AnA Eliseev

List of Publications by Year
in descending order

224	3,169	147801 31	265206 42
papers	citations	h-index	g-index

228	228	228	2593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes. Carbon, 2010, 48, 2708-2721.	10.3	83
2	Synthesis of functional nanocomposites based on solid-phase nanoreactors. Russian Chemical Reviews, 2004, 73, 899-921.	6.5	71
3	Interaction between single walled carbon nanotube and 1D crystal in CuX@SWCNT (X=Cl, Br, I) nanostructures. Carbon, 2012, 50, 4021-4039.	10.3	71
4	Tuning the microstructure and functional properties of metal nanowire arrays via deposition potential. Electrochimica Acta, 2011, 56, 2378-2384.	5.2	63
5	Origin of long-range orientational pore ordering in anodic films on aluminium. Journal of Materials Chemistry, 2012, 22, 11922.	6.7	57
6	Preparation and properties of single-walled nanotubes filled with inorganic compounds. Russian Chemical Reviews, 2009, 78, 833-854.	6.5	56
7	Fabrication of Artificial Opals by Electric-Field-Assisted Vertical Deposition. Langmuir, 2010, 26, 2346-2351.	3.5	56
8	Double Stacking Faults in Convectively Assembled Crystals of Colloidal Spheres. Langmuir, 2009, 25, 10408-10412.	3.5	54
9	Permeability of anodic alumina membranes with branched channels. Nanotechnology, 2012, 23, 335601.	2.6	53
10	Thin graphene oxide membranes for gas dehumidification. Journal of Membrane Science, 2019, 577, 184-194.	8.2	52
11	The Kinetics and Mechanism of Long-Range Pore Ordering in Anodic Films on Aluminum. Journal of Physical Chemistry C, 2011, 115, 23726-23731.	3.1	50
12	Growth and Characterization of One-Dimensional SnTe Crystals within the Single-Walled Carbon Nanotube Channels. Journal of Physical Chemistry C, 2011, 115, 3578-3586.	3.1	50
13	Filling of single-walled carbon nanotubes by CuI nanocrystals via capillary technique. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 62-65.	2.7	49
14	Acceptor doping of single-walled carbon nanotubes by encapsulation of zinc halogenides. European Physical Journal B, 2012, 85, 1.	1.5	49
15	Singleâ€walled carbon nanotubes filled with nickel halogenides: Atomic structure and doping effect. Physica Status Solidi (B): Basic Research, 2012, 249, 2328-2332.	1.5	47
16	MXene-based gas separation membranes with sorption type selectivity. Journal of Membrane Science, 2021, 621, 118994.	8.2	47
17	Comparative Study of Structure and Permeability of Porous Oxide Films on Aluminum Obtained by Single- and Two-Step Anodization. ACS Applied Materials & Interfaces, 2013, 5, 7819-7824.	8.0	45
18	Preparation of ordered magnetic iron nanowires in the mesoporous silica matrix. Materials Science and Engineering C, 2003, 23, 151-154.	7.3	43

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19	Preparation and properties of ZnO nanoparticles in the mesoporous silica matrix. Superlattices and Microstructures, 2006, 39, 257-266.	3.1	43
20	Gas permeation through nanoporous membranes in the transitional flow region. Nanotechnology, 2016, 27, 085707.	2.6	42
21	Controlled growth of metallic inverse opals by electrodeposition. Physical Chemistry Chemical Physics, 2010, 12, 15414.	2.8	38
22	Simultaneous monitoring of sweat lactate content and sweat secretion rate by wearable remote biosensors. Biosensors and Bioelectronics, 2022, 202, 113970.	10.1	38
23	Formation mechanism and packing options in tubular anodic titania films. Microporous and Mesoporous Materials, 2008, 114, 440-447.	4.4	36
24	The structure of 1D CuI crystals inside SWNTs. Journal of Microscopy, 2008, 232, 335-342.	1.8	36
25	Study of the electronic structure of single-walled carbon nanotubes filled with cobalt bromide. JETP Letters, 2010, 91, 196-200.	1.4	35
26	Growth of Porous Anodic Alumina on Low-Index Surfaces of Al Single Crystals. Journal of Physical Chemistry C, 2017, 121, 27511-27520.	3.1	34
27	Ordered arrays of Ni magnetic nanowires: Synthesis and investigation. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 178-183.	2.7	33
28	Chemical Reactions within Single-Walled Carbon Nanotube Channels. Chemistry of Materials, 2009, 21, 5001-5003.	6.7	33
29	Long-range ordering in anodic alumina films: a microradian X-ray diffraction study. Journal of Applied Crystallography, 2010, 43, 531-538.	4.5	33
30	Magnetoplasmonic nanostructures based on nickel inverse opal slabs. Journal of Applied Physics, 2012, 111, .	2.5	33
31	Enhanced gas separation factors of microporous polymer constrained in the channels of anodic alumina membranes. Scientific Reports, 2016, 6, 31183.	3.3	32
32	Chemical Design of Magnetic Nanocomposites Based on Layered Double Hydroxides. Journal of Nanoparticle Research, 2003, 5, 455-464.	1.9	31
33	The electronic properties of SWNTs intercalated by electron acceptors. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2283-2288.	2.7	31
34	A Study of Crystallization of Mgâ€“Al Double Hydroxides. Doklady Chemistry, 2002, 387, 339-343.	0.9	30
35	The structure of 1D and 3D CuI nanocrystals grown within 1.5â€“2.5 nm single wall carbon nanotubes obtained by catalyzed chemical vapor deposition. Carbon, 2012, 50, 4696-4704.	10.3	30
36	Three-dimensional artificial spin ice in nanostructured Co on an inverse opal-like lattice. Physical Review B, 2013, 87, .	3.2	29

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37	Liquid permeation and chemical stability of anodic alumina membranes. Beilstein Journal of Nanotechnology, 2017, 8, 561-570.	2.8	29
38	Synthesis and characterization of the Bi-for-Ca substituted copper-based apatite pigments. Dyes and Pigments, 2015, 113, 96-101.	3.7	28
39	Experimental and Theoretical Study of Enhanced Vapor Transport through Nanochannels of Anodic Alumina Membranes in a Capillary Condensation Regime. Journal of Physical Chemistry C, 2016, 120, 10982-10990.	3.1	28
40	Luminescent Materials Based on Tb- and Eu-Containing Layered Double Hydroxides. Doklady Chemistry, 2004, 396, 87-91.	0.9	26
41	Topology constrained magnetic structure of Ni photonic crystals. Physica B: Condensed Matter, 2007, 397, 23-26.	2.7	26
42	The role of oxidation level in mass-transport properties and dehumidification performance of graphene oxide membranes. Carbon, 2021, 183, 404-414.	10.3	26
43	Operando study of water vapor transport through ultra-thin graphene oxide membranes. 2D Materials, 2019, 6, 035039.	4.4	25
44	Structural and magnetic properties of inverse opal photonic crystals studied by x-ray diffraction, scanning electron microscopy, and small-angle neutron scattering. Physical Review B, 2009, 79, .	3.2	24
45	Controlled way to prepare quasi-1D nanostructures with complex chemical composition in porous anodic alumina. Chemical Communications, 2011, 47, 2396-2398.	4.1	24
46	Atomically precise semiconductorâ€"graphene and hBN interfaces by Ge intercalation. Scientific Reports, 2015, 5, 17700.	3.3	24
47	Size-Dependent Structure Relations between Nanotubes and Encapsulated Nanocrystals. Nano Letters, 2017, 17, 805-810.	9.1	24
48	Spontaneous MXene monolayer assembly at the liquidâ€"air interface. Nanoscale, 2019, 11, 9980-9986.	5.6	24
49	Complex Investigation of Water Impact on Li-Ion Conductivity of Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃â€"Electrochemical, Chemical, Structural, and Morphological Aspects. Chemistry of Materials, 2020, 32, 3723-3732.	6.7	24
50	Two-dimensional spatially ordered Al2O3 systems: Small-angle neutron scattering investigation. JETP Letters, 2007, 85, 449-453.	1.4	22
51	Nanostructures: Scattering beyond the Born approximation. Physical Review B, 2010, 81, .	3.2	22
52	Magnetic topology of Co-based inverse opal-like structures. Physical Review B, 2011, 84, .	3.2	21
53	Crystallography-Induced Correlations in Pore Ordering of Anodic Alumina Films. Journal of Physical Chemistry C, 2016, 120, 19698-19704.	3.1	21
54	Rotational dynamics of colloidal hexaferrite nanoplates. Applied Physics Letters, 2018, 113, .	3.3	21

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55	Synthesis of iron oxide nanocomposites using layered double hydroxides. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 109, 226-231.	3.5	20
56	Determination of the real structure of artificial and natural opals on the basis of three-dimensional reconstructions of reciprocal space. JETP Letters, 2009, 90, 272-277.	1.4	20
57	Longitudinal pore alignment in anodic alumina films grown on polycrystalline metal substrates. Journal of Applied Crystallography, 2013, 46, 1705-1710.	4.5	20
58	IRON-CONTAINING NANOCOMPOSITES BASED ON ZSM-5 ZEOLITE. International Journal of Nanoscience, 2006, 05, 459-463.	0.7	19
59	The formation and properties of one-dimensional FeHal2 (Hal = Cl, Br, I) nanocrystals in channels of single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 634-646.	0.7	19
60	Synthesis, structure, luminescence, and color features of the Eu- and Cu-doped calcium apatite. Dyes and Pigments, 2017, 141, 209-216.	3.7	19
61	The synthesis of monodisperse trioctylphosphine oxide-capped EuF3 nanoparticles. Optical Materials, 2006, 28, 606-609.	3.6	18
62	Structural heterogeneity in glassy polymeric materials revealed by positron annihilation and other supplementary techniques. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3776-3779.	0.8	18
63	Structure and luminescence characteristics of ZnS nanodot array in porous anodic aluminum oxide. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1462-1465.	0.8	18
64	The structure of nanocomposite 1D cationic conductor crystal@SWNT. Journal of Microscopy, 2012, 246, 309-321.	1.8	18
65	Electric-field-assisted self-assembly of colloidal particles. Physics of the Solid State, 2011, 53, 1126-1130.	0.6	17
66	Fabrication of Epitaxial W-Doped VO₂ Nanostructured Films for Terahertz Modulation Using the Solvothermal Process. ACS Applied Nano Materials, 2021, 4, 10592-10600.	5.0	17
67	Energy transfer in luminescent Tb- and Eu-containing layered double hydroxides. Mendeleev Communications, 2004, 14, 176-178.	1.6	16
68	Microwave properties of Ni-based ferromagnetic inverse opals. Physical Review B, 2012, 86, .	3.2	16
69	Coreâ€“Shell Nanozymes â€œArtificial Peroxidaseâ€: Stability with Superior Catalytic Properties. Journal of Physical Chemistry Letters, 2021, 12, 5547-5551.	4.6	16
70	Arrays of interacting ferromagnetic nanofilaments: Small-angle neutron diffraction study. JETP Letters, 2011, 94, 635-641.	1.4	14
71	Environmental control of electronâ€“phonon coupling in barium doped graphene. 2D Materials, 2016, 3, 045003.	4.4	14
72	Synthesis and characterization of the copper doped Ca-La apatites. Dyes and Pigments, 2016, 133, 109-113.	3.7	14

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73	Highly Luminescent Gradient Alloy CdSe_{1â€“x}S_x Nanoplatelets with Reduced Reabsorption for White-Light Generation. ACS Photonics, 2020, 7, 3188-3198.	6.6	14
74	Surface-Enhanced Raman Scattering-Active Gold-Decorated Silicon Nanowire Substrates for Label-Free Detection of Bilirubin. ACS Biomaterials Science and Engineering, 2022, 8, 4175-4184.	5.2	14
75	One-step synthesis of shelled PbS nanoparticles in a layered double hydroxide matrix. Mendeleev Communications, 2004, 14, 174-176.	1.6	13
76	Preparation of strontium hexaferrite nanowires in the mesoporous silica matrix (MCM-41). Journal of Magnetism and Magnetic Materials, 2005, 290-291, 106-109.	2.3	13
77	Enhanced photon lifetime in silicon nanowire arrays and increased efficiency of optical processes in them. Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
78	Structural and Optical Properties of Silicon Nanowire Arrays Fabricated by Metal Assisted Chemical Etching With Ammonium Fluoride. Frontiers in Chemistry, 2018, 6, 653.	3.6	13
79	Polarized small-angle neutron scattering study of two-dimensional spatially ordered systems of nickel nanowires. Journal of Applied Crystallography, 2007, 40, s532-s536.	4.5	12
80	Optical properties of Î³-ferric oxide nanoparticles in a mesoporous silica matrix. Technical Physics Letters, 2008, 34, 288-291.	0.7	12
81	Synthesis and structural study of the ordered germanium nanorod arrays. Journal of Structural Chemistry, 2010, 51, 132-136.	1.0	12
82	Anodic alumina membrane capacitive sensors for detection of vapors. Talanta, 2020, 219, 121248.	5.5	12
83	Evolution of Pore Ordering during Anodizing of Aluminum Single Crystals:In SituSmall-Angle X-ray Scattering Study. Journal of Physical Chemistry C, 2021, 125, 9287-9295.	3.1	12
84	The synthesis of EuF3/TOPO nanoparticles. Materials Science and Engineering C, 2005, 25, 549-552.	7.3	11
85	Preparing magnetic nanoparticles with controllable anisotropy of functional properties within a porous matrix of alumina. Nanotechnologies in Russia, 2009, 4, 176-181.	0.7	11
86	Magnetic properties of a two-dimensional spatially ordered array of nickel nanowires. Physics of the Solid State, 2010, 52, 1080-1086.	0.6	11
87	One-Dimensional Crystals inside Single-Walled Carbon Nanotubes: Growth, Structure and Electronic Properties. , 0, , .		11
88	Synthesis of diamondlike nanoparticles under cavitation in toluene. Doklady Physics, 2012, 57, 373-377.	0.7	11
89	Citrate-assisted hydrothermal synthesis of vanadium dioxide textured films with metal-insulator transition and infrared thermochromic properties. Ceramics International, 2020, 46, 19919-19927.	4.8	11
90	Tunable order in colloids of hard magnetic hexaferrite nanoplatelets. Nano Research, 2022, 15, 898-906.	10.4	11

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91	Facilitated transport of ammonia in ultra-thin Prussian Blue membranes with potential-tuned selectivity. Journal of Membrane Science, 2021, 639, 119714.	8.2	11
92	Nanoporous polypropylene membrane contactors for CO2 and H2S capture using alkali absorbents. Chemical Engineering Research and Design, 2022, 177, 448-460.	5.6	11
93	Magnetic properties of iron nanoparticles in mesoporous silica matrix. Journal of Magnetism and Magnetic Materials, 2006, 300, e342-e345.	2.3	10
94	The Behaviour of 1D CuI Crystal@SWNT Nanocomposite under Electron Irradiation. AIP Conference Proceedings, 2008, , .	0.4	10
95	Cobalt-containing nanocomposites based on zeolites of MFI framework type. Journal of Magnetism and Magnetic Materials, 2009, 321, 3866-3869.	2.3	10
96	Morphological modification of the surface of polymers by the replication of the structure of anodic aluminum oxide. JETP Letters, 2010, 92, 453-456.	1.4	10
97	HRTEM of 1DSnTe@SWNT nanocomposite located on thin layers of graphite. Journal of Microscopy, 2012, 248, 117-119.	1.8	10
98	Periodic order and defects in Ni-based inverse opal-like crystals on the mesoscopic and atomic scale. Physical Review B, 2014, 90, .	3.2	10
99	Nanomechanical humidity detection through porous alumina cantilevers. Beilstein Journal of Nanotechnology, 2015, 6, 1332-1337.	2.8	10
100	Labyrinthine transport of hydrocarbons through grafted laminar CdTe nanosheet membranes. Journal of Materials Chemistry A, 2019, 7, 21684-21692.	10.3	10
101	Enhancing gas separation efficiency by surface functionalization of nanoporous membranes. Separation and Purification Technology, 2019, 221, 74-82.	7.9	10
102	Polar and non-polar structures of NH₄TiOF₃. Journal of Applied Crystallography, 2019, 52, 23-26.	4.5	10
103	Bismuth nanowires: electrochemical fabrication, structural features, and transport properties. Physical Chemistry Chemical Physics, 2020, 22, 14953-14964.	2.8	10
104	Hydrothermal epitaxy growth of self-organized vanadium dioxide 3D structures with metalâ€“insulator transition and THz transmission switch properties. CrystEngComm, 2020, 22, 2612-2620.	2.6	10
105	Ordered iron nanowires in the mesoporous silica matrix. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1609-1611.	2.3	9
106	Iron nanowires embedded in mesoporous silica: Polarized neutron scattering study. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 286-295.	2.7	9
107	Formation of ordered cobalt nanowire arrays in the mesoporous silica channels. Pure and Applied Chemistry, 2006, 78, 1749-1757.	1.9	9
108	Magnetic properties of cobalt nanowires: Study by polarized SANS. Physica B: Condensed Matter, 2011, 406, 2405-2408.	2.7	9

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109	The impact of dimensionality and stoichiometry of CuBr on its coupling to sp-carbon. Carbon, 2016, 99, 619-623.	10.3	9
110	Plasmonic Properties of Halloysite Nanotubes with Immobilized Silver Nanoparticles for Applications in Surfaceâ€Enhanced Raman Scattering. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800886.	1.8	9
111	Stability of Tetragonal ZrO2 toward External Influences. Inorganic Materials, 2002, 38, 1012-1014.	0.8	8
112	Ordered nanowire arrays in the mesoporous silica thin films. Thin Solid Films, 2006, 495, 73-77.	1.8	8
113	Magnetophotonic properties of inverse magnetic metal opals. Journal of Magnetism and Magnetic Materials, 2009, 321, 833-835.	2.3	8
114	Measurements of work function of pristine and CuI doped carbon nanotubes. Journal of Experimental and Theoretical Physics, 2009, 109, 307-313.	0.9	8
115	Confinement effects of CdSe nanocrystals intercalated into mesoporous silica. Applied Physics Letters, 2010, 96, 111907.	3.3	8
116	Face-centered cubic carbon synthesis under cavitation compression. Doklady Physics, 2011, 56, 463-466.	0.7	8
117	Electrochemical Xâ€ray Photolithography. Angewandte Chemie - International Edition, 2012, 51, 11602-11605.	13.8	8
118	Synthesis of nanocomposites on basis of single-walled carbon nanotubes intercalated by manganese halogenides. Journal of Physics: Conference Series, 2012, 345, 012034.	0.4	8
119	Mechanically stable flat anodic titania membranes for gas transport applications. Journal of Porous Materials, 2012, 19, 71-77.	2.6	8
120	Raman identification of calcite grains in the Chelyabinsk meteorite. Geochemistry International, 2013, 51, 593-598.	0.7	8
121	Eu and Cu co-substituted calcium vanadate â€" The crystal structure, luminescence and color. Dyes and Pigments, 2018, 148, 219-223.	3.7	8
122	Meniscus Curvature Effect on the Asymmetric Mass Transport through Nanochannels in Capillary Condensation Regime. Journal of Physical Chemistry C, 2018, 122, 29537-29548.	3.1	8
123	Diffusion doping route to plasmonic Si/SiO_xnanoparticles. RSC Advances, 2018, 8, 18896-18903.	3.6	8
124	Luminescent down shifting CdTe colloidal quantum dots for enhancing polycrystalline silicon solar cells. Optik, 2018, 169, 41-47.	2.9	8
125	Measure is Treasure: Proper Iodine Vapor Treatment as a New Method of Morphology Improvement of Lead-Halide Perovskite Films. Chemistry of Materials, 2020, 32, 9140-9146.	6.7	8
126	Cryosol Synthesis of Al2-xCrxO3Solid Solutions. Chemistry of Materials, 1999, 11, 241-246.	6.7	7

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127	Spatially ordered arrays of magnetic nanowires: Polarized-neutron scattering investigation. JETP Letters, 2007, 85, 605-610.	1.4	7
128	Two-dimensional spatially ordered system of nickel nanowires probed by polarized SANS. Physica B: Condensed Matter, 2009, 404, 2568-2571.	2.7	7
129	Electronic Structure of CuI@SWCNT Nanocomposite Studied by X-Ray Absorption Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 574-578.	2.1	7
130	Resonance Raman spectroscopic study of shapeâ€induced phase transition in CdSe nanoclusters. Journal of Raman Spectroscopy, 2015, 46, 1-3.	2.5	7
131	Capsulate structure effect on SWNTs doping in Rb_xAg_{1â^'x}I@SWNT composites. CrystEngComm, 2017, 19, 3063-3070.	2.6	7
132	Silver Eco-Solvent Ink for Reactive Printing of Polychromatic SERS and SPR Substrates. Sensors, 2018, 18, 521.	3.8	7
133	Synthesis of PbS/S Nanostructures through Chemical Modification of Layered Double Hydroxides. Doklady Chemistry, 2002, 383, 93-96.	0.9	6
134	Synthesis of silver nanoparticles in mesoporous high-aluminum aluminosilicate matrices. Russian Chemical Bulletin, 2004, 53, 2496-2498.	1.5	6
135	The thermal stability of porous anodic titania films. Nanotechnologies in Russia, 2009, 4, 296-301.	0.7	6
136	X-ray absorption investigation of the electronic structure of the CuI@SWCNT nanocomposite. Physics of the Solid State, 2011, 53, 643-653.	0.6	6
137	Influence of substrate microstructure on longitudinal correlation length of porous system of anodic alumina: Small-angle scattering study. Nanotechnologies in Russia, 2013, 8, 631-638.	0.7	6
138	Experimental study into the formation of nanodiamonds and fullerenes during cavitation in an ethanol-aniline mixture. Doklady Physics, 2014, 59, 503-506.	0.7	6
139	Measurements of the work function of single-walled carbon nanotubes encapsulated by AgI, AgCl, and CuBr using kelvin probe technique with different kinds of probes. Journal of Experimental and Theoretical Physics, 2016, 123, 143-148.	0.9	6
140	Mass Transport through Defects in Graphene Layers. Journal of Physical Chemistry C, 2017, 121, 23669-23675.	3.1	6
141	SANS study of new magnetic nanocomposites embedded into the mesoporous silica. Physica B: Condensed Matter, 2003, 335, 123-126.	2.7	5
142	Synthesis and Properties of Iron Oxide Nanoparticles in the Matrix of Mesoporous Silica. Doklady Chemistry, 2004, 396, 132-135.	0.9	5
143	Magnetic properties of iron nanoparticles in mesoporous silica. Physica B: Condensed Matter, 2004, 350, E305-E308.	2.7	5
144	Optical properties of nanostructured Î³ iron oxide. Doklady Chemistry, 2007, 415, 176-179.	0.9	5

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145	Synthesis and structure study of ordered arrays of ZnSe nanodots. Journal of Surface Investigation, 2010, 4, 645-648.	0.5	5
146	Synthesis of ZnSe semiconductor nanodot arrays by templated PVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1539-1541.	0.8	5
147	Preparation of Nanocrystalline Nitrogen-doped Mesoporous Titanium Dioxide. Mendeleev Communications, 2013, 23, 11-13.	1.6	5
148	Control over the distribution of luminescent impurities inside opal photonic crystals. Superlattices and Microstructures, 2015, 85, 615-619.	3.1	5
149	The structure and continuous stoichiometry change of 1DTbBr x @SWCNTs. Journal of Microscopy, 2016, 262, 92-101.	1.8	5
150	Oriented arrays of iron nanowires: synthesis, structural and magnetic aspects. Journal of Sol-Gel Science and Technology, 2017, 81, 327-332.	2.4	5
151	Multifunctional Composites Based on Graphite Oxide, Doxorubicin, and Magnetic Nanoparticles for Targeted Drug Delivery. Nanotechnologies in Russia, 2018, 13, 152-160.	0.7	5
152	Membrane condenser heat exchanger for conditioning of humid gases. Separation and Purification Technology, 2020, 241, 116697.	7.9	5
153	Nanowhiskers of K2Ti6O13 as a promoter of photocatalysis in anatase mesocrystals. Catalysis Today, 2021, 378, 133-139.	4.4	5
154	Nanoscale architecture of graphene oxide membranes for improving dehumidification performance. Nanosystems: Physics, Chemistry, Mathematics, 2018, 9, 614-621.	0.4	5
155	Colloidal synthesis of CdTe nanoplatelets using various cadmium precursors. Optical Materials, 2022, 131, 112606.	3.6	5
156	The Effect of Copolymerization of Tetraethylorthosilicate and Aluminum Hydroxonitrates. Journal of Solid State Chemistry, 1999, 147, 304-308.	2.9	4
157	Magnetic properties of Î³-iron oxide nanoparticles in a mesoporous silica matrix. JETP Letters, 2007, 85, 439-443.	1.4	4
158	Porous polypropylene membrane contactors for dehumidification of gases. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 798-803.	0.4	4
159	Daylight Photocatalysis Achieved on Carbon-Doped TiO2. MRS Bulletin, 2004, 29, 4-5.	3.5	3
160	Mesoporous Systems for the Preparation of Ordered Magnetic Nanowire Arrays. Advanced Engineering Materials, 2005, 7, 213-217.	3.5	3
161	Polarized SANS study of spatially ordered magnetic nanowires. Physica B: Condensed Matter, 2007, 397, 82-84.	2.7	3
162	Two-dimensional spatially ordered arrays of cobalt nanowires: polarized SANS study. Journal of Physics: Conference Series, 2010, 247, 012033.	0.4	3

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163	Study of Inverse Ni-based Photonic Crystal using the Microradian X-ray Diffraction. Journal of Physics: Conference Series, 2010, 247, 012029.	0.4	3
164	Analysis of the imperfection of opal-like photonic crystals synthesized on conducting substrates. Physics of the Solid State, 2010, 52, 1087-1091.	0.6	3
165	Acetone Sensing by Modified SnO2 Nanocrystalline Sensor Materials. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 409-421.	0.3	3
166	Formation of artificial opals viewed in situ by X-ray grazing insidence diffraction. Journal of Surface Investigation, 2013, 7, 1234-1239.	0.5	3
167	The structure and electronic properties of copper iodide 1D nanocrystals within single walled carbon nanotubes. Journal of Physics: Conference Series, 2013, 471, 012035.	0.4	3
168	Spectroelectrochemistry of intercalated single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2016, 253, 1585-1589.	1.5	3
169	Effect of annealing temperature on thermoâ€diffusional boron doping of silicon nanowire arrays probed by Raman spectroscopy. Journal of Raman Spectroscopy, 2020, 51, 2146-2152.	2.5	3
170	Synthesis of Filamentary Iron Nanoparticles in a Mesoporous Silica Matrix. Doklady Chemistry, 2002, 386, 242-245.	0.9	2
171	The Use of Mesoporous Systems for Preparation of One-Dimensional Ordered Magnetic Nanowires. Materials Research Society Symposia Proceedings, 2003, 788, 611.	0.1	2
172	A Study of the Anion Exchange in Layered Double Hydroxides with the Use of a Tritium Label. Doklady Chemistry, 2004, 396, 95-98.	0.9	2
173	Iron-containing nanocomposites based on mesoporous aluminosilicates. Progress in Solid State Chemistry, 2005, 33, 171-178.	7.2	2
174	Formation and properties of the nanocluster structure of iron oxides. Russian Chemical Bulletin, 2006, 55, 1755-1767.	1.5	2
175	Ordered cobalt nanowires in mesoporous aluminosilicate. Materials Science and Engineering C, 2007, 27, 1411-1414.	7.3	2
176	Characteristics of radiative heat transfer in the atmospheric surface layer from the results of direct measurements. Izvestiya - Atmospheric and Oceanic Physics, 2007, 43, 586-591.	0.9	2
177	Local atomic structure of zinc selenide films: EXAFS data. Journal of Structural Chemistry, 2008, 49, 124-128.	1.0	2
178	Preparation and magnetic properties of ordered iron nanowires in mesoporous silica matrix. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2531-2534.	2.7	2
179	Magnetic inverted photonic crystals: A polarized neutron scattering study. JETP Letters, 2008, 87, 12-17.	1.4	2
180	Special features of the structure of aluminum alloy welds formed by friction welding. Metal Science and Heat Treatment, 2009, 51, 184-190.	0.6	2

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