Eugene A Goodilin

List of Publications by Year
in descending order

191	3,357	172207	197535
papers	citations	29 h-index	49 g-index

194	194	194	4510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactivity of Carbon in Lithiumâ€“Oxygen Battery Positive Electrodes. Nano Letters, 2013, 13, 4697-4701.	4.5	262
2	Light-induced reactivity of gold and hybrid perovskite as a new possible degradation mechanism in perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 1780-1786.	5.2	132
3	Crystal Structure of DMF-Intermediate Phases Uncovers the Link Between CH₃NH₃PbI₃ Morphology and Precursor Stoichiometry. Journal of Physical Chemistry C, 2017, 121, 20739-20743.	1.5	126
4	Database of Two-Dimensional Hybrid Perovskite Materials: Open-Access Collection of Crystal Structures, Band Gaps, and Atomic Partial Charges Predicted by Machine Learning. Chemistry of Materials, 2020, 32, 7383-7388.	3.2	102
5	Solution Processing of Methylammonium Lead Iodide Perovskite from Î³-Butyrolactone: Crystallization Mediated by Solvation Equilibrium. Chemistry of Materials, 2018, 30, 5237-5244.	3.2	100
6	Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. Scientific Reports, 2015, 5, 13793.	1.6	87
7	Strategic advantages of reactive polyiodide melts for scalable perovskite photovoltaics. Nature Nanotechnology, 2019, 14, 57-63.	15.6	75
8	New Insight into the Formation of Hybrid Perovskite Nanowires via Structure Directing Adducts. Chemistry of Materials, 2017, 29, 587-594.	3.2	68
9	Planar SERS nanostructures with stochastic silver ring morphology for biosensor chips. Journal of Materials Chemistry, 2012, 22, 24530.	6.7	65
10	Construction of the Quasiâ€ternary Phase Diagram in the NdO_{1.5}â€BaOâ€CuOx System in an Air Atmosphere: Part I, Equilibrium Tie Lines in the Nd_{1+x}Ba_{2â^'x}Cu₃O_{6+Î´} Solid Solution and Liquid Region. Journal of the American Ceramic Society, 1998, 81, 2116-2124.	1.9	59
11	Decoration of WS₂ Nanotubes and Fullerene-Like MoS₂ with Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 2161-2169.	1.5	57
12	A new formation strategy of hybrid perovskites via room temperature reactive polyiodide melts. Materials Horizons, 2017, 4, 625-632.	6.4	57
13	Oxygen nonstoichiometry and phase transitions of the neodymium-rich Nd1+xBa2â^'xCu3Oz solid solution. Physica C: Superconductivity and Its Applications, 1998, 300, 250-269.	0.6	56
14	Carbon nanowalls decorated with silicon for lithium-ion batteries. Carbon, 2012, 50, 1438-1442.	5.4	56
15	Key trends in basic and application-oriented research on nanomaterials. Russian Chemical Reviews, 2009, 78, 801-820.	2.5	52
16	Protected anodes for lithium-air batteries. Solid State Ionics, 2011, 184, 62-64.	1.3	52
17	Chemical principles of preparation of metal-oxide superconductors. Russian Chemical Reviews, 2000, 69, 1-34.	2.5	51
18	LixV2O5 nanobelts for high capacity lithium-ion battery cathodes. Electrochemistry Communications, 2010, 12, 1154-1157.	2.3	44

#	Article	IF	Citations
19	Strong lightâ€“matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	1.3	44
20	Titania nanotubes supported platinum catalyst in CO oxidation process. Applied Catalysis A: General, 2009, 362, 20-25.	2.2	42
21	Synthesis, Structure, and Sensor Properties of Vanadium Pentoxide Nanorods. European Journal of Inorganic Chemistry, 2010, 2010, 5247-5253.	1.0	42
22	Temporal and spatial pinhole constraints in small-molecule hole transport layers for stable and efficient perovskite photovoltaics. Journal of Materials Chemistry A, 2019, 7, 7338-7346.	5.2	41
23	Construction of a quasi-ternary phase diagram in the NdO1.5î—¸BaOî—¸CuO system in the air atmosphere Part II. Phase equilibria of the neodymium-rich Nd1+xBa2â^'xCu3Oz solid solution. Physica C: Superconductivity and Its Applications, 1997, 289, 251-264.	0.6	39
24	Tuning SERS for living erythrocytes: Focus on nanoparticle size and plasmon resonance position. Journal of Raman Spectroscopy, 2013, 44, 686-694.	1.2	36
25	Formamidinium iodide: crystal structure and phase transitions. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 569-572.	0.2	35
26	Formamidinium Haloplumbate Intermediates: The Missing Link in a Chain of Hybrid Perovskites Crystallization. Chemistry of Materials, 2020, 32, 7739-7745.	3.2	35
27	Lithium peroxide crystal clusters as a natural growth feature of discharge products in Liâ€“O₂ cells. Beilstein Journal of Nanotechnology, 2013, 4, 758-762.	1.5	34
28	FA₂PbBr₄: Synthesis, Structure, and Unusual Optical Properties of Two Polymorphs of Formamidinium-Based Layered (110) Hybrid Perovskite. Chemistry of Materials, 2021, 33, 1900-1907.	3.2	33
29	Spray Solution Combustion Synthesis of Metallic Hollow Microspheres. Journal of Physical Chemistry C, 2016, 120, 7165-7171.	1.5	30
30	New nanocomposites for SERS studies of living cells and mitochondria. Journal of Materials Chemistry B, 2016, 4, 539-546.	2.9	30
31	New Pigeonholing Approach for Selection of Solvents Relevant to Lead Halide Perovskite Processing. Journal of Physical Chemistry C, 2020, 124, 11117-11123.	1.5	30
32	Constrained growth of anisotropic magnetic Î´-FeOOH nanoparticles in the presence of humic substances. CrystEngComm, 2012, 14, 8097.	1.3	28
33	Solubility of neodymium in copper-rich oxide melts in air and growth of Nd1 + xBa2 â^' xCu3Oz solid solution single crystals. Physica C: Superconductivity and Its Applications, 1997, 289, 37-50.	0.6	27
34	Twins and related morphology of as-grown neodymium-rich Nd1+xBa2â^'xCu3Oz crystals. Physica C: Superconductivity and Its Applications, 1998, 299, 279-300.	0.6	27
35	Sensor properties of vanadium oxide nanotubes. Mendeleev Communications, 2008, 18, 6-7.	0.6	27
36	Nature-inspired soluble iron-rich humic compounds: new look at the structure and properties. Journal of Soils and Sediments, 2014, 14, 261-268.	1.5	27

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37	Gold Decoration and Photoresistive Response to Nitrogen Dioxide of WS₂ Nanotubes. Chemistry - A European Journal, 2018, 24, 18952-18962.	1.7	27
38	Nanotechnology Facets of the Periodic Table of Elements. ACS Nano, 2019, 13, 10879-10886.	7.3	26
39	Aqueous Diaminsilver Hydroxide as a Precursor of Pure Silver Nanoparticles for SERS Probing of Living Erythrocytes. Plasmonics, 2014, 9, 227-235.	1.8	24
40	Facile preparation of nitrogen-doped nanostructured titania microspheres by a new method of Thermally Assisted Reactions in Aqueous Sprays. Journal of Materials Chemistry A, 2014, 2, 3102.	5.2	24
41	Novel Multilayer Nanostructured Materials for Recognition of Polycyclic Aromatic Sulfur Pollutants and Express Analysis of Fuel Quality and Environmental Health by Surface Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2017, 9, 15058-15067.	4.0	24
42	Highly efficient photocatalytic conversion of solar energy to hydrogen by WO3/BiVO4 coreâ€“shell heterojunction nanorods. Applied Nanoscience (Switzerland), 2019, 9, 1017-1024.	1.6	24
43	Layer Shift Factor in Layered Hybrid Perovskites: Univocal Quantitative Descriptor of Compositionâ€“Structureâ€“Property Relationships. Chemistry of Materials, 2021, 33, 1213-1217.	3.2	24
44	Ultrasonic-silver-rain preparation of SERS substrates. Materials Letters, 2014, 121, 66-69.	1.3	23
45	Nanostructured silver materials for noninvasive medical diagnostics by surface-enhanced Raman spectroscopy. Mendeleev Communications, 2016, 26, 177-186.	0.6	23
46	Preparation, chemical features, structure and applications of membrane materials based on graphene oxide. Mendeleev Communications, 2021, 31, 137-148.	0.6	23
47	Recent strategies to improve moisture stability in metal halide perovskites materials and devices. Journal of Energy Chemistry, 2022, 65, 219-235.	7.1	23
48	Effects of cathode and electrolyte properties on lithiumâ€“air battery performance: Computational study. Journal of Power Sources, 2015, 279, 707-712.	4.0	22
49	Relationships between Distortions of Inorganic Framework and Band Gap of Layered Hybrid Halide Perovskites. Chemistry of Materials, 2021, 33, 7518-7526.	3.2	22
50	Unusual silver nanostructures prepared by aerosol spray pyrolysis. CrystEngComm, 2013, 15, 7863.	1.3	21
51	New Features of Photochemical Decomposition of Hybrid Lead Halide Perovskites by Laser Irradiation. ACS Applied Materials & Interfaces, 2020, 12, 12755-12762.	4.0	21
52	Surfactants in the formation of vanadium oxide nanotubes. Mendeleev Communications, 2008, 18, 71-72.	0.6	20
53	Shedding Light on Aging of N-Doped Titania Photocatalysts. Journal of Physical Chemistry C, 2015, 119, 18663-18670.	1.5	19
54	Template synthesis of methylammonium lead iodide in the matrix of anodic titanium dioxide via the direct conversion of electrodeposited elemental lead. Mendeleev Communications, 2018, 28, 487-489.	0.6	19

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55	Methylammonium Polyiodides: Remarkable Phase Diversity of the Simplest and Low-Melting Alkylammonium Polyiodide System. Journal of Physical Chemistry Letters, 2019, 10, 5776-5780.	2.1	19
56	Dual-Purpose SERS Sensor for Selective Determination of Polycyclic Aromatic Compounds via Electron Donorâ€“Acceptor Traps. ACS Sensors, 2021, 6, 1057-1066.	4.0	19
57	Universal Strategy of 3D and 2D Hybrid Perovskites Single Crystal Growth via In Situ Solvent Conversion. Chemistry of Materials, 2020, 32, 9805-9812.	3.2	18
58	Chemical design of metal-oxide superconductors. Physica B: Condensed Matter, 2002, 321, 249-256.	1.3	15
59	Growth of thin vanadia nanobelts with improved lithium storage capacity in hydrothermally aged vanadia gels. CrystEngComm, 2012, 14, 1561-1567.	1.3	15
60	Hydrolytic Stages of Titania Nanoparticles Formation Jointly Studied by SAXS, DLS, and TEM. Journal of Physical Chemistry C, 2013, 117, 12800-12805.	1.5	15
61	Nanocomposites based on tubular and onion nanostructures of molybdenum and tungsten disulfides: inorganic design, functional properties and applications. Russian Chemical Reviews, 2018, 87, 251-271.	2.5	15
62	Periodic table of elements and nanotechnology. Mendeleev Communications, 2019, 29, 479-485.	0.6	15
63	Silver-chitosan nanocomposite as a plasmonic platform for SERS sensing of polyaromatic sulfur heterocycles in oil fuel. Nanotechnology, 2020, 31, 225503.	1.3	15
64	Solubility of Hybrid Halide Perovskites in DMF and DMSO. Molecules, 2021, 26, 7541.	1.7	15
65	Magnetic properties of maghemite nanoparticles. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 1075-1080.	0.1	14
66	Self-assembled nanoparticle patterns on carbon nanowall surfaces. Physical Chemistry Chemical Physics, 2016, 18, 12344-12349.	1.3	14
67	Theoretical assessment of thermodynamic stability of 2D octane-1,8-diammonium lead halide perovskites. Mendeleev Communications, 2020, 30, 279-281.	0.6	14
68	Texture formation in melt-solidified YBa2Cu3Oz thick films by artificial surface reliefs. Journal of Crystal Growth, 2002, 241, 512-534.	0.7	13
69	Polymer-coated substrates for surface enhanced Raman spectroscopy. Mendeleev Communications, 2015, 25, 460-462.	0.6	13
70	Nonmonotonic Photostability of BA₂MA_nâ€“1</sub>Pb_nI_{3n+1} Homologous Layered Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 961-970.	4.0	13
71	New environmental nontoxic agents for the preparation of core-shell magnetic nanoparticles. Mendeleev Communications, 2009, 19, 72-74.	0.6	12
72	Titania nanotubes, nanorods and nanopowder in the carbon monoxide oxidation process. Solid State Sciences, 2010, 12, 1024-1028.	1.5	12

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73	Nanorods of cryptomelane via soft chemistry method and their catalytic activity. Solid State Sciences, 2012, 14, 988-995.	1.5	12
74	Electron structure, Raman â€œvacancyâ€•modes and Griffiths-like phase of self-doped Pr1-MnO3+Î´ manganites. Journal of Alloys and Compounds, 2017, 722, 77-82.	2.8	12
75	Transferable Approach of Semi-Empirical Modeling of Disordered Mixed-Halide Hybrid Perovskites CH₃NH₃Pb(I_{1â€“x}Br_x)₃: Prediction of Thermodynamic Properties, Phase Stability, and Deviations from Vegardâ€™s Law. Journal of Physical Chemistry C, 2019, 123, 26036-26040.	1.5	12
76	From Metallic Lead Films to Perovskite Solar Cells through Lead Conversion with Polyhalide Solutions. ACS Applied Materials & Interfaces, 2020, 12, 20456-20461.	4.0	12
77	Crystal growth and superconductivity of Y1âˆ’xNdxBa2Cu3O7âˆ’Î´ solid solutions. Applied Superconductivity, 1998, 6, 175-183.	0.5	11
78	Phonon Raman study of theNdBa2Cu3Oyâ^'Nd2Ba1Cu3Oysystem. Physical Review B, 1998, 58, 12368-12376.	1.1	11
79	Magnetic phase transitions in nanostructures with different cluster orderings. Nanotechnologies in Russia, 2009, 4, 467-474.	0.7	11
80	Impedance spectroscopy study of lithium ion diffusion in a new cathode material based on vanadium pentoxide. Mendeleev Communications, 2010, 20, 12-14.	0.6	11
81	A new route for SERS analysis of intact erythrocytes using polydisperse silver nanoplatelets on biocompatible scaffolds. RSC Advances, 2016, 6, 85156-85164.	1.7	11
82	Inkjet printing of silver rainbow colloids for SERS chips with polychromatic sensitivity. RSC Advances, 2016, 6, 15535-15540.	1.7	11
83	Chimie douce preparation of reproducible silver coatings for SERS applications. Functional Materials Letters, 2016, 09, 1650016.	0.7	11
84	Non-classical growth of water-redispersible spheroidal gold nanoparticles assisted by leonardite humate. CrystEngComm, 2017, 19, 876-886.	1.3	11
85	Structural and microstructural features of functional materials based on cuprates and manganites. Russian Chemical Reviews, 2004, 73, 881-898.	2.5	10
86	Preparation and properties of electrochromic coatings based on nanoparticle tungsten oxide. Mendeleev Communications, 2005, 15, 178-180.	0.6	10
87	Synthesis and crystal structure of a new hybrid methylammonium iodocuprate. Mendeleev Communications, 2018, 28, 245-247.	0.6	10
88	New hierarchical titania-based structures for photocatalysis. Mendeleev Communications, 2018, 28, 541-542.	0.6	10
89	Patterned films of a hybrid lead halide perovskite grown using space-confined conversion of metallic lead by reactive polyiodide melts. RSC Advances, 2019, 9, 37079-37081.	1.7	10
90	Detection of Hypertension-Induced Changes in Erythrocytes by SERS Nanosensors. Biosensors, 2022, 12, 32.	2.3	10

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91	Modification of quantum dots with nucleic acids. Russian Chemical Reviews, 2011, 80, 1209-1221.	2.5	9
92	Microbead silica decorated with polyhedral silver nanoparticles as a versatile component of sacrificial gel films for SERS applications. RSC Advances, 2015, 5, 90335-90342.	1.7	9
93	One-Step Microheterogeneous Formation of Rutile@Anatase Coreâ€“Shell Nanostructured Microspheres Discovered by Precise Phase Mapping. Journal of Physical Chemistry C, 2017, 121, 4443-4450.	1.5	9
94	Electrodeposition of porous CuSCN layers as hole-conducting material for perovskite solar cells. Mendeleev Communications, 2018, 28, 378-380.	0.6	9
95	New Aspects of Copper Electrode Metamorphosis in Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 24601-24607.	1.5	9
96	Chapter 189 Single-crystal growth for science and technology. Fundamental Theories of Physics, 2000, 30, 67-227.	0.1	8
97	Microemulsion synthesis of mesoporous Î³-Fe2O3 nanoparticles. Doklady Chemistry, 2006, 410, 174-177.	0.2	8
98	Synthesis, chemical modification and electrochemical behaviour of layered sodium manganese dioxide. Mendeleev Communications, 2009, 19, 187-189.	0.6	8
99	Direct preparation of anion-free pure silver hydrosols. Mendeleev Communications, 2011, 21, 312-314.	0.6	8
100	Chemical Tuning of Adsorption Properties of Titanate Nanotubes. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	8
101	Fabrication of microporous cathode materials containing polyanilineâ€“vanadia self-scrolled nanoribbons. Electrochimica Acta, 2012, 63, 329-334.	2.6	8
102	MÃ¶ssbauer spectroscopy of frozen solutions as a stepwise control tool in preparation of biocompatible humic-stabilized feroxyhyte nanoparticles. Hyperfine Interactions, 2013, 219, 113-120.	0.2	8
103	One-pot preparation of SERS nanocomposites of silver and graphene oxide with tunable properties. Mendeleev Communications, 2016, 26, 231-234.	0.6	8
104	Phenomenological description of doped manganites. Electron bandwidth, crystal local structure and Curie temperature. Ceramics International, 2018, 44, 22297-22300.	2.3	8
105	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.	3.2	8
106	Molecular Immobilization and Resonant Raman Amplification by Complex-Loaded Enhancers (MIRRACLE) on copper (II)â€“chitosanâ€“modified SERS-active metallic nanostructured substrates for multiplex determination of dopamine, norepinephrine, and epinephrine. Mikrochimica Acta, 2022, 189, 211.	2.5	8
107	Fundamental chemical features of complex manganites and cuprates for advanced functional materials engineering. Pure and Applied Chemistry, 2004, 76, 1749-1768.	0.9	7
108	Hydrothermal synthesis of sodium and potassium titanates and their photocatalytic properties in water and methanol/water splitting. Doklady Chemistry, 2014, 455, 58-61.	0.2	7

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109	Probing lipids in biological membranes using SERS. Mendeleev Communications, 2019, 29, 635-637.	0.6	7
110	Solvent-free deposition of hybrid halide perovskites onto thin films of copper iodide p-type conductor. Mendeleev Communications, 2021, 31, 163-165.	0.6	7
111	Solvate phases crystallizing from hybrid halide perovskite solutions: Chemical classification and structural relations. Mendeleev Communications, 2022, 32, 311-314.	0.6	7
112	Synthesis and Properties of the CaCu x Mn7 â€“ x O12 Solid Solution with Colossal Magnetoresistance. Doklady Chemistry, 2003, 388, 33-37.	0.2	6
113	Processing-dependent CMR properties of Ca(Cu,Mn)7O12 manganites. Mendeleev Communications, 2004, 14, 153-155.	0.6	6
114	Application of Nanostructured ASP Precursors for Processing CaCuMn6O12 Colossal Magnetoresistance Ceramics. International Journal of Applied Ceramic Technology, 2006, 3, 259-265.	1.1	6
115	Synthesis, structure, and properties of vanadium pentoxide nanotubes. Glass Physics and Chemistry, 2007, 33, 232-236.	0.2	6
116	Plasmonic properties of aged silver hydrosols. Mendeleev Communications, 2016, 26, 32-34.	0.6	6
117	Hierarchic nanostructuring by selfâ€“reduction of silver (I) oxide complexes. Functional Materials Letters, 2016, 09, 1650014.	0.7	6
118	Hybridization of electronic states and magnetic properties of self-doped La 1â˜’ x MnO 3+Î´ (0â€¯â‰¤â€¯ x â€¯â‰¤â€¯0.15) perovskites: XANES study. Journal of Magnetism and Magnetic Materials, 2018, 458, 134-136.	1.0	6
119	Ternary Phase Diagrams of MAIâ€“PbI₂â€“DMF and MAIâ€“PbI₂â€“DMSO Systems. Journal of Physical Chemistry C, 2022, 126, 169-173.	1.5	6
120	Fast synthesis of YBa2Cu3Oz superconductor at low temperatures of its orthorhombic modification existence using mechanically activated and densified two-powder precursors. Physica C: Superconductivity and Its Applications, 2001, 349, 278-288.	0.6	5
121	Nanostructured Ba6Mn24O48 whiskers. Mendeleev Communications, 2007, 17, 16-17.	0.6	5
122	Chemically modified Ba6Mn24O48 tunnel manganite as a lithium insertion host. Solid State Ionics, 2010, 181, 1002-1008.	1.3	5
123	Synthesis of perovskite sodium neodymium titanates and study of their photocatalytic properties. Doklady Chemistry, 2014, 454, 9-12.	0.2	5
124	Multifunctional Composites Based on Graphite Oxide, Doxorubicin, and Magnetic Nanoparticles for Targeted Drug Delivery. Nanotechnologies in Russia, 2018, 13, 152-160.	0.7	5
125	Perovskite Puzzle for Revolutionary Functional Materials. Frontiers in Chemistry, 2020, 8, 550625.	1.8	5
126	Crystal structure of new formamidinium triiodide jointly refined by single-crystal XRD, Raman scattering spectroscopy and DFT assessment of hydrogen-bond network features. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 692-695.	0.2	5

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127	Structural Disorder in Layered Hybrid Halide Perovskites: Types of Stacking Faults, Influence on Optical Properties and Their Suppression by Crystallization Engineering. Nanomaterials, 2021, 11, 3333.	1.9	5
128	Crystal growth of the neodymium-rich Nd1+xBa2-xCu3Oz solid solution. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 53, 54-61.	1.7	4
129	Magnetoresistive â€˜necked-grainâ€™ CaCuMn6O12 ceramics prepared by ultrasonic aerosol spray pyrolysis. Mendeleev Communications, 2005, 15, 131-133.	0.6	4
130	Soluble microcapsules for non-toxic magnetic fluids. Mendeleev Communications, 2009, 19, 4-6.	0.6	4
131	Production of nanocrystalline titanium dioxide photoactive coatings for decomposition of organic water pollutants in a flow reactor. Glass Physics and Chemistry, 2012, 38, 504-510.	0.2	4
132	Immobilization of nanostructured metal silver at the surface of anodic titanium dioxide for the creation of composites with the surface plasmon resonance. Nanotechnologies in Russia, 2015, 10, 345-352.	0.7	4
133	New Acidic Precursor and Acetone-Based Solvent for Fast Perovskite Processing via Proton-Exchange Reaction with Methylamine. Molecules, 2020, 25, 1856.	1.7	4
134	Ultrasensitive and multiplex SERS determination of anthropogenic phenols in oil fuel and environmental samples. Environmental Science: Nano, 2022, 9, 964-974.	2.2	4
135	Mixing Y(RE)BCO (RE=Nd, Sm) superconductors by crystal pulling method. Applied Superconductivity, 1997, 5, 11-19.	0.5	3
136	Formation of Nd_{1+x} (Ba_{1â^'y}Sr_y)_{2â^'x} Cu₃O_{7Â±Î´} solid solutions by crystal pulling. Journal of Materials Research, 2001, 16, 529-533.	1.2	3
137	Evolution of the Superconducting NdBa2Cu3O z Phase upon Isothermal Annealing. Doklady Chemistry, 2002, 383, 105-109.	0.2	3
138	Title is missing!. Doklady Chemistry, 2002, 387, 316-321.	0.2	3
139	Dynamics of Cation Ordering in the Superconducting NdBa2Cu3O7 Phase. Doklady Chemistry, 2002, 387, 323-327.	0.2	3
140	Thermal instability of a cation-disordered NdBa2Cu3O7 superconductor. Mendeleev Communications, 2004, 14, 161-163.	0.6	3
141	Magnetic and transport properties of double distorted perovskites CaCuMn6O12 and CaCu2Mn5O12. Journal of Magnetism and Magnetic Materials, 2006, 300, e134-e136.	1.0	3
142	Lessons from the foreign nanohype. Herald of the Russian Academy of Sciences, 2009, 79, 1-6.	0.2	3
143	Application of silver nanoparticles prepared by â€œgreenâ€•chemistry approach to diagnostics of biological objects by surface enhanced Raman spectroscopy. Doklady Chemistry, 2011, 440, 302-306.	0.2	3
144	Unconventional vaporâ€“liquidâ€“solid mechanism of ultra-long Ba6Mn24O48 whiskers growth from chloride fluxes. CrystEngComm, 2012, 14, 3778.	1.3	3

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145	The Effect of Spin-Peierls Instability Suppression in Nanometer-Scale-Sized CuGeO3 Crystals. Applied Magnetic Resonance, 2016, 47, 881-893.	0.6	3
146	Surface enhanced Raman spectroscopy substrates with advanced spectral sensitivity prepared from five years old silver nanoplatelets. Functional Materials Letters, 2016, 09, 1642003.	0.7	3
147	Interfacial self-assembly of nanostructured silver octahedra for surface-enhanced Raman spectroscopy. Functional Materials Letters, 2018, 11, 1850028.	0.7	3
148	Isolation of methylammonium room temperature reactive polyiodide melt into a new starch complex. Mendeleev Communications, 2018, 28, 242-244.	0.6	3
149	Synthesis of Plasmonic Photonic Crystal SiO2â€“Ag Nanostructures by Ion Beam Deposition of Silver Clusters onto Silica Microspheres. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1415-1418.	0.1	3
150	Modern preparation methods of oriented thick films of superconducting cuprates. Crystallography Reports, 2004, 49, 233-239.	0.1	2
151	Synthesis of the protonated form of filamentary crystals of manganite Ba6Mn24O48 with a tunnel structure. Doklady Chemistry, 2006, 411, 197-201.	0.2	2
152	Flexible cathode materials based on V2O5 xerogels reinforced with electroactive Ba6Mn24O48 whiskers. Mendeleev Communications, 2007, 17, 255-257.	0.6	2
153	Insertion of lithium into the crystal structure of Ba6Mn24O48 whiskers. Doklady Chemistry, 2007, 414, 140-144.	0.2	2
154	The local structure of TiO2-based nanotubes intercalated with iron (III). Nanotechnologies in Russia, 2010, 5, 223-226.	0.7	2
155	Hydrothermal synthesis of a novel phase of vanadia-based nanowhiskers. Mendeleev Communications, 2010, 20, 153-155.	0.6	2
156	Silica microsphere decoration with silver nanoparticles by an impregnation and reduction technique. Mendeleev Communications, 2011, 21, 77-79.	0.6	2
157	An inorganic puzzle. Materials Today, 2012, 15, 175.	8.3	2
158	Skeleton pseudomorphs of nanostructured silver for the surface-enhanced Raman spectroscopy. Mendeleev Communications, 2019, 29, 395-397.	0.6	2
159	Optical properties and electronic structure of methylammonium iodocuprate as an X-ray scintillator. Mendeleev Communications, 2021, 31, 14-16.	0.6	2
160	Soft chemistry of pure silver as unique plasmonic metal of the Periodic Table of Elements. Pure and Applied Chemistry, 2020, 92, 1007-1028.	0.9	2
161	Iodine Solution Treatment in Nonpolar Solvents as a Facile Approach to Improve the Morphology and Photostability of Perovskite Films. Journal of Physical Chemistry Letters, 2022, 13, 2695-2703.	2.1	2
162	Optical Properties and Photostability Improvement of CH₃NH₃PbI₃ Treated by Iodide of Long H₃N(CH₂)₁₀COOH Bifunctional Cation in â€œ2D/3Dâ€•and â€œMonolayerâ€•Passivation Modes. Chemistry of Materials, 2022, 34, 2998-3005.	3.2	2

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163	Band Gap and Topology of 1D Perovskite-Derived Hybrid Lead Halide Structures. Crystals, 2022, 12, 657.	1.0	2
164	Relative distance from the center of mass â€“ A new structural descriptor linking the structure of organic cations with inorganic framework distortions in layered hybrid halide perovskites. Mendeleev Communications, 2022, 32, 315-316.	0.6	2
165	Possibility of Nd/sub 1.9/Ba/sub 1.1/Cu/sub 3/O/sub 7+Î´/ and Pr/sub 1.14/Ba/sub 1.86/Cu/sub 3/O/sub 7-Î´/ single crystals for insulator in high-speed superconducting circuits. IEEE Transactions on Applied Superconductivity, 2000, 10, 1662-1666.	1.1	1
166	Specific Features of Phase Relationships in the Prâ€“Baâ€“Cuâ€“O System. Doklady Chemistry, 2002, 382, 12-15.	0.2	1
167	Specific Features of the Oxygen Nonstoichiometry and Structure of Pr1 + x Ba2 â€“ x Cu3O z. Doklady Chemistry, 2002, 385, 199-202.	0.2	1
168	Local Structures of Framework Manganites Ba6Mn24O48 and CaMn7O12. Doklady Chemistry, 2002, 387, 311-315.	0.2	1
169	Chemical and morphological modifications of filamentary crystals of the Ba6Mn24O48 manganite with a tunnel structure. Glass Physics and Chemistry, 2007, 33, 350-355.	0.2	1
170	Chemical and morphological modification of complex manganese oxides with different sizes of structural tunnels. Russian Chemical Bulletin, 2008, 57, 1151-1156.	0.4	1
171	Magnetic Resonance Imaging of Endothelial Cells with Vectorized Iron Oxide Nanoparticles. Bulletin of Experimental Biology and Medicine, 2011, 151, 726-730.	0.3	1
172	The science Olympiad â€œNanotechnology: Breakthrough into the Futureâ€• Russian Journal of General Chemistry, 2013, 83, 1282-1289.	0.3	1
173	Investigation of kinetics of the process of formation of gold and silver nanoparticles and composites based on them. Nanotechnologies in Russia, 2015, 10, 713-726.	0.7	1
174	Hierarchical structure of SERS substrates possessing the silver ring morphology. Mendeleev Communications, 2019, 29, 269-272.	0.6	1
175	New Methylamine-Iodine-Mediated Solvent-Free Approach of Hybrid Perovskite Synthesis via the Redox Conversion of Metallic Lead Films. ACS Omega, 2021, 6, 20249-20253.	1.6	1
176	Strategic advantages of reactive polyiodide melts for scalable perovskite photovoltaics. , 0, , .		1
177	Promising methods for noninvasive medical diagnosis based on the use of nanoparticles: surface-enhanced raman spectroscopy in the study of cells, cell organelles and neurotransmitter metabolism markers. Bulletin of Russian State Medical University, 2019, , 57-67.	0.3	1
178	Crystallization of amino acids on substrates with superficial chiral reliefs. Mendeleev Communications, 2004, 14, 150-152.	0.6	0
179	Processing-Dependent CMR Properties of Ca(Cu,Mn)7O12 Manganites.. ChemInform, 2004, 35, no.	0.1	0
180	Magnetoresistive â€œNecked-Grainâ€•CaCuMn6O12 Ceramics Prepared by Ultrasonic Aerosol Spray Pyrolysis.. ChemInform, 2005, 36, no.	0.1	0

#	Article	IF	Citations
181	Morphological features and ion-exchange properties of the H-form of todorokite. Doklady Chemistry, 2006, 409, 101-105.	0.2	0
182	Physicochemical and functional peculiarities of metal oxide whiskers. Russian Chemical Bulletin, 2008, 57, 1042-1053.	0.4	0
183	Reduced graphite oxide decorated with gold nanoparticles for Raman scattering spectroscopy. Nanotechnologies in Russia, 2015, 10, 370-379.	0.7	0
184	Raman spectroscopy and silver nanoparticles in biomedical studies of hemoglobin. Moscow University Chemistry Bulletin, 2015, 70, 130-134.	0.2	0
185	Influence of size and surface on magnetism of magnetite and maghemite nanoparticles. International Journal of Nanotechnology, 2017, 14, 654.	0.1	0
186	Development of Modern Fundamental Materials Science at the Faculty of Materials Science of the Moscow State University. Inorganic Materials, 2018, 54, 1330-1362.	0.2	0
187	Editorial: Celebrating the International Year of the Periodic Table: Beyond Mendeleev 150. Frontiers in Chemistry, 2020, 8, 610869.	1.8	0
188	WS2 nanotubes dressed in gold and silver: Synthesis, optoelectronic properties, and NO2 sensing. AIP Conference Proceedings, 2021, , .	0.3	0
189	Iron oxideâ€“silver patchy particles prepared by ultrasonic spray burning. Mendeleev Communications, 2021, 31, 309-311.	0.6	0
190	Polyiodide-assisted fabrication of hybrid perovskite thin films from lead nanolayers on flexible substrates. Japanese Journal of Applied Physics, 0, , .	0.8	0
191	Structural disorder and stability issues â€“ two heels of Achilles of layered hybrid halide perovskites. , 0, , .		0