layers: Room Temperature Visible-Light Emitting Systems. <i>Chemical Vapor Deposition</i> , 2003, 9, 139-143.	1.4	2
142	Electrolytic Iron Sulfide Products in Lithium Batteries. <i>Russian Journal of Electrochemistry</i> , 2004, 40, 736-742.	0.3	2
143	Formation of rocking curves for quasi-forbidden reflections in short-periodic superlattices $GaAs/AlGaAs$. <i>Journal of Applied Crystallography</i> , 2004, 37, 150-155.	1.9	2
144	Thermal stability of multilayer contacts on gallium nitride. <i>Technical Physics Letters</i> , 2005, 31, 1078-1081.	0.2	2

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145	Radiation effects and interphase interactions in ohmic and barrier contacts to indium phosphide as induced by rapid thermal annealing and irradiation with I^{β} -ray ^{60}Co photons. <i>Semiconductors</i> , 2010, 44, 1559-1566.	0.2	2
146	Macro- and nanoscopic capillary effects on nanostructured real surfaces. <i>Journal of Superhard Materials</i> , 2012, 34, 81-94.	0.5	2
147	Effect of electron beam irradiation on structural and electrical properties of graphene-SiO ₂ -Si structures. , 2017, , .		2
148	Sputtering effects on mirrors made of different tungsten grades. <i>Journal of Nuclear Materials</i> , 2018, 500, 56-63.	1.3	2
149	Modification of GaN thin film on sapphire substrate optical properties under weak magnetic fields. <i>Materials Research Express</i> , 2019, 6, 036413.	0.8	2
150	Graphitic Nanoporous Carbon Thin Films: Fabrication Method, Structural, Electrical and Gas Sensor Properties. <i>ECS Transactions</i> , 2020, 97, 151-156.	0.3	2
151	Conductivity-Type Conversion in Self-Assembled GeSn Stripes on Ge/Si(100) under Electric Field. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4388-4397.	2.0	2
152	Graphene layers fabricated from the Ni/a-SiC bilayer precursor. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2013, 16, 322-330.	0.3	2
153	Light-induced mass transport in amorphous chalcogenides/gold nanoparticles composites. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2013, 16, 354-361.	0.3	2
154	The growth of weakly coupled graphene sheets from silicon carbide powder. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2014, 17, 301-307.	0.3	2
155	Screen-printed p-CdTe layers for CdS/CdTe solar cells. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2008, 8, 61-65.	0.3	2
156	Magnetic force microscopy of YLaFeO films implanted by high dose of nitrogen ions. <i>Semiconductor Physics, Quantum Electronics and Optoelectronics</i> , 2013, 16, 246-252.	0.3	2
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