Demid Kirilenko

List of Publications by Year in descending order

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200	2,684	201385	264894
papers	citations	27 h-index	42 g-index

202	202	202	3263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Single GaP nanowire nonlinear characterization with the aid of an optical trap. Nanoscale, 2022, 14, 993-1000.	2.8	11
3	Biocompatible acid-degradable micro-mesoporous CaCO3:Si:Fe nanoparticles potential for drug delivery. Microporous and Mesoporous Materials, 2022, 333, 111762.	2.2	3
4	A Blueprint for the Synthesis and Characterization of Thiolated Graphene. Nanomaterials, 2022, 12, 45.	1.9	3
5	Molecular beam epitaxy and polarized excitonic emission of layered GaTe/GaAs thin films. Journal of Crystal Growth, 2022, 592, 126716.	0.7	1
6	Guiding graphene derivatization for covalent immobilization of aptamers. Carbon, 2022, 196, 264-279.	5.4	7
7	Nanoscale Gallium Phosphide Epilayers on Sapphire for Low-Loss Visible Nanophotonics. ACS Applied Nano Materials, 2022, 5, 8846-8858.	2.4	7
8	Silicon Nanowire-Based Room-Temperature Multi-environment Ammonia Detection. ACS Applied Nano Materials, 2022, 5, 9940-9949.	2.4	8
9	Polyvinylpyrrolidone as a Stabilizer in Synthesis of AgInS2 Quantum Dots. Nanomaterials, 2022, 12, 2357.	1.9	3
10	Formation of spherical microporous silica particles from organosilane and quat molecules. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129633.	2.3	2
11	Hole-matrixed carbonylated graphene: Synthesis, properties, and highly-selective ammonia gas sensing. Carbon, 2021, 172, 236-247.	5.4	34
12	Silver melamine thin film as a flexible platform for SERS analysis. Nanoscale, 2021, 13, 7375-7380.	2.8	5
13	MoS₂ flake as a van der Waals homostructure: luminescence properties and optical anisotropy. Nanoscale, 2021, 13, 17566-17575.	2.8	7
14	Correlation between crystal structure and magnetism in PLD grown epitaxial films of Îµ-Fe₂O₃ on GaN. Science and Technology of Advanced Materials, 2021, 22, 85-99.	2.8	11
15	Recrystallization of CsPbBr3 Nanoparticles in Fluoropolymer Nonwoven Mats for Down- and Up-Conversion of Light. Nanomaterials, 2021, 11, 412.	1.9	6
16	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
17	Deagglomeration of polycrystalline diamond synthesized from graphite by shock-compression. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 779-782.	1.0	1
18	XRD Evaluation of Wurtzite Phase in MBE Grown Self-Catalyzed GaP Nanowires. Nanomaterials, 2021, 11, 960.	1.9	5

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19	Molybdenum/tungsten disulfide solid solutions nanoparticles formation by aerosol-assisted CVD. Solid State Sciences, 2021, 115, 106583.	1.5	4
20	Multi-colour light emission from InGaN nanowires monolithically grown on Si substrate by MBE. Nanotechnology, 2021, 32, 335604.	1.3	9
21	A comprehensive study of biocompatibility of detonation nanodiamonds. Journal of Molecular Liquids, 2021, 332, 115763.	2.3	7
22	Rewritable and Tunable Laser-Induced Optical Gratings in Phase-Change Material Films. ACS Applied Materials & Interfaces, 2021, 13, 32031-32036.	4.0	16
23	Effect of crystal structure on the Youngâ€™s modulus of GaP nanowires. Nanotechnology, 2021, 32, 385706.	1.3	4
24	Anomalously Large Burgers Vectors of Screw Dislocations in Gallium Nitride Nanowires. Crystallography Reports, 2021, 66, 644-647.	0.1	0
25	Formation of Hexagonal Ge Stripes on the Side Facets of AlGaAs Nanowires: Implications for Near-Infrared Detectors. ACS Applied Nano Materials, 2021, 4, 7289-7294.	2.4	2
26	Tailoring Morphology and Vertical Yield of Self-Catalyzed GaP Nanowires on Template-Free Si Substrates. Nanomaterials, 2021, 11, 1949.	1.9	8
27	Synthesis and magnetic properties of cobalt ferrite nanoparticles formed under hydro and solvothermal conditions. Nanosystems: Physics, Chemistry, Mathematics, 2021, 12, 492-504.	0.2	2
28	Magnetic Properties of Bacterial Magnetosomes Produced by Magnetospirillum caucaseum SO-1. Microorganisms, 2021, 9, 1854.	1.6	7
29	Modulating nitrogen species via N-doping and post annealing of graphene derivatives: XPS and XAS examination. Carbon, 2021, 182, 593-604.	5.4	66
30	Work function tailoring in gallium phosphide nanowires. Applied Surface Science, 2021, 563, 150018.	3.1	5
31	Mid-IR-Sensitive n/p-Junction Fabricated on p-Type Si Surface via Ultrashort Pulse Laser n-Type Hyperdoping and High-Temperature Annealing. ACS Applied Electronic Materials, 2021, 3, 769-777.	2.0	1
32	Porous Silica Particles Modified in a NH3 + H2O + H2O2 Mixture: Structure, Filling with Cobalt Oxide, and Catalytic Activity for CO Conversion. Inorganic Materials, 2021, 57, 906-912.	0.2	2
33	Small-Angle Neutron Scattering Study of Graphene-Nanodiamond Composites for Biosensor and Electronic Applications. Journal of Surface Investigation, 2021, 15, 896-898.	0.1	1
34	Near-far IR photoconductivity damping in hyperdoped Si at low temperatures. Optical Materials Express, 2021, 11, 3792.	1.6	6
35	Formation of Silicon Nanoclusters in Disproportionation of Silicon Monoxide. Semiconductors, 2021, 55, 423.	0.2	4
36	Synthesis of Monodisperse MoS2 Nanoparticles by the Template Method. Semiconductors, 2021, 55, 525.	0.2	0

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37	Multiporous Silica Nanoparticles with Carbon Nanodots: Synthesis, Optoelectronic and Biomedical Applications. Physics of the Solid State, 2021, 63, 1704-1710.	0.2	0
38	Thermal decomposition of GaAs nanowires. Nanotechnology, 2020, 31, 055701.	1.3	7
39	Structural and optical characterization of dilute phosphide planar heterostructures with high nitrogen content on silicon. CrystEngComm, 2020, 22, 283-292.	1.3	8
40	Revealing the structure of composite nanodiamondâ€“graphene oxide aqueous dispersions by small-angle scattering. Diamond and Related Materials, 2020, 103, 107670.	1.8	9
41	GaNP-based photovoltaic device integrated on Si substrate. Solar Energy Materials and Solar Cells, 2020, 206, 110282.	3.0	11
42	Laser-Induced Magnetization Precession in Individual Magnetoelastic Domains of a Multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Co</mml:mi><mml:mn>40</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:mn>40</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mn>20</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:msub><mml:mrow mathvariant="normal">O</. Physical Review Applied, 2020, 14, .	1.5	8
43	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
44	Influence of Stabilizing Ion Content on the Structure, Photoluminescence and Biological Properties of Zr1â€“xEuxO2â€“0.5x Nanoparticles. Crystals, 2020, 10, 1038.	1.0	4
45	Laser Formation of Colloidal Sulfur- and Carbon-Doped Silicon Nanoparticles. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2020, 128, 897-901.	0.2	2
46	Molecular Beam Epitaxy of Layered Group III Metal Chalcogenides on GaAs(001) Substrates. Materials, 2020, 13, 3447.	1.3	16
47	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
48	Controllable antiphase domain density in dilute nitride GaPN/GaP heterostructures on silicon. Journal of Physics: Conference Series, 2020, 1461, 012039.	0.3	0
49	Unveiling a facile approach for large-scale synthesis of N-doped graphene with tuned electrical properties. 2D Materials, 2020, 7, 045001.	2.0	31
50	Multifunctional Sulfurâ€Hyperdoped Silicon Nanoparticles with Engineered Midâ€Infrared Sulfurâ€Impurity and Freeâ€Carrier Absorption. Particle and Particle Systems Characterization, 2020, 37, 2000010.	1.2	5
51	Formation of GaN Nanorods in Monodisperse Spherical Mesoporous Silica Particles. Semiconductors, 2020, 54, 782-787.	0.2	0
52	Formation of Anisotropic Hydroxyapatite Particles under Hydrothermal Conditions. Russian Journal of Applied Chemistry, 2020, 93, 633-638.	0.1	1
53	Model experiment on a glass-forming Pd-Ni-Cu-P alloy. European Physical Journal: Special Topics, 2020, 229, 157-165.	1.2	3
54	High performance multiâ€functional cyanate ester oligomerâ€based network and epoxyâ€POSS containing nanocomposites: Structure, dynamics, and properties. Polymer Composites, 2020, 41, 1900-1912.	2.3	17

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55	From graphene oxide towards aminated graphene: facile synthesis, its structure and electronic properties. Scientific Reports, 2020, 10, 6902.	1.6	114
56	Fast and Controllable Synthesis of Coreâ€“Shell Fe₃O₄â€“C Nanoparticles by Aerosol CVD. ACS Omega, 2020, 5, 8146-8150.	1.6	11
57	Study of Wurtzite Crystal Phase Stabilization in Heterostructured Ga(As,P) Nanowires. Semiconductors, 2020, 54, 1862-1865.	0.2	1
58	Size-Dependent Bioactivity of Silver Nanoparticles: Antibacterial Properties, Influence on Copper Status in Mice, and Whole-Body Turnover. Nanotechnology, Science and Applications, 2020, Volume 13, 137-157.	4.6	33
59	Molecular-Beam Epitaxy of Two-Dimensional GaSe Layers on GaAs(001) and GaAs(112) Substrates: Structural and Optical Properties. Semiconductors, 2019, 53, 1131-1137.	0.2	8
60	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
61	Template Synthesis of Monodisperse Submicrometer Spherical Nanoporous Silicon Particles. Semiconductors, 2019, 53, 1048-1053.	0.2	2
62	Fluorescence enhancement of monodisperse carbon nanodots treated with aqueous ammonia and hydrogen peroxide. Nanotechnology, 2019, 30, 475601.	1.3	6
63	Super-Heat Resistant Polymer Nanocomposites Based on Heterocyclic Networks: Structure and Properties. Physics of the Solid State, 2019, 61, 1494-1501.	0.2	5
64	A New Hybrid Material: Monolithic Biomorphic Carbon/Nickel Nanoparticles for Energy Storage Devices. Technical Physics Letters, 2019, 45, 809-813.	0.2	1
65	Localization and transient emission properties in InGaN/GaN quantum wells of different polarities within coreâ€“shell nanorods. Nanoscale, 2019, 11, 193-199.	2.8	10
66	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
67	Control of Conductivity of In_xGa_{1â€“x}As Nanowires by Applied Tension and Surface States. Nano Letters, 2019, 19, 4463-4469.	4.5	14
68	Effective Suppression of Antiphase Domains in GaP(N)/GaP Heterostructures on Si(001). Crystal Growth and Design, 2019, 19, 4510-4520.	1.4	14
69	Formation of Highly Conducting Optically Transparent Films with Multigraphene Structure via Carbonization of Polyimide Langmuirâ€“Blodgett Films. Technical Physics Letters, 2019, 45, 471-474.	0.2	0
70	High-temperature hybrid phthalonitrile/amino-MMT nanocomposites: Synthesis, structure, properties. EXPRESS Polymer Letters, 2019, 13, 656-672.	1.1	13
71	Light-Emitting Field-Effect Transistors Based on Composite Films of Polyfluorene and CsPbBr3 Nanocrystals. Physics of the Solid State, 2019, 61, 256-262.	0.2	18
72	Narrow Excitonic Lines in Coreâ€“Shell Nanorods With InGaN/GaN Quantum Wells Intersected by Basal Stacking Faults. Physica Status Solidi (B): Basic Research, 2019, 256, 1800648.	0.7	2

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73	Fabrication of doxorubicin-loaded monodisperse spherical micro-mesoporous silicon particles for enhanced inhibition of cancer cell proliferation. Microporous and Mesoporous Materials, 2019, 281, 1-8.	2.2	7
74	Study of GaAs oxidation in the low-current Townsend discharge. Journal of Physics: Conference Series, 2019, 1400, 055042.	0.3	0
75	Formation of AgInS2/ZnS Colloidal Nanocrystals and Their Photoluminescence Properties. Physics of the Solid State, 2019, 61, 2325-2328.	0.2	4
76	Soluble and insoluble polymer-inorganic systems based on poly(methyl methacrylate), modified with ZrO2-LnO1.5 (Ln = Eu, Tb) nanoparticles: Comparison of their photoluminescence. Journal of Luminescence, 2019, 207, 157-168.	1.5	6
77	Structural and Optical Properties of GaSe/GaAs(001) Layers Grown by Molecular Beam Epitaxy. Acta Physica Polonica A, 2019, 136, 608-612.	0.2	4
78	Phosphors with different morphology, formed under hydrothermal conditions on the basis of ZrO2:Eu3+ nanocrystallites. Nanosystems: Physics, Chemistry, Mathematics, 2019, 10, 654-665.	0.2	2
79	Structure and photoluminescent properties of TiO2:Eu3+ nanoparticles synthesized under hydro and solvothermal conditions from different precursors. Nanosystems: Physics, Chemistry, Mathematics, 2019, , 361-373.	0.2	4
80	The Features of GaAs Nanowire SEM Images. Semiconductors, 2018, 52, 605-608.	0.2	0
81	Oxygen Nitrogen Mixture Effect on Aluminum Nitride Synthesis by Reactive Ion Plasma Deposition. Semiconductors, 2018, 52, 184-188.	0.2	7
82	Strain relaxation in convex-graded InxAl1-xAs (x = 0.05â€“0.79) metamorphic buffer layers grown by molecular beam epitaxy on GaAs(001). Superlattices and Microstructures, 2018, 113, 777-784.	1.4	7
83	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
84	InAs/AlGaAs quantum dots for single-photon emission in a red spectral range. Scientific Reports, 2018, 8, 5299.	1.6	27
85	Nanostructure, dynamics, and mechanical properties of nanocomposites based on polyurethaneâ€poly (2â€hydroxyethyl methacrylate) semiâ€interpenetrating polymer network with ultraâ€low <scp>MWCNT</scp> contents. Polymer Composites, 2018, 39, 263-273.	2.3	8
86	Tailoring the size and microporosity of StÃ¶ber silica particles. Microporous and Mesoporous Materials, 2018, 258, 205-210.	2.2	32
87	Milligram-per-second femtosecond laser production of Se nanoparticle inks and ink-jet printing of nanophotonic 2D-patterns. Applied Surface Science, 2018, 436, 662-669.	3.1	28
88	New method for MBE growth of GaAs nanowires on silicon using colloidal Au nanoparticles. Nanotechnology, 2018, 29, 045602.	1.3	6
89	Ultracentrifugation for ultrafine nanodiamond fractionation. Superlattices and Microstructures, 2018, 113, 204-212.	1.4	15
90	Influence of charge carriers on corrugation of suspended graphene. Solid State Communications, 2018, 270, 1-5.	0.9	0

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91	MBE growth and properties of GaAs, AlGaAs and InAs nanowires on SiC/Si(111) hybrid substrate. Journal of Physics: Conference Series, 2018, 1135, 012036.	0.3	0
92	Preparation of Transparent N-Zno:Al / P-Cualcro2 Heterojunction Diodeby Sol-Gel Technology. Reviews on Advanced Materials Science, 2018, 57, 167-174.	1.4	3
93	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
94	Atomic Force Microscopy Study of Monodisperse Carbon Nanoparticles. Semiconductors, 2018, 52, 2065-2067.	0.2	2
95	Transformation of the defect structure of InGaAs and InAlAs metamorphic buffer layers depending on indium concentration. Journal of Physics: Conference Series, 2018, 1124, 022027.	0.3	0
96	MBE growth of GaAs nanowires with modulated crystal structure. Journal of Physics: Conference Series, 2018, 1124, 022043.	0.3	1
97	CuO nanowhiskers: Preparation, structure features, properties, and applications. Materials Science and Technology, 2018, 34, 2126-2135.	0.8	10
98	MBE Growth and Structural Properties of GaP and InP Nanowires on a SiC Substrate with a Graphene Layer. Semiconductors, 2018, 52, 1428-1431.	0.2	2
99	Phosphorus-Based Nanowires Grown by Molecular-Beam Epitaxy on Silicon. Semiconductors, 2018, 52, 1416-1419.	0.2	2
100	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
101	Multiwall MoS2 tubes as optical resonators. Applied Physics Letters, 2018, 113, .	1.5	30
102	Facile reduction of graphene oxide suspensions and films using glass wafers. Scientific Reports, 2018, 8, 14154.	1.6	110
103	Structure of Feâ€“Nbâ€“Cuâ€“Siâ€“B Nanocrystalline Alloy Strip Produced by Melt Spinning. Steel in Translation, 2018, 48, 284-288.	0.1	0
104	Effective Method for Obtaining the Hydrosols of Detonation Nanodiamond with Particle Size < 4 nm. Materials, 2018, 11, 1285.	1.3	8
105	Blue shift of the plasmon resonance in fluoride photo-thermo-refractive glass. Optical Materials Express, 2018, 8, 2734.	1.6	5
106	Unified mechanism of the surface Fermi level pinning in III-As nanowires. Nanotechnology, 2018, 29, 314003.	1.3	26
107	Large-Scale Laser Fabrication of Antifouling Silicon-Surface Nanosheet Arrays via Nanoplasmonic Ablative Self-Organization in Liquid CS₂ Tracked by a Sulfur Dopant. ACS Applied Nano Materials, 2018, 1, 2461-2468.	2.4	36
108	Epitaxial GaN nanotripods: morphology and crystal structure. Journal of Physics: Conference Series, 2018, 1038, 012053.	0.3	1

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109	Droplet epitaxy mediated growth of GaN nanostructures on Si (111) via plasma-assisted molecular beam epitaxy. CrystEngComm, 2018, 20, 3370-3380.	1.3	29
110	Insight into the performance of multi-color InGaN/GaN nanorod light emitting diodes. Scientific Reports, 2018, 8, 7311.	1.6	51
111	Site-Controlled Growth of GaN Nanorods with Inserted InGaN Quantum Wells on Î¼-Cone Patterned Sapphire Substrates by Plasma-Assisted MBE. Semiconductors, 2018, 52, 667-670.	0.2	1
112	Unveiling structural, chemical and magnetic interfacial peculiarities in Îµ-Fe2O3/GaN (0001) epitaxial films. Scientific Reports, 2018, 8, 8741.	1.6	16
113	Controllable spherical aggregation of monodisperse carbon nanodots. Nanoscale, 2018, 10, 13223-13235.	2.8	32
114	Tunable polymorphism of epitaxial iron oxides in the four-in-one ferroic-on-GaN system with magnetically ordered Î±-, Î³-, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>É</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> , and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml: Phase composition and photoluminescence correlations in nanocrystalline ZrO2:Eu3+ phosphors synthesized under hydrothermal conditions. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 378-388.	0.9	21
115		0.2	7
116	Large-scale Plasmon-mediated Laser Fabrication of Novel Multi-functional Black-silicon 2D-nanosheet Arrays. , 2018, , .		1
117	STRUCTURE FEATURES OF THE Fe â€“Cuâ€“Nbâ€“Siâ€“B BASED NANOCRYSTALLINE ALLOY RIBBON PRODUCED BY THE MELT SPINNING METHOD. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2018, 61, 393-398.	0.1	0
118	Nanoscale visualization of electronic properties of AlxGa1-xN/AlyGa1-yN multiple quantum-well heterostructure by spreading resistance microscopy. Journal of Applied Physics, 2017, 121, 014305.	1.1	4
119	Observing visible-range photoluminescence in GaAs nanowires modified by laser irradiation. Journal of Applied Physics, 2017, 121, .	1.1	14
120	Oriented-attachment growth of diamond single crystal from detonation nanodiamonds. Diamond and Related Materials, 2017, 75, 85-90.	1.8	13
121	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
122	Selective area growth of N-polar GaN nanorods by plasma-assisted MBE on micro-cone-patterned c-sapphire substrates. Journal of Crystal Growth, 2017, 477, 207-211.	0.7	6
123	Nucleation of silica StÃ¶ber particles in the presence of methacryloxypropyltrimethoxysilane. Colloid Journal, 2017, 79, 56-60.	0.5	3
124	Formation of crystalline heteroepitaxial SiC films on Si by carbonization of polyimide Langmuirâ€“Blodgett films. Japanese Journal of Applied Physics, 2017, 56, 06GH08.	0.8	2
125	Monodisperse coreâ€“shell particles composed of magnetite and dye-functionalized mesoporous silica. Technical Physics Letters, 2017, 43, 716-719.	0.2	2
126	Lowâ€Temperature Atmospheric Pressure Plasmaâ€Enhanced CVD of Nanocomposite Coatings â€œMolybdenum Disulfide (Filler)â€“Silicon Oxide (Matrix)â€• Advanced Materials Interfaces, 2017, 4, 1700241.	1.9	14

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127	Rehybridization of carbon on facets of detonation diamond nanocrystals and forming hydrosols of individual particles. Carbon, 2017, 122, 737-745.	5.4	72
128	Study of the parameters of nanoscale layers in nanoheterostructures based on IIâ€“VI semiconductor compounds. Semiconductors, 2017, 51, 54-60.	0.2	2
129	Heteroepitaxial growth of SiC films by carbonization of polyimide Langmuir-Blodgett films on Si. MATEC Web of Conferences, 2017, 98, 04002.	0.1	0
130	Effect of Ga seeding layer on formation of epitaxial Y-shaped GaN nanoparticles on silicon. Journal of Physics: Conference Series, 2017, 917, 032040.	0.3	1
131	The Extracellular Domain of Human High Affinity Copper Transporter (hNdCTR1), Synthesized by E. coli Cells, Chelates Silver and Copper Ions In Vivo. Biomolecules, 2017, 7, 78.	1.8	6
132	TEM Investigation of Nanostructures with a High Aspect Ratio. Springer Proceedings in Physics, 2017, , 143-148.	0.1	0
133	New silver nanoparticles induce apoptosis-like process in E. coli and interfere with mammalian copper metabolism. International Journal of Nanomedicine, 2016, Volume 11, 6561-6574.	3.3	20
134	Nanoscale Perforation of Graphene Oxide during Photoreduction Process in the Argon Atmosphere. Journal of Physical Chemistry C, 2016, 120, 28261-28269.	1.5	85
135	Template synthesis of monodisperse carbon nanodots. Physics of the Solid State, 2016, 58, 2545-2549.	0.2	31
136	Features of AlN film grown by ion-plasma sputtering. Journal of Physics: Conference Series, 2016, 741, 012041.	0.3	0
137	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
138	Measuring the height-to-height correlation function of corrugation in suspended graphene. Ultramicroscopy, 2016, 165, 1-7.	0.8	4
139	TEM study of defect structure of GaN epitaxial films grown on GaN/Al2O3 substrates with buried column pattern. Journal of Crystal Growth, 2016, 445, 30-36.	0.7	5
140	Structural and luminescent properties of Gd oxide doped with Eu3+ embedded in mesopores of SiO2 particles. Journal of Alloys and Compounds, 2016, 678, 434-438.	2.8	15
141	Reduction of the graphene oxide films by soft UV irradiation. , 2016, , .		0
142	Peculiarities of strain relaxation in linearly graded InxGa1â^'xAs/GaAs(001) metamorphic buffer layers grown by molecular beam epitaxy. Journal of Crystal Growth, 2016, 455, 83-89.	0.7	12
143	Optical properties of metal nanoparticles in chrysotile channels. Technical Physics Letters, 2016, 42, 656-658.	0.2	3
144	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

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145	Chloride epitaxy of Î²-Ga2O3 layers grown on c-sapphire substrates. Semiconductors, 2016, 50, 980-983.	0.2	5
146	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
147	Incorporating silica into cyanate ester-based network by sol-gel method: Structure and properties of subnano- and nanocomposites. AIP Conference Proceedings, 2016, , .	0.3	6
148	Complex use of the diffraction techniques in depth profiling of the crystal lattice parameter and composition of InGaAs/GaAs gradient layers. Technical Physics Letters, 2016, 42, 464-467.	0.2	6
149	High-surface area spherical micro-mesoporous silica particles. Microporous and Mesoporous Materials, 2016, 223, 225-229.	2.2	45
150	Properties of AlN films deposited by reactive ion-plasma sputtering. Semiconductors, 2015, 49, 1383-1387.	0.2	11
151	TEM investigation of semipolar GaN layers grown on Si(001) offcut substrates. Semiconductor Science and Technology, 2015, 30, 114002.	1.0	8
152	SiPM prototype for direct VUV registration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 348-352.	0.7	6
153	The impact of ultra-low amounts of introduced reactive POSS nanoparticles on structure, dynamics and properties of densely cross-linked cyanate ester resins. European Polymer Journal, 2015, 67, 128-142.	2.6	27
154	Coreâ€“shell monodisperse spherical mSiO2/Gd2O3:Eu3+@mSiO2 particles as potential multifunctional theranostic agents. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	26
155	Large-area crystalline GaN slabs. Technical Physics Letters, 2015, 41, 246-248.	0.2	6
156	The impact of ultra-low amounts of amino-modified MMT on dynamics and properties of densely cross-linked cyanate ester resins. Nanoscale Research Letters, 2015, 10, 165.	3.1	25
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