

Demid Kirilenko

List of Publications by Year in descending order

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200
papers

2,684
citations

201575

27
h-index

265120

42
g-index

202
all docs

202
docs citations

202
times ranked

3263
citing authors

#	ARTICLE	IF	CITATIONS
1	From graphene oxide towards aminated graphene: facile synthesis, its structure and electronic properties. <i>Scientific Reports</i> , 2020, 10, 6902.	1.6	114
2	Facile reduction of graphene oxide suspensions and films using glass wafers. <i>Scientific Reports</i> , 2018, 8, 14154.	1.6	110
3	Preparation and luminescence of bulk oxyfluoride glasses doped with Ag nanoclusters. <i>Optics Express</i> , 2010, 18, 22032.	1.7	98
4	Optimizing Er/Yb ratio and content in Er ³⁺ /Yb co-doped glass-ceramics for enhancement of the up- and down-conversion luminescence. <i>Solar Energy Materials and Solar Cells</i> , 2012, 100, 209-215.	3.0	86
5	Nanoscale Perforation of Graphene Oxide during Photoreduction Process in the Argon Atmosphere. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28261-28269.	1.5	85
6	Monodisperse spherical mesoporous silica particles: fast synthesis procedure and fabrication of photonic-crystal films. <i>Nanotechnology</i> , 2013, 24, 155601.	1.3	74
7	Rehybridization of carbon on facets of detonation diamond nanocrystals and forming hydrosols of individual particles. <i>Carbon</i> , 2017, 122, 737-745.	5.4	72
8	Monolayer graphene from graphite oxide. <i>Diamond and Related Materials</i> , 2011, 20, 105-108.	1.8	66
9	Modulating nitrogen species via N-doping and post annealing of graphene derivatives: XPS and XAS examination. <i>Carbon</i> , 2021, 182, 593-604.	5.4	66
10	First mirrors in ITER: material choice and deposition prevention/cleaning techniques. <i>Nuclear Fusion</i> , 2012, 52, 013017.	1.6	52
11	Luminescence of oxyfluoride glasses co-doped with Ag nanoclusters and Yb ³⁺ ions. <i>RSC Advances</i> , 2012, 2, 1496-1501.	1.7	52
12	Insight into the performance of multi-color InGaN/GaN nanorod light emitting diodes. <i>Scientific Reports</i> , 2018, 8, 7311.	1.6	51
13	Structure of nanodiamonds prepared by laser synthesis. <i>Physics of the Solid State</i> , 2013, 55, 1747-1753.	0.2	49
14	Measuring the corrugation amplitude of suspended and supported graphene. <i>Physical Review B</i> , 2011, 84, .	1.1	46
15	Graphite structural transformations during intercalation by HNO ₃ and exfoliation. <i>Carbon</i> , 2010, 48, 1862-1865.	5.4	45
16	High-surface area spherical micro-mesoporous silica particles. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 225-229.	2.2	45
17	Large-Scale Laser Fabrication of Antifouling Silicon-Surface Nanosheet Arrays via Nanoplasmonic Ablative Self-Organization in Liquid CS ₂ Tracked by a Sulfur Dopant. <i>ACS Applied Nano Materials</i> , 2018, 1, 2461-2468.	2.4	36
18	Hole-matrixed carbonylated graphene: Synthesis, properties, and highly-selective ammonia gas sensing. <i>Carbon</i> , 2021, 172, 236-247.	5.4	34

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19	Size-Dependent Bioactivity of Silver Nanoparticles: Antibacterial Properties, Influence on Copper Status in Mice, and Whole-Body Turnover. <i>Nanotechnology, Science and Applications</i> , 2020, Volume 13, 137-157.	4.6	33
20	Tailoring the size and microporosity of StÄ¶ber silica particles. <i>Microporous and Mesoporous Materials</i> , 2018, 258, 205-210.	2.2	32
21	Controllable spherical aggregation of monodisperse carbon nanodots. <i>Nanoscale</i> , 2018, 10, 13223-13235.	2.8	32
22	Effect of heat-treatment on luminescence and structure of Ag nanoclusters doped oxyfluoride glasses and implication for fiber drawing. <i>Optical Materials</i> , 2012, 34, 616-621.	1.7	31
23	Template synthesis of monodisperse carbon nanodots. <i>Physics of the Solid State</i> , 2016, 58, 2545-2549.	0.2	31
24	Unveiling a facile approach for large-scale synthesis of N-doped graphene with tuned electrical properties. <i>2D Materials</i> , 2020, 7, 045001.	2.0	31
25	Multiwall MoS2 tubes as optical resonators. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	30
26	Preparation, structural and optical characterization of nanocrystalline ZnO doped with luminescent Ag-nanoclusters. <i>Optical Materials Express</i> , 2012, 2, 723.	1.6	29
27	Droplet epitaxy mediated growth of GaN nanostructures on Si (111) <i>via</i> plasma-assisted molecular beam epitaxy. <i>CrystEngComm</i> , 2018, 20, 3370-3380.	1.3	29
28	Milligram-per-second femtosecond laser production of Se nanoparticle inks and ink-jet printing of nanophotonic 2D-patterns. <i>Applied Surface Science</i> , 2018, 436, 662-669.	3.1	28
29	Light-assisted nucleation of silver nanowires during polyol synthesis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 220-223.	2.0	27
30	The impact of ultra-low amounts of introduced reactive POSS nanoparticles on structure, dynamics and properties of densely cross-linked cyanate ester resins. <i>European Polymer Journal</i> , 2015, 67, 128-142.	2.6	27
31	InAs/AlGaAs quantum dots for single-photon emission in a red spectral range. <i>Scientific Reports</i> , 2018, 8, 5299.	1.6	27
32	Quantum cutting in Li (770 nm) and Yb (1000 nm) co-dopant emission bands by energy transfer from the ZnO nano-crystalline host. <i>Optics Express</i> , 2011, 19, 15955.	1.7	26
33	Core-shell monodisperse spherical mSiO2/Gd2O3:Eu3+@mSiO2 particles as potential multifunctional theranostic agents. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	26
34	Unified mechanism of the surface Fermi level pinning in III-As nanowires. <i>Nanotechnology</i> , 2018, 29, 314003.	1.3	26
35	The impact of ultra-low amounts of amino-modified MMT on dynamics and properties of densely cross-linked cyanate ester resins. <i>Nanoscale Research Letters</i> , 2015, 10, 165.	3.1	25
36	Tunable polymorphism of epitaxial iron oxides in the four-in-one ferroic-on-GaN system with magnetically ordered $\hat{1}\pm, \hat{1}^3$; $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \acute{E} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sim} \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$, and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$	0.9	21

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37	Single-layer graphene oxide films on a silicon surface. Technical Physics, 2013, 58, 1614-1618.	0.2	20
38	One-step synthesis of a suspended ultrathin graphene oxide film: Application in transmission electron microscopy. Micron, 2015, 68, 23-26.	1.1	20
39	New silver nanoparticles induce apoptosis-like process in <i>E. coli</i> and interfere with mammalian copper metabolism. International Journal of Nanomedicine, 2016, Volume 11, 6561-6574.	3.3	20
40	Segregated Network Polymer Composites with High Electrical Conductivity and Well Mechanical Properties based on PVC, P(VDF-TFE), UHMWPE, and rGO. ACS Omega, 2020, 5, 25148-25155.	1.6	20
41	Structural and Optical Properties of Self-Catalyzed Axially Heterostructured GaPN/GaP Nanowires Embedded into a Flexible Silicone Membrane. Nanomaterials, 2020, 10, 2110.	1.9	20
42	High temperature phthalonitrile nanocomposites with silicon based nanoparticles of different nature and surface modification: Structure, dynamics, properties. Polymer, 2019, 165, 39-54.	1.8	18
43	Light-Emitting Field-Effect Transistors Based on Composite Films of Polyfluorene and CsPbBr ₃ Nanocrystals. Physics of the Solid State, 2019, 61, 256-262.	0.2	18
44	Self-Catalyzed MBE-Grown GaP Nanowires on Si(111): V/III Ratio Effects on the Morphology and Crystal Phase Switching. Semiconductors, 2018, 52, 2092-2095.	0.2	17
45	High performance multi-functional cyanate ester oligomer-based network and epoxy-POSS containing nanocomposites: Structure, dynamics, and properties. Polymer Composites, 2020, 41, 1900-1912.	2.3	17
46	Unveiling structural, chemical and magnetic interfacial peculiarities in $\mu\text{-Fe}_2\text{O}_3/\text{GaN}$ (0001) epitaxial films. Scientific Reports, 2018, 8, 8741.	1.6	16
47	Molecular Beam Epitaxy of Layered Group III Metal Chalcogenides on GaAs(001) Substrates. Materials, 2020, 13, 3447.	1.3	16
48	Micro-mesoporous submicron silica particles with pore size tunable in a wide range: synthesis, properties and prospects for LED manufacturing. Nanotechnology, 2021, 32, 215604.	1.3	16
49	Rewritable and Tunable Laser-Induced Optical Gratings in Phase-Change Material Films. ACS Applied Materials & Interfaces, 2021, 13, 32031-32036.	4.0	16
50	Structural and luminescent properties of Gd oxide doped with Eu ³⁺ embedded in mesopores of SiO ₂ particles. Journal of Alloys and Compounds, 2016, 678, 434-438.	2.8	15
51	Ultracentrifugation for ultrafine nanodiamond fractionation. Superlattices and Microstructures, 2018, 113, 204-212.	1.4	15
52	Photonic crystals and glasses from monodisperse spherical mesoporous silica particles filled with nickel. Physics of the Solid State, 2014, 56, 1033-1038.	0.2	14
53	Observing visible-range photoluminescence in GaAs nanowires modified by laser irradiation. Journal of Applied Physics, 2017, 121, .	1.1	14
54	Low-Temperature Atmospheric Pressure Plasma-Enhanced CVD of Nanocomposite Coatings of Molybdenum Disulfide (Filler)–Silicon Oxide (Matrix). Advanced Materials Interfaces, 2017, 4, 1700241.	1.9	14

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55	Control of Conductivity of In _x Ga _{1-x} As Nanowires by Applied Tension and Surface States. Nano Letters, 2019, 19, 4463-4469.	4.5	14
56	Effective Suppression of Antiphase Domains in GaP(N)/GaP Heterostructures on Si(001). Crystal Growth and Design, 2019, 19, 4510-4520.	1.4	14
57	Ultralow blocking temperature and breakdown of the giant spin model in Er^{3+} nanoparticles. Physical Review B, 2010, 82, .	1.1	13
58	Silica subnanometer-sized nodes, nanoclusters and aggregates in Cyanate Ester Resin-based networks: Structure and properties of hybrid subnano- and nanocomposites. European Polymer Journal, 2016, 85, 375-389.	2.6	13
59	Oriented-attachment growth of diamond single crystal from detonation nanodiamonds. Diamond and Related Materials, 2017, 75, 85-90.	1.8	13
60	High-temperature hybrid phthalonitrile/amino-MMT nanocomposites: Synthesis, structure, properties. EXPRESS Polymer Letters, 2019, 13, 656-672.	1.1	13
61	Peculiarities of strain relaxation in linearly graded In _x Ga _{1-x} As/GaAs(001) metamorphic buffer layers grown by molecular beam epitaxy. Journal of Crystal Growth, 2016, 455, 83-89.	0.7	12
62	Correlated topographic and structural modification on Si surface during multi-shot femtosecond laser exposures: Si nanopolymorphs as potential local structural nanomarkers. Applied Surface Science, 2017, 416, 988-995.	3.1	12
63	Exciton Bound to 1D Intersection of Stacking Fault Plane with a ZnSe Quantum Well. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700410.	1.2	12
64	Novel approach of controllable stoichiometric fabrication of alloyed Au/Ag nanoparticles by nanosecond laser ablation of thin bi-layered films in water. Laser Physics Letters, 2019, 16, 096002.	0.6	12
65	Properties of AlN films deposited by reactive ion-plasma sputtering. Semiconductors, 2015, 49, 1383-1387.	0.2	11
66	Dynamics and properties of high performance amorphous Cyanate Ester-based subnanocomposites with ultralow silica content and quasi-regular structure. Polymer, 2016, 103, 36-40.	1.8	11
67	GaN _P -based photovoltaic device integrated on Si substrate. Solar Energy Materials and Solar Cells, 2020, 206, 110282.	3.0	11
68	Fast and Controllable Synthesis of Core-Shell Fe ₃ O ₄ -C Nanoparticles by Aerosol CVD. ACS Omega, 2020, 5, 8146-8150.	1.6	11
69	Correlation between crystal structure and magnetism in PLD grown epitaxial films of μ -Fe ₂ O ₃ on GaN. Science and Technology of Advanced Materials, 2021, 22, 85-99.	2.8	11
70	Single GaP nanowire nonlinear characterization with the aid of an optical trap. Nanoscale, 2022, 14, 993-1000.	2.8	11
71	Features of molecular-beam epitaxy and structural properties of AlInSb-based heterostructures. Semiconductors, 2011, 45, 1327-1333.	0.2	10
72	CuO nanowhiskers: Preparation, structure features, properties, and applications. Materials Science and Technology, 2018, 34, 2126-2135.	0.8	10

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73	Localization and transient emission properties in InGaN/GaN quantum wells of different polarities within core-shell nanorods. <i>Nanoscale</i> , 2019, 11, 193-199.	2.8	10
74	Interface controlled electronic variations in correlated heterostructures. <i>Physical Review B</i> , 2010, 82, .	1.1	9
75	Multiperiod quantum-cascade nanoheterostructures: Epitaxy and diagnostics. <i>Semiconductors</i> , 2014, 48, 1600-1604.	0.2	9
76	Revealing the structure of composite nanodiamond-graphene oxide aqueous dispersions by small-angle scattering. <i>Diamond and Related Materials</i> , 2020, 103, 107670.	1.8	9
77	Multi-colour light emission from InGaN nanowires monolithically grown on Si substrate by MBE. <i>Nanotechnology</i> , 2021, 32, 335604.	1.3	9
78	Features of the structure and defect states in hydrogenated polymorphous silicon films. <i>JETP Letters</i> , 2013, 97, 466-469.	0.4	8
79	TEM investigation of semipolar GaN layers grown on Si(001) offcut substrates. <i>Semiconductor Science and Technology</i> , 2015, 30, 114002.	1.0	8
80	Nanostructure, dynamics, and mechanical properties of nanocomposites based on polyurethane-poly (2-hydroxyethyl methacrylate) semi-interpenetrating polymer network with ultra-low MWCNT contents. <i>Polymer Composites</i> , 2018, 39, 263-273.	2.3	8
81	Effective Method for Obtaining the Hydrosols of Detonation Nanodiamond with Particle Size < 4 nm. <i>Materials</i> , 2018, 11, 1285.	1.3	8
82	Molecular-Beam Epitaxy of Two-Dimensional GaSe Layers on GaAs(001) and GaAs(112) Substrates: Structural and Optical Properties. <i>Semiconductors</i> , 2019, 53, 1131-1137.	0.2	8
83	Structural and optical characterization of dilute phosphide planar heterostructures with high nitrogen content on silicon. <i>CrystEngComm</i> , 2020, 22, 283-292.	1.3	8
84	Laser-Induced Magnetization Precession in Individual Magnetoelastic Domains of a Multiferroic $\text{Co}_{40}\text{Fe}_8\text{Mn}_{20}\text{B}_{20}\text{O}$ Physical Review Applied, 2020, 14, .		
85	Tailoring Morphology and Vertical Yield of Self-Catalyzed GaP Nanowires on Template-Free Si Substrates. <i>Nanomaterials</i> , 2021, 11, 1949.	1.9	8
86	Guiding Graphene Derivatization for the On-Chip Multisensor Arrays: From the Synthesis to the Theoretical Background. <i>Advanced Materials Technologies</i> , 0, , 2101250.	3.0	8
87	Silicon Nanowire-Based Room-Temperature Multi-environment Ammonia Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 9940-9949.	2.4	8
88	Diagnostic mirrors with transparent protection layer for ITER. <i>Fusion Engineering and Design</i> , 2011, 86, 1341-1344.	1.0	7
89	Oxygen Nitrogen Mixture Effect on Aluminum Nitride Synthesis by Reactive Ion Plasma Deposition. <i>Semiconductors</i> , 2018, 52, 184-188.	0.2	7
90	Strain relaxation in convex-graded In _x Al _{1-x} As (x = 0.05-0.79) metamorphic buffer layers grown by molecular beam epitaxy on GaAs(001). <i>Superlattices and Microstructures</i> , 2018, 113, 777-784.	1.4	7

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91	Fabrication of doxorubicin-loaded monodisperse spherical micro-mesoporous silicon particles for enhanced inhibition of cancer cell proliferation. <i>Microporous and Mesoporous Materials</i> , 2019, 281, 1-8.	2.2	7
92	Thermal decomposition of GaAs nanowires. <i>Nanotechnology</i> , 2020, 31, 055701.	1.3	7
93	MoS ₂ flake as a van der Waals homostructure: luminescence properties and optical anisotropy. <i>Nanoscale</i> , 2021, 13, 17566-17575.	2.8	7
94	A comprehensive study of biocompatibility of detonation nanodiamonds. <i>Journal of Molecular Liquids</i> , 2021, 332, 115763.	2.3	7
95	Magnetic Properties of Bacterial Magnetosomes Produced by <i>Magnetospirillum caucaseum</i> SO-1. <i>Microorganisms</i> , 2021, 9, 1854.	1.6	7
96	Phase composition and photoluminescence correlations in nanocrystalline ZrO ₂ :Eu ³⁺ phosphors synthesized under hydrothermal conditions. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, , 378-388.	0.2	7
97	Guiding graphene derivatization for covalent immobilization of aptamers. <i>Carbon</i> , 2022, 196, 264-279.	5.4	7
98	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. <i>ACS Applied Nano Materials</i> , 2022, 5, 8846-8858.	2.4	7
99	Experimental determination of dead layer thickness for excitons in a wide GaAs/AlGaAs quantum well. <i>Physics of the Solid State</i> , 2009, 51, 1929-1934.	0.2	6
100	Symmetry and electronic states of Mn ²⁺ in ZnS nanowires with mixed hexagonal and cubic stacking. <i>Applied Physics Letters</i> , 2010, 97, 041918.	1.5	6
101	SiPM prototype for direct VUV registration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 787, 348-352.	0.7	6
102	Large-area crystalline GaN slabs. <i>Technical Physics Letters</i> , 2015, 41, 246-248.	0.2	6
103	Incorporating silica into cyanate ester-based network by sol-gel method: Structure and properties of subnano- and nanocomposites. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	6
104	Complex use of the diffraction techniques in depth profiling of the crystal lattice parameter and composition of InGaAs/GaAs gradient layers. <i>Technical Physics Letters</i> , 2016, 42, 464-467.	0.2	6
105	Selective area growth of N-polar GaN nanorods by plasma-assisted MBE on micro-cone-patterned c-sapphire substrates. <i>Journal of Crystal Growth</i> , 2017, 477, 207-211.	0.7	6
106	The Extracellular Domain of Human High Affinity Copper Transporter (hNdCTR1), Synthesized by E. coli Cells, Chelates Silver and Copper Ions In Vivo. <i>Biomolecules</i> , 2017, 7, 78.	1.8	6
107	New method for MBE growth of GaAs nanowires on silicon using colloidal Au nanoparticles. <i>Nanotechnology</i> , 2018, 29, 045602.	1.3	6
108	Fluorescence enhancement of monodisperse carbon nanodots treated with aqueous ammonia and hydrogen peroxide. <i>Nanotechnology</i> , 2019, 30, 475601.	1.3	6

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109	Soluble and insoluble polymer-inorganic systems based on poly(methyl methacrylate), modified with ZrO ₂ -LnO _{1.5} (Ln = Eu, Tb) nanoparticles: Comparison of their photoluminescence. Journal of Luminescence, 2019, 207, 157-168.	1.5	6
110	Recrystallization of CsPbBr ₃ Nanoparticles in Fluoropolymer Nonwoven Mats for Down- and Up-Conversion of Light. Nanomaterials, 2021, 11, 412.	1.9	6
111	Near-far IR photoconductivity damping in hyperdoped Si at low temperatures. Optical Materials Express, 2021, 11, 3792.	1.6	6
112	TEM study of defect structure of GaN epitaxial films grown on GaN/Al ₂ O ₃ substrates with buried column pattern. Journal of Crystal Growth, 2016, 445, 30-36.	0.7	5
113	Chloride epitaxy of \hat{I}^2 -Ga ₂ O ₃ layers grown on c-sapphire substrates. Semiconductors, 2016, 50, 980-983.	0.2	5
114	Single-Photon Emitter at 80 K Based on a Dielectric Nanoantenna with a CdSe/ZnSe Quantum Dot. JETP Letters, 2018, 108, 201-204.	0.4	5
115	Blue shift of the plasmon resonance in fluoride photo-thermo-refractive glass. Optical Materials Express, 2018, 8, 2734.	1.6	5
116	Super-Heat Resistant Polymer Nanocomposites Based on Heterocyclic Networks: Structure and Properties. Physics of the Solid State, 2019, 61, 1494-1501.	0.2	5
117	Multifunctional Sulfur-Hyperdoped Silicon Nanoparticles with Engineered Mid-Infrared Sulfur-Impurity and Free-Carrier Absorption. Particle and Particle Systems Characterization, 2020, 37, 2000010.	1.2	5
118	Silver melamine thin film as a flexible platform for SERS analysis. Nanoscale, 2021, 13, 7375-7380.	2.8	5
119	XRD Evaluation of Wurtzite Phase in MBE Grown Self-Catalyzed GaP Nanowires. Nanomaterials, 2021, 11, 960.	1.9	5
120	Work function tailoring in gallium phosphide nanowires. Applied Surface Science, 2021, 563, 150018.	3.1	5
121	Cobalt oxide decorated porous silica particles: Structure and activity relationship in the catalytic oxidation of carbon monoxide. Applied Surface Science, 2022, 579, 152121.	3.1	5
122	Effect of PbZr _{0.52} Ti _{0.48} O ₃ thin layer on structure, electronic and magnetic properties of La _{0.65} Sr _{0.35} MnO ₃ and La _{0.65} Ca _{0.30} MnO ₃ thin-films. Journal of Applied Physics, 2011, 109, 113707.	1.1	4
123	Graphene/silicon carbide-based scaffolds. Journal Physics D: Applied Physics, 2012, 45, 335303.	1.3	4
124	A study of the intermediate layer in 3C-SiC/6H-SiC heterostructures. Journal of Crystal Growth, 2014, 396, 100-103.	0.7	4
125	Control over structural-dimensional characteristics of tungsten disulfide particles in aerosol-assisted chemical vapor deposition. Russian Journal of Applied Chemistry, 2016, 89, 1948-1954.	0.1	4
126	Measuring the height-to-height correlation function of corrugation in suspended graphene. Ultramicroscopy, 2016, 165, 1-7.	0.8	4

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127	Nanoscale visualization of electronic properties of Al _x Ga _{1-x} N/Al _y Ga _{1-y} N multiple quantum-well heterostructure by spreading resistance microscopy. <i>Journal of Applied Physics</i> , 2017, 121, 014305.	1.1	4
128	Formation of AgInS ₂ /ZnS Colloidal Nanocrystals and Their Photoluminescence Properties. <i>Physics of the Solid State</i> , 2019, 61, 2325-2328.	0.2	4
129	Influence of Stabilizing Ion Content on the Structure, Photoluminescence and Biological Properties of Zr _{1-x} Eu _x O ₂ ·0.5x Nanoparticles. <i>Crystals</i> , 2020, 10, 1038.	1.0	4
130	Molybdenum/tungsten disulfide solid solutions nanoparticles formation by aerosol-assisted CVD. <i>Solid State Sciences</i> , 2021, 115, 106583.	1.5	4
131	Effect of crystal structure on the Young's modulus of GaP nanowires. <i>Nanotechnology</i> , 2021, 32, 385706.	1.3	4
132	Impact of interface recombination on quantum efficiency of a-Si:H/c-Si solar cells based on Si wires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2100339.	0.8	4
133	Structural and Optical Properties of GaSe/GaAs(001) Layers Grown by Molecular Beam Epitaxy. <i>Acta Physica Polonica A</i> , 2019, 136, 608-612.	0.2	4
134	Structure and photoluminescent properties of TiO ₂ :Eu ³⁺ nanoparticles synthesized under hydro and solvothermal conditions from different precursors. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2019, , 361-373.	0.2	4
135	Formation of Silicon Nanoclusters in Disproportionation of Silicon Monoxide. <i>Semiconductors</i> , 2021, 55, 423.	0.2	4
136	High reflective mirrors for in-vessel applications in ITER. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 623, 809-811.	0.7	3
137	Electron diffraction measurement of the binding rigidity of free-standing graphene. <i>Technical Physics Letters</i> , 2013, 39, 325-328.	0.2	3
138	Investigation of the transition layer in 3C-SiC/6H-SiC heterostructures. <i>Semiconductors</i> , 2013, 47, 1539-1543.	0.2	3
139	Low-Temperature Transport Properties of Graphene and Multilayer Graphene on 6H-SiC. <i>Materials Science Forum</i> , 0, 740-742, 137-140.	0.3	3
140	Analysis of stacking faults in gallium nitride by Fourier transform of high-resolution images. <i>Technical Physics Letters</i> , 2014, 40, 1117-1120.	0.2	3
141	Optical properties of metal nanoparticles in chrysotile channels. <i>Technical Physics Letters</i> , 2016, 42, 656-658.	0.2	3
142	Nucleation of silica Nanoparticles in the presence of methacryloxypropyltrimethoxysilane. <i>Colloid Journal</i> , 2017, 79, 56-60.	0.5	3
143	Preparation of Transparent N-Zn:Al / P-CuAlCrO ₂ Heterojunction Diode by Sol-Gel Technology. <i>Reviews on Advanced Materials Science</i> , 2018, 57, 167-174.	1.4	3
144	Model experiment on a glass-forming Pd-Ni-Cu-P alloy. <i>European Physical Journal: Special Topics</i> , 2020, 229, 157-165.	1.2	3

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145	Sonication assisted advanced oxidation process: hybrid method for deagglomeration of detonation nanodiamond particles. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-7.	1.0	3
146	Biocompatible acid-degradable micro-mesoporous CaCO ₃ :Si:Fe nanoparticles potential for drug delivery. Microporous and Mesoporous Materials, 2022, 333, 111762.	2.2	3
147	A Blueprint for the Synthesis and Characterization of Thiolated Graphene. Nanomaterials, 2022, 12, 45.	1.9	3
148	Polyvinylpyrrolidone as a Stabilizer in Synthesis of AgInS ₂ Quantum Dots. Nanomaterials, 2022, 12, 2357.	1.9	3
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