

# Sergey A Kozyukhin

## List of Publications by Year in descending order

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150  
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1,167  
citations

489802

18  
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620720

26  
g-index

150  
all docs

150  
docs citations

150  
times ranked

1182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization of GST225 thin film induced by a single femtosecond laser pulse: Experimental and theoretical study. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106350.	1.9	10
2	Periodic Relief Fabrication and Reversible Phase Transitions in Amorphous Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films upon Multi-Pulse Femtosecond Irradiation. <i>Micro</i> , 2022, 2, 88-99.	0.9	8
3	Chalcogenide Thin Films as Holographic Media for Augmented Reality Devices. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1934.	1.3	0
4	Low power reconfigurable multilevel nanophotonic devices based on Sn-doped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films. <i>Acta Materialia</i> , 2022, 234, 117994.	3.8	11
5	Artificial Anisotropy in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films after Femtosecond Laser Irradiation. <i>Materials</i> , 2022, 15, 3499.	1.3	6
6	Direct single-pass writing of two-phase binary diffraction gratings in a Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin film by femtosecond laser pulses. <i>Optics and Laser Technology</i> , 2022, 153, 108212.	2.2	5
7	Experimental observation of two-stage crystallization of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> amorphous thin films under the influence of a pulsed laser. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156924.	2.8	12
8	Chemical Modification of Phase Change Memory Materials Based on Complex Chalcogenides. <i>Russian Journal of Inorganic Chemistry</i> , 2021, 66, 281-287.	0.3	3
9	Thermal Stability of the Structure and Optical Properties of Nanostructured TiO <sub>2</sub> Films. <i>Russian Physics Journal</i> , 2021, 63, 2045-2051.	0.2	2
10	Pyrimidine-Based Push-Pull Systems with a New Anchoring Amide Group for Dye-Sensitized Solar Cells. <i>Electronic Materials</i> , 2021, 2, 142-153.	0.9	12
11	Temperature activated conductivity of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> : connection to the variation of Fermi level and implications on resistance drift. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 315302.	1.3	6
12	Rewritable and Tunable Laser-Induced Optical Gratings in Phase-Change Material Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32031-32036.	4.0	16
13	Probing calorimetric heat transfer phenomena in multi-nanophase substances: A case study of some over-stoichiometric nanoarsenicals. <i>Thermochimica Acta</i> , 2021, 701, 178955.	1.2	0
14	Laser induced tunable Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase-change gratings. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012154.	0.3	0
15	Size effect of the Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> cell atop the silicon nitride O-ring resonator on the attenuation coefficient. <i>APL Materials</i> , 2021, 9, .	2.2	7
16	Tunable laser induced periodic surface structures in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films. <i>Journal of Physics: Conference Series</i> , 2021, 2086, 012170.	0.3	0
17	Specific Features of Formation of Laser-Induced Periodic Surface Structures on Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Amorphous Thin Films under Illumination by Femtosecond Laser Pulses. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900617.	0.7	13
18	Investigation of Electrophysical Properties of ITO Films. <i>Russian Physics Journal</i> , 2020, 63, 1139-1143.	0.2	1

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19	Polydimethylsiloxane Elastomers Filled with Rod-Like $\hat{\pm}$ -MnO <sub>2</sub> Nanoparticles: An Interplay of Structure and Electrorheological Performance. <i>Polymers</i> , 2020, 12, 2810.	2.0	1
20	Milling-driven nanonization of As S100- alloys from second glass-forming region: The case of lower-crystalline arsenicals (56<x<66). <i>Journal of Non-Crystalline Solids</i> , 2020, 549, 120339.	1.5	4
21	Cyclometalated Ru( <i>scpi</i> ) complexes with tunable redox and optical properties for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2020, 49, 16935-16945.	1.6	12
22	Kinetics of volume and surface driven crystallization in thin films. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 355401.	0.7	3
23	Milling-driven nanonization of As S100- alloys from second glass-forming region: The case of higher-crystalline arsenicals (51<x<56). <i>Journal of Non-Crystalline Solids</i> , 2020, 539, 120086.	1.5	4
24	Peculiarities of Estimating the Optical Band Gap of Thin Films of Phase Change Memory Materials. <i>Inorganic Materials: Applied Research</i> , 2020, 11, 330-337.	0.1	7
25	Direct observation of amorphous to crystalline phase transitions in Ge $\hat{\text{Sb}}$ Te thin films by grazing incidence X-ray diffraction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10196-10206.	1.1	4
26	Influence of the Degree of Crystallinity on the Dispersion of the Optical Parameters of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Phase-Change Memory Thin Films. <i>Semiconductors</i> , 2020, 54, 1775-1783.	0.2	4
27	Molecular Complex of Cadmium(II) Trifluoroacetate with Triphenylphosphine: Crystal Structure and Luminescence Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 473-477.	0.3	0
28	Synthesis and photovoltaic properties of new thieno[3,2-b]indole-based dyes. <i>Russian Chemical Bulletin</i> , 2019, 68, 1208-1212.	0.4	7
29	Surfactant-Switched Positive/Negative Electrorheological Effect in Tungsten Oxide Suspensions. <i>Molecules</i> , 2019, 24, 3348.	1.7	6
30	CsPbI <sub>3</sub> Perovskite Nanoparticles: Room-Temperature Synthesis and Optical Study. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 1587-1591.	0.3	3
31	The vacuum arc ion source for indium and tin ions implantation into phase change memory thin films. <i>Review of Scientific Instruments</i> , 2019, 90, 123313.	0.6	2
32	Laser-induced modification and formation of periodic surface structures (ripples) of amorphous GST225 phase change materials. <i>Optics and Laser Technology</i> , 2019, 113, 87-94.	2.2	18
33	Laser-induced modification of amorphous GST225 phase change materials. <i>Materiaux Et Techniques</i> , 2019, 107, 307.	0.3	2
34	Black hybrid iodobismuthate containing linear anionic chains. <i>New Journal of Chemistry</i> , 2018, 42, 6354-6363.	1.4	30
35	Isothermal and CW laser crystallization of amorphous Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films. <i>Journal of Non-Crystalline Solids</i> , 2018, 480, 51-56.	1.5	4
36	Synthesis, crystal structure and optical properties of 1,1'-(1,n-alkanediyl)bis(3-methylimidazolium) halobismuthates. <i>Journal of Molecular Structure</i> , 2018, 1151, 186-190.	1.8	6

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37	Multiple thermal cycling and phase transitions in Ge-Sb-Te materials. <i>Journal of Non-Crystalline Solids</i> , 2018, 501, 101-105.	1.5	1
38	Coordination Polymeric Ensemble of Silver with Nitrate and 4-(Aminomethyl)benzoate: Synthesis, Crystal Structure, and Luminescence Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 722-727.	0.3	0
39	Characteristics of Amorphous As <sub>2</sub> S <sub>3</sub> Semiconductor Films Obtained via Spin Coating. <i>Semiconductors</i> , 2018, 52, 1963-1968.	0.2	1
40	Laser-Induced Modification of the Surface of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films: Phase Changes and Periodic-Structure Formation. <i>Semiconductors</i> , 2018, 52, 809-815.	0.2	9
41	Coordination Compounds of Silver Methanesulfonate with Triphenylphosphine and 1,2-Bis(4-Pyridyl)ethane. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 103-108.	0.3	1
42	Cadmium Iodide Complex with 4-Aminomethylbenzoic Acid: Synthesis, Crystal Structure, and Luminescent Properties. <i>Russian Journal of Inorganic Chemistry</i> , 2018, 63, 333-337.	0.3	2
43	The Influence of Materials of Electrodes of Sensitized Solar Cells on Their Capacitive and Electrical Characteristics. <i>Russian Physics Journal</i> , 2018, 61, 196-202.	0.2	3
44	Dielectric Properties of Nanocrystalline Tungsten Oxide in the Temperature Range of 223–293 K. <i>Semiconductors</i> , 2018, 52, 885-890.	0.2	5
45	Effect of doping on the crystallization kinetics of phase change memory materials on the basis of Ge–Sb–Te system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 283-290.	2.0	15
46	The design and synthesis of thiophene-based ruthenium(II) complexes as promising sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2017, 140, 169-178.	2.0	15
47	Electrophysical Properties of Ge–Sb–Te Thin Films for Phase Change Memory Devices. <i>Russian Physics Journal</i> , 2017, 59, 1417-1424.	0.2	2
48	Integral isoconversional method for evaluating crystallization parameters of thin films of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> phase change memory materials. <i>Inorganic Materials</i> , 2017, 53, 45-49.	0.2	1
49	Electrical properties and transport mechanisms in phase change memory thin films of quasi-binary-line GeTe–Sb <sub>2</sub> Te <sub>3</sub> chalcogenide semiconductors. <i>Semiconductors</i> , 2017, 51, 146-152.	0.2	2
50	The dielectric properties and flow of electrorheological fluids based on polymer-coated nanodispersed barium tetraacetate titanil particles upon a dynamic shear in electric fields. <i>Colloid Journal</i> , 2017, 79, 204-211.	0.5	8
51	Synthesis, thermal stability, crystal structure and optical properties of 1,1′-(1, n) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf_50 182	1.0	17
52	Temperature and spectral dependence of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films photoconductivity. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	15
53	Novel push-pull thieno[2,3-b]indole-based dyes for efficient dye-sensitized solar cells (DSSCs). <i>Arkivoc</i> , 2017, 2017, 34-50.	0.3	7
54	Bis(4-cyano-1-pyridino)pentane halobismuthates. Light-harvesting material with an optical band gap of 1.59 eV. <i>Mendeleev Communications</i> , 2017, 27, 271-273.	0.6	27

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55	Isothermal crystallization of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> amorphous thin films and estimation of information reliability of PCM cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1831-1838.	0.8	13
56	Bimetallic 3d <sup>4f</sup> -molecules [MEu(ButCOO) <sub>5</sub> (1,10-phen)] (M = Zn <sup>2+</sup> , Co <sup>2+</sup> , phen is phenanthroline): synthesis, structure, luminescent and magnetic properties. <i>Russian Chemical Bulletin</i> , 2016, 65, 1488-1494.	0.4	9
57	Chemical surface treatment of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films for phase change memory application. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
58	Electrical properties of the Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films for phase change memory application. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	12
59	Synthesis, crystal structure, and luminescent properties of silver complexes with 2-methylquinoline. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 1538-1544.	0.3	1
60	Influence of Ti Doping on the Properties of Ge-Sb-Te Thin Films for Phase Change Memory. <i>Solid State Phenomena</i> , 2016, 247, 30-38.	0.3	1
61	A hybrid halobismuthate light-harvesting material with an optical band gap of 1.70 eV. <i>New Journal of Chemistry</i> , 2016, 40, 10041-10047.	1.4	22
62	Reactions of 2,2'-Pyridyl with the cadmium(II) compounds: Synthesis, crystal structure, and luminescence properties of [Cd(Pic) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] · H <sub>2</sub> O. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 614-619.	0.3	1
63	Voltage oscillations in the case of the switching effect in thin layers of Ge <sup>Te</sup> Sb <sup>Te</sup> chalcogenides in the current mode. <i>Semiconductors</i> , 2016, 50, 941-946.	0.2	1
64	Using extraction and sorption processes to obtain nanosized powders of calcium silicates and functional materials on their basis. <i>Theoretical Foundations of Chemical Engineering</i> , 2016, 50, 490-497.	0.2	3
65	Four- and five-coordinate metal atoms in a supramolecular polymeric assembly of silver(I) with (4-methyl-2-quinolylthio)acetate. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 1397-1402.	0.3	0
66	Tetranuclear Heterometallic {Zn <sub>2</sub> Eu <sub>2</sub> } Complexes With 1-Naphthoate Anions: Synthesis, Structure and Photoluminescence Properties. <i>Chemistry - an Asian Journal</i> , 2016, 11, 604-612.	1.7	30
67	Synthesis, crystal structure, and luminescent properties of a new modification of the zinc(II) dichloride complex with phthalazine. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 583-587.	0.3	2
68	Coordination silver polymer with the bridging anion of oxadiazolylacrylic acid: Synthesis, crystal structure, and luminescence properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 361-366.	0.3	6
69	Iridium(III) 2-Phenylbenzimidazole Complexes: Synthesis, Structure, Optical Properties, and Applications in Dye-Sensitized Solar Cells. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 347-354.	1.0	36
70	Destructive Clustering of Metal Nanoparticles in Chalcogenide and Oxide Glassy Matrices. <i>Nanoscale Research Letters</i> , 2016, 11, 34.	3.1	5
71	Influence of indium doping on the electrical properties of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films for nonvolatile phase change memory devices. <i>Journal of Physics: Conference Series</i> , 2016, 690, 012006.	0.3	11
72	Investigation of the Crystallization Kinetics in Ge-Sb-Te-Bi Thin Films for Phase Change Memory Application. <i>Acta Physica Polonica A</i> , 2016, 129, 717-720.	0.2	1

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73	Influence of the Composition on the Thermoelectric and Electro-physical Properties of Ge-Sb-Te Thin Films for Phase Change Memory Application. <i>Journal of Nano- and Electronic Physics</i> , 2016, 8, 03033-1-03033-4.	0.2	1
74	One Step Microwave-Assisted Synthesis of Fluorinated Titania Photocatalyst. <i>Key Engineering Materials</i> , 2015, 670, 177-182.	0.4	1
75	Coordination polymer of silver(I) perchlorate with quinoxaline: Synthesis, crystal structure, and luminescence properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 747-750.	0.3	4
76	Electrical properties and transport mechanisms in Ge-Sb-Te thin films for nanoelectronics. , 2015, , .		1
77	Oxygen incorporation into GST phase-change memory matrix. <i>Applied Surface Science</i> , 2015, 332, 533-541.	3.1	47
78	Synthesis, crystal structure, and luminescence properties of the complex of silver(I) perchlorate with N-(2-aminoethyl)piperazine. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015, 41, 362-367.	0.3	1
79	Supramolecular assemblies based on 1,5-naphthalene disulfonic acid: Synthesis, crystal structure, and luminescent properties. <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 151-156.	0.3	2
80	Positronics of radiation-induced effects in chalcogenide glassy semiconductors. <i>Semiconductors</i> , 2015, 49, 298-304.	0.2	3
81	Synthesis, Photophysical and Redox Properties of the Dâ€“A Type Pyrimidine Dyes Bearing the 9-Phenyl-9H-Carbazole Moiety. <i>Journal of Fluorescence</i> , 2015, 25, 763-775.	1.3	31
82	Intrinsic phase separation in low-temperature quenched arsenic trisulfide glass. <i>Journal of Non-Crystalline Solids</i> , 2015, 430, 16-20.	1.5	8
83	Luminophores based on synthetic calcium silicates. <i>Theoretical Foundations of Chemical Engineering</i> , 2015, 49, 706-713.	0.2	3
84	A facile and convenient synthesis and photovoltaic characterization of novel thieno[2,3-b]indole dyes for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2015, 199, 152-158.	2.1	35
85	Binuclear complex of silver(I) perchlorate with phthalazine: Synthesis, crystal structure, and luminescence properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 871-874.	0.3	2
86	A complex of cadmium(II) iodide with 4-cyanopyridine: Synthesis, crystal structure, and luminescent properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014, 40, 801-805.	0.3	4
87	Influence of doping on the crystallization kinetics of Ge-Sb-Te thin films for phase-change memory application. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
88	Investigation of transport mechanisms in Bi doped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films for phase change memory application. <i>Proceedings of SPIE</i> , 2014, , .	0.8	7
89	Peculiarities of Bi doping of Geâ€“Sbâ€“Te thin films for PCM devices. <i>Canadian Journal of Physics</i> , 2014, 92, 684-689.	0.4	20
90	Synthesis and photoelectrochemical properties of cyclometallated ruthenium(II) complex. <i>Russian Journal of Inorganic Chemistry</i> , 2014, 59, 658-664.	0.3	1

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91	Cadmium(II) iodide molecular coordination compounds with 4-methylpyridine and 4-methylquinoline. Russian Journal of Inorganic Chemistry, 2014, 59, 738-742.	0.3	1
92	Coordination disordering in near-stoichiometric arsenic sulfide glass. Journal of Non-Crystalline Solids, 2014, 402, 236-243.	1.5	20
93	Estimation of kinetic parameters for the phase change memory materials by DSC measurements. Journal of Thermal Analysis and Calorimetry, 2014, 117, 1509-1516.	2.0	21
94	Cyclometalated ruthenium complex as a promising sensitizer in dye-sensitized solar cells. Russian Journal of Electrochemistry, 2014, 50, 503-509.	0.3	12
95	Influence of bismuth on the optical properties of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films. Semiconductors, 2014, 48, 577-583.	0.2	6
96	Current-voltage characteristics of thin Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> films taken using a measuring circuit with a current source. Technical Physics, 2014, 59, 546-550.	0.2	9
97	Coordination molecular compounds of cadmium(II) iodide with dimethylpyridines. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 366-370.	0.3	7
98	Free volume fragmentation in glassy chalcogenides during natural physical ageing as probed by PAL spectroscopy. Journal of Non-Crystalline Solids, 2013, 377, 49-53.	1.5	20
99	Information reliability evaluation of a Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> -based phase change memory cell. Inorganic Materials, 2013, 49, 878-882.	0.2	2
100	Synthesis, crystal structure, and luminescent properties of a silver(I) perrhenate complex with phenazine. Russian Journal of Inorganic Chemistry, 2013, 58, 523-526.	0.3	0
101	Structural Changes in Doped Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films Studied by Raman Spectroscopy. Physics Procedia, 2013, 44, 82-90.	1.2	39
102	Coordination compounds of cobalt(II) and cadmium(II) with 2-amino-4-methylpyrimidine: Synthesis, crystal structure, and luminescent properties. Russian Journal of Inorganic Chemistry, 2013, 58, 1187-1192.	0.3	5
103	Phase separation in chalcogenide semiconductors of the Ge-Te system upon thermal cycling. Semiconductors, 2013, 47, 1680-1683.	0.2	0
104	Silver complexes with 2-amino-4-methylpyrimidine: Synthesis, crystal structure, and luminescent properties. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 565-570.	0.3	5
105	Iron complex redox system as a mediator for a dye-sensitized solar cell. Russian Journal of Inorganic Chemistry, 2013, 58, 62-66.	0.3	2
106	Thermal properties of phase change material Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> doped with Bi. Journal of Non-Crystalline Solids, 2013, 377, 26-29.	1.5	17
107	Photoelectrochemical cells based on nanocrystalline TiO <sub>2</sub> synthesized by high temperature hydrolysis of ammonium dihydroxylactatotitanate(IV). Russian Journal of Electrochemistry, 2013, 49, 423-427.	0.3	1
108	Synthesis, crystal structures, and luminescence spectra of the coordination compounds of cadmium(II) iodide with hexamethylenetetramine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2012, 38, 657-661.	0.3	1

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109	Synthesis, structure, thermal behavior, thermodynamic, magnetic and luminescent properties of Pr, Sm, Eu, and Gd cymantrenecarboxylates. <i>Polyhedron</i> , 2012, 43, 36-46.	1.0	24
110	Synthesis, crystal structure, and luminescence properties of the tetranuclear complex of cadmium(II) acetate with 4,4'-((1,4-phenylenediisopropylidene)bis-aniline). <i>Russian Journal of Inorganic Chemistry</i> , 2012, 57, 1553-1558.	0.3	1
111	Switching and memory effects in partly crystallized amorphous Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> films in a current controlled mode. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 3299-3303.	1.5	17
112	Novel oxovanadium(IV) heterochelate complexes: synthesis, structure, ESR spectra, and photoluminescence properties. <i>Russian Chemical Bulletin</i> , 2012, 61, 1084-1092.	0.4	6
113	Relaxation processes in glassy selenium. <i>Inorganic Materials</i> , 2012, 48, 309-312.	0.2	4
114	Phase transitions in thin Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> chalcogenide films according to Raman spectroscopy data. <i>Semiconductors</i> , 2012, 46, 591-594.	0.2	4
115	Short-range order evolution in S-rich Ge-S glasses by X-ray photoelectron spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1797-1803.	1.5	18
116	Erbium photoluminescence in potential ErQ <sub>3</sub> phosphor for organic LEDs. <i>Technical Physics Letters</i> , 2011, 37, 714-717.	0.2	0
117	Switching effects in the films based on Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . <i>Journal of Communications Technology and Electronics</i> , 2011, 56, 188-191.	0.2	0
118	Phase-change-memory materials based on system chalcogenides and their application in phase-change random-access memory. <i>Nanotechnologies in Russia</i> , 2011, 6, 227-236.	0.7	12
119	Valence band structure of binary chalcogenide vitreous semiconductors by high-resolution XPS. <i>Semiconductors</i> , 2011, 45, 423-426.	0.2	7
120	Binuclear zinc naphthoate complex with 1,10-phenanthroline: synthesis, structure, and photoluminescence properties. <i>Russian Chemical Bulletin</i> , 2011, 60, 1012-1015.	0.4	6
121	Influence of doping on the structure and optical characteristics of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> amorphous films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2688-2691.	0.8	14
122	Synthesis, structure and redox properties of new cobalt(II) and nickel(II) complexes with 6-ferrocenyl-2,2'-bipyridyl. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2607-2610.	0.8	9
123	Influence of chalcogenide glasses electro physical parameters on threshold voltage for phase-change memory. <i>Thin Solid Films</i> , 2010, 518, 5656-5658.	0.8	8
124	Synthesis and characterization of As <sub>2</sub> X <sub>3</sub> (X = Se, S)-Eu(THD) <sub>3</sub> hybrid materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 881-884.	0.8	0
125	Conductivity oscillations in Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> films stimulated by phase transformations. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, NA-NA.	0.8	1
126	Thermal effects in Ge-Sb-Te phase-change memory materials during multiple thermal cycling. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, NA-NA.	0.8	14



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127	Cluster modeling of quasiadaptive phases in vitreous germanium selenides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 921-924.	0.8	5
128	Physical aging of chalcogenide glasses. <i>Inorganic Materials</i> , 2010, 46, 911-913.	0.2	21
129	High-energy $\gamma$ -irradiation effect on physical ageing in Ge-Se glasses. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2009, 267, 2958-2961.	0.6	17
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