

# Eugene A Goodilin

## List of Publications by Year in descending order

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191  
papers

3,357  
citations

172207

29  
h-index

197535

49  
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194  
all docs

194  
docs citations

194  
times ranked

4510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent strategies to improve moisture stability in metal halide perovskites materials and devices. <i>Journal of Energy Chemistry</i> , 2022, 65, 219-235.	7.1	23
2	Detection of Hypertension-Induced Changes in Erythrocytes by SERS Nanosensors. <i>Biosensors</i> , 2022, 12, 32.	2.3	10
3	Ultrasensitive and multiplex SERS determination of anthropogenic phenols in oil fuel and environmental samples. <i>Environmental Science: Nano</i> , 2022, 9, 964-974.	2.2	4
4	Iodine Solution Treatment in Nonpolar Solvents as a Facile Approach to Improve the Morphology and Photostability of Perovskite Films. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2695-2703.	2.1	2
5	Optical Properties and Photostability Improvement of $\text{CH}_3\text{NH}_3\text{Pb}_3$ Treated by Iodide of Long $\text{H}_3\text{N}(\text{CH}_2)_{10}\text{COOH}$ Bifunctional Cation in $\alpha\text{-2D/3D}$ and $\alpha\text{-Monolayer}$ Passivation Modes. <i>Chemistry of Materials</i> , 2022, 34, 2998-3005.	3.2	2
6	Ternary Phase Diagrams of $\text{MAI-Pb}_2$ -DMF and $\text{MAI-Pb}_2$ -DMSO Systems. <i>Journal of Physical Chemistry C</i> , 2022, 126, 169-173.	1.5	6
7	Nonmonotonic Photostability of $\text{BA}_2\text{MAIn-1PbIn-3In+1}$ Homologous Layered Perovskites. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 961-970.	4.0	13
8	Band Gap and Topology of 1D Perovskite-Derived Hybrid Lead Halide Structures. <i>Crystals</i> , 2022, 12, 657.	1.0	2
9	Molecular Immobilization and Resonant Raman Amplification by Complex-Loaded Enhancers (MIRRACLE) on copper (II)- $\alpha$ -chitosan-modified SERS-active metallic nanostructured substrates for multiplex determination of dopamine, norepinephrine, and epinephrine. <i>Mikrochimica Acta</i> , 2022, 189, 211.	2.5	8
10	Solvate phases crystallizing from hybrid halide perovskite solutions: Chemical classification and structural relations. <i>Mendelev Communications</i> , 2022, 32, 311-314.	0.6	7
11	Relative distance from the center of mass $\alpha$ : A new structural descriptor linking the structure of organic cations with inorganic framework distortions in layered hybrid halide perovskites. <i>Mendelev Communications</i> , 2022, 32, 315-316.	0.6	2
12	Optical properties and electronic structure of methylammonium iodocuprate as an X-ray scintillator. <i>Mendelev Communications</i> , 2021, 31, 14-16.	0.6	2
13	WS <sub>2</sub> nanotubes dressed in gold and silver: Synthesis, optoelectronic properties, and NO <sub>2</sub> sensing. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
14	$\text{FA}_2\text{PbBr}_4$ : Synthesis, Structure, and Unusual Optical Properties of Two Polymorphs of Formamidinium-Based Layered (110) Hybrid Perovskite. <i>Chemistry of Materials</i> , 2021, 33, 1900-1907.	3.2	33
15	Dual-Purpose SERS Sensor for Selective Determination of Polycyclic Aromatic Compounds <i>via</i> Electron Donor-Acceptor Traps. <i>ACS Sensors</i> , 2021, 6, 1057-1066.	4.0	19
16	Layer Shift Factor in Layered Hybrid Perovskites: Univocal Quantitative Descriptor of Composition-Structure-Property Relationships. <i>Chemistry of Materials</i> , 2021, 33, 1213-1217.	3.2	24
17	Preparation, chemical features, structure and applications of membrane materials based on graphene oxide. <i>Mendelev Communications</i> , 2021, 31, 137-148.	0.6	23
18	Solvent-free deposition of hybrid halide perovskites onto thin films of copper iodide p-type conductor. <i>Mendelev Communications</i> , 2021, 31, 163-165.	0.6	7

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19	Iron oxide-silver patchy particles prepared by ultrasonic spray burning. <i>Mendeleev Communications</i> , 2021, 31, 309-311.	0.6	0
20	Crystal structure of new formamidinium triiodide jointly refined by single-crystal XRD, Raman scattering spectroscopy and DFT assessment of hydrogen-bond network features. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 692-695.	0.2	5
21	New Methylamine-Iodine-Mediated Solvent-Free Approach of Hybrid Perovskite Synthesis via the Redox Conversion of Metallic Lead Films. <i>ACS Omega</i> , 2021, 6, 20249-20253.	1.6	1
22	Relationships between Distortions of Inorganic Framework and Band Gap of Layered Hybrid Halide Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 7518-7526.	3.2	22
23	Solubility of Hybrid Halide Perovskites in DMF and DMSO. <i>Molecules</i> , 2021, 26, 7541.	1.7	15
24	Structural Disorder in Layered Hybrid Halide Perovskites: Types of Stacking Faults, Influence on Optical Properties and Their Suppression by Crystallization Engineering. <i>Nanomaterials</i> , 2021, 11, 3333.	1.9	5
25	Universal Strategy of 3D and 2D Hybrid Perovskites Single Crystal Growth via In Situ Solvent Conversion. <i>Chemistry of Materials</i> , 2020, 32, 9805-9812.	3.2	18
26	Formamidinium Haloplumbate Intermediates: The Missing Link in a Chain of Hybrid Perovskites Crystallization. <i>Chemistry of Materials</i> , 2020, 32, 7739-7745.	3.2	35
27	Database of Two-Dimensional Hybrid Perovskite Materials: Open-Access Collection of Crystal Structures, Band Gaps, and Atomic Partial Charges Predicted by Machine Learning. <i>Chemistry of Materials</i> , 2020, 32, 7383-7388.	3.2	102
28	New Aspects of Copper Electrode Metamorphosis in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24601-24607.	1.5	9
29	Editorial: Celebrating the International Year of the Periodic Table: Beyond Mendeleev 150. <i>Frontiers in Chemistry</i> , 2020, 8, 610869.	1.8	0
30	Perovskite Puzzle for Revolutionary Functional Materials. <i>Frontiers in Chemistry</i> , 2020, 8, 550625.	1.8	5
31	Theoretical assessment of thermodynamic stability of 2D octane-1,8-diammonium lead halide perovskites. <i>Mendeleev Communications</i> , 2020, 30, 279-281.	0.6	14
32	From Metallic Lead Films to Perovskite Solar Cells through Lead Conversion with Polyhalide Solutions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20456-20461.	4.0	12
33	New Features of Photochemical Decomposition of Hybrid Lead Halide Perovskites by Laser Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12755-12762.	4.0	21
34	Silver-chitosan nanocomposite as a plasmonic platform for SERS sensing of polyaromatic sulfur heterocycles in oil fuel. <i>Nanotechnology</i> , 2020, 31, 225503.	1.3	15
35	New Pigeonholing Approach for Selection of Solvents Relevant to Lead Halide Perovskite Processing. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11117-11123.	1.5	30
36	New Acidic Precursor and Acetone-Based Solvent for Fast Perovskite Processing via Proton-Exchange Reaction with Methylamine. <i>Molecules</i> , 2020, 25, 1856.	1.7	4

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37	Measure is Treasure: Proper Iodine Vapor Treatment as a New Method of Morphology Improvement of Lead-Halide Perovskite Films. <i>Chemistry of Materials</i> , 2020, 32, 9140-9146.	3.2	8
38	Soft chemistry of pure silver as unique plasmonic metal of the Periodic Table of Elements. <i>Pure and Applied Chemistry</i> , 2020, 92, 1007-1028.	0.9	2
39	Periodic table of elements and nanotechnology. <i>Mendeleev Communications</i> , 2019, 29, 479-485.	0.6	15
40	Methylammonium Polyiodides: Remarkable Phase Diversity of the Simplest and Low-Melting Alkylammonium Polyiodide System. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5776-5780.	2.1	19
41	Transferable Approach of Semi-Empirical Modeling of Disordered Mixed-Halide Hybrid Perovskites $\text{CH}_3\text{NH}_3\text{Pb}(\text{I}_{1-x}\text{Br}_x)_3$ : Prediction of Thermodynamic Properties, Phase Stability, and Deviations from Vegard's Law. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26036-26040.	1.5	12
42	Skeleton pseudomorphs of nanostructured silver for the surface-enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , 2019, 29, 395-397.	0.6	2
43	Hierarchical structure of SERS substrates possessing the silver ring morphology. <i>Mendeleev Communications</i> , 2019, 29, 269-272.	0.6	1
44	Nanotechnology Facets of the Periodic Table of Elements. <i>ACS Nano</i> , 2019, 13, 10879-10886.	7.3	26
45	Temporal and spatial pinhole constraints in small-molecule hole transport layers for stable and efficient perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7338-7346.	5.2	41
46	Probing lipids in biological membranes using SERS. <i>Mendeleev Communications</i> , 2019, 29, 635-637.	0.6	7
47	Synthesis of Plasmonic Photonic Crystal $\text{SiO}_2/\text{Ag}$ Nanostructures by Ion Beam Deposition of Silver Clusters onto Silica Microspheres. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 1415-1418.	0.1	3
48	Patterned films of a hybrid lead halide perovskite grown using space-confined conversion of metallic lead by reactive polyiodide melts. <i>RSC Advances</i> , 2019, 9, 37079-37081.	1.7	10
49	Strategic advantages of reactive polyiodide melts for scalable perovskite photovoltaics. <i>Nature Nanotechnology</i> , 2019, 14, 57-63.	15.6	75
50	Highly efficient photocatalytic conversion of solar energy to hydrogen by $\text{WO}_3/\text{BiVO}_4$ core-shell heterojunction nanorods. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1017-1024.	1.6	24
51	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. <i>Bulletin of Russian State Medical University</i> , 2019, , 57-67.	0.3	1
52	Hybridization of electronic states and magnetic properties of self-doped $\text{La}_{1-x}\text{MnO}_3$ ( $0 \leq x \leq 0.15$ ) perovskites: XANES study. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 134-136.	1.0	6
53	Interfacial self-assembly of nanostructured silver octahedra for surface-enhanced Raman spectroscopy. <i>Functional Materials Letters</i> , 2018, 11, 1850028.	0.7	3
54	Light-induced reactivity of gold and hybrid perovskite as a new possible degradation mechanism in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1780-1786.	5.2	132

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55	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
56	Synthesis and crystal structure of a new hybrid methylammonium iodocuprate. Mendeleev Communications, 2018, 28, 245-247.	0.6	10
57	Isolation of methylammonium room temperature reactive polyiodide melt into a new starch complex. Mendeleev Communications, 2018, 28, 242-244.	0.6	3
58	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
59	Electrodeposition of porous CuSCN layers as hole-conducting material for perovskite solar cells. Mendeleev Communications, 2018, 28, 378-380.	0.6	9
60	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
61	Gold Decoration and Photoresistive Response to Nitrogen Dioxide of WS <sub>2</sub> Nanotubes. Chemistry - A European Journal, 2018, 24, 18952-18962.	1.7	27
62	Multifunctional Composites Based on Graphite Oxide, Doxorubicin, and Magnetic Nanoparticles for Targeted Drug Delivery. Nanotechnologies in Russia, 2018, 13, 152-160.	0.7	5
63	New hierarchical titania-based structures for photocatalysis. Mendeleev Communications, 2018, 28, 541-542.	0.6	10
64	Phenomenological description of doped manganites. Electron bandwidth, crystal local structure and Curie temperature. Ceramics International, 2018, 44, 22297-22300.	2.3	8
65	Strong light-matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	1.3	44
66	Solution Processing of Methylammonium Lead Iodide Perovskite from $\beta$ -Butyrolactone: Crystallization Mediated by Solvation Equilibrium. Chemistry of Materials, 2018, 30, 5237-5244.	3.2	100
67	One-Step Microheterogeneous Formation of Rutile@Anatase Core-Shell Nanostructured Microspheres Discovered by Precise Phase Mapping. Journal of Physical Chemistry C, 2017, 121, 4443-4450.	1.5	9
68	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
69	A new formation strategy of hybrid perovskites via room temperature reactive polyiodide melts. Materials Horizons, 2017, 4, 625-632.	6.4	57
70	New Insight into the Formation of Hybrid Perovskite Nanowires via Structure Directing Adducts. Chemistry of Materials, 2017, 29, 587-594.	3.2	68
71	Electron structure, Raman $\delta$ -vacancy-modes and Griffiths-like phase of self-doped Pr <sub>1</sub> MnO <sub>3</sub> + $\delta$ manganites. Journal of Alloys and Compounds, 2017, 722, 77-82.	2.8	12
72	Non-classical growth of water-redispersible spheroidal gold nanoparticles assisted by leonardite humate. CrystEngComm, 2017, 19, 876-886.	1.3	11

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73	Formamidinium iodide: crystal structure and phase transitions. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 569-572.	0.2	35
74	Crystal Structure of DMF-Intermediate Phases Uncovers the Link Between $\text{CH}_3\text{NH}_3\text{PbI}_3$ Morphology and Precursor Stoichiometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20739-20743.	1.5	126
75	Influence of size and surface on magnetism of magnetite and maghemite nanoparticles. <i>International Journal of Nanotechnology</i> , 2017, 14, 654.	0.1	0
76	Self-assembled nanoparticle patterns on carbon nanowall surfaces. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12344-12349.	1.3	14
77	Nanostructured silver materials for noninvasive medical diagnostics by surface-enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , 2016, 26, 177-186.	0.6	23
78	One-pot preparation of SERS nanocomposites of silver and graphene oxide with tunable properties. <i>Mendeleev Communications</i> , 2016, 26, 231-234.	0.6	8
79	The Effect of Spin-Peierls Instability Suppression in Nanometer-Scale-Sized $\text{CuGeO}_3$ Crystals. <i>Applied Magnetic Resonance</i> , 2016, 47, 881-893.	0.6	3
80	Plasmonic properties of aged silver hydrosols. <i>Mendeleev Communications</i> , 2016, 26, 32-34.	0.6	6
81	A new route for SERS analysis of intact erythrocytes using polydisperse silver nanoplatelets on biocompatible scaffolds. <i>RSC Advances</i> , 2016, 6, 85156-85164.	1.7	11
82	Surface enhanced Raman spectroscopy substrates with advanced spectral sensitivity prepared from five years old silver nanoplatelets. <i>Functional Materials Letters</i> , 2016, 09, 1642003.	0.7	3
83	Inkjet printing of silver rainbow colloids for SERS chips with polychromatic sensitivity. <i>RSC Advances</i> , 2016, 6, 15535-15540.	1.7	11
84	Chimie douce preparation of reproducible silver coatings for SERS applications. <i>Functional Materials Letters</i> , 2016, 09, 1650016.	0.7	11
85	Hierarchic nanostructuring by self-reduction of silver (I) oxide complexes. <i>Functional Materials Letters</i> , 2016, 09, 1650014.	0.7	6
86	Spray Solution Combustion Synthesis of Metallic Hollow Microspheres. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7165-7171.	1.5	30
87	New nanocomposites for SERS studies of living cells and mitochondria. <i>Journal of Materials Chemistry B</i> , 2016, 4, 539-546.	2.9	30
88	Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2015, 5, 13793.	1.6	87
89	Polymer-coated substrates for surface enhanced Raman spectroscopy. <i>Mendeleev Communications</i> , 2015, 25, 460-462.	0.6	13
90	Effects of cathode and electrolyte properties on lithium-air battery performance: Computational study. <i>Journal of Power Sources</i> , 2015, 279, 707-712.	4.0	22

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91	Shedding Light on Aging of N-Doped Titania Photocatalysts. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18663-18670.	1.5	19
92	Reduced graphite oxide decorated with gold nanoparticles for Raman scattering spectroscopy. <i>Nanotechnologies in Russia</i> , 2015, 10, 370-379.	0.7	0
93	Immobilization of nanostructured metal silver at the surface of anodic titanium dioxide for the creation of composites with the surface plasmon resonance. <i>Nanotechnologies in Russia</i> , 2015, 10, 345-352.	0.7	4
94	Investigation of kinetics of the process of formation of gold and silver nanoparticles and composites based on them. <i>Nanotechnologies in Russia</i> , 2015, 10, 713-726.	0.7	1
95	Microbead silica decorated with polyhedral silver nanoparticles as a versatile component of sacrificial gel films for SERS applications. <i>RSC Advances</i> , 2015, 5, 90335-90342.	1.7	9
96	Raman spectroscopy and silver nanoparticles in biomedical studies of hemoglobin. <i>Moscow University Chemistry Bulletin</i> , 2015, 70, 130-134.	0.2	0
97	Synthesis of perovskite sodium neodymium titanates and study of their photocatalytic properties. <i>Doklady Chemistry</i> , 2014, 454, 9-12.	0.2	5
98	Ultrasonic-silver-rain preparation of SERS substrates. <i>Materials Letters</i> , 2014, 121, 66-69.	1.3	23
99	Aqueous Diamminesilver Hydroxide as a Precursor of Pure Silver Nanoparticles for SERS Probing of Living Erythrocytes. <i>Plasmonics</i> , 2014, 9, 227-235.	1.8	24
100	Decoration of WS <sub>2</sub> Nanotubes and Fullerene-Like MoS <sub>2</sub> with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2161-2169.	1.5	57
101	Facile preparation of nitrogen-doped nanostructured titania microspheres by a new method of Thermally Assisted Reactions in Aqueous Sprays. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3102.	5.2	24
102	Magnetic properties of maghemite nanoparticles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2014, 78, 1075-1080.	0.1	14
103	Hydrothermal synthesis of sodium and potassium titanates and their photocatalytic properties in water and methanol/water splitting. <i>Doklady Chemistry</i> , 2014, 455, 58-61.	0.2	7
104	Nature-inspired soluble iron-rich humic compounds: new look at the structure and properties. <i>Journal of Soils and Sediments</i> , 2014, 14, 261-268.	1.5	27
105	The science Olympiad â€œNanotechnology: Breakthrough into the Futureâ€• <i>Russian Journal of General Chemistry</i> , 2013, 83, 1282-1289.	0.3	1
106	Reactivity of Carbon in Lithiumâ€™Oxygen Battery Positive Electrodes. <i>Nano Letters</i> , 2013, 13, 4697-4701.	4.5	262
107	Unusual silver nanostructures prepared by aerosol spray pyrolysis. <i>CrystEngComm</i> , 2013, 15, 7863.	1.3	21
108	Tuning SERS for living erythrocytes: Focus on nanoparticle size and plasmon resonance position. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 686-694.	1.2	36

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109	Mössbauer spectroscopy of frozen solutions as a stepwise control tool in preparation of biocompatible humic-stabilized ferroxhyte nanoparticles. <i>Hyperfine Interactions</i> , 2013, 219, 113-120.	0.2	8
110	Hydrolytic Stages of Titania Nanoparticles Formation Jointly Studied by SAXS, DLS, and TEM. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12800-12805.	1.5	15
111	Lithium peroxide crystal clusters as a natural growth feature of discharge products in Li <sup>+</sup> O <sub>2</sub> cells. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 758-762.	1.5	34
112	Chemical Tuning of Adsorption Properties of Titanate Nanotubes. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	8
113	Production of nanocrystalline titanium dioxide photoactive coatings for decomposition of organic water pollutants in a flow reactor. <i>Glass Physics and Chemistry</i> , 2012, 38, 504-510.	0.2	4
114	Unconventional vapor-liquid-solid mechanism of ultra-long Ba <sub>6</sub> Mn <sub>24</sub> O <sub>48</sub> whiskers growth from chloride fluxes. <i>CrystEngComm</i> , 2012, 14, 3778.	1.3	3
115	Constrained growth of anisotropic magnetic γ-FeOOH nanoparticles in the presence of humic substances. <i>CrystEngComm</i> , 2012, 14, 8097.	1.3	28
116	Planar SERS nanostructures with stochastic silver ring morphology for biosensor chips. <i>Journal of Materials Chemistry</i> , 2012, 22, 24530.	6.7	65
117	Growth of thin vanadia nanobelts with improved lithium storage capacity in hydrothermally aged vanadia gels. <i>CrystEngComm</i> , 2012, 14, 1561-1567.	1.3	15
118	Carbon nanowalls decorated with silicon for lithium-ion batteries. <i>Carbon</i> , 2012, 50, 1438-1442.	5.4	56
119	Fabrication of microporous cathode materials containing polyaniline-vanadia self-scrolled nanoribbons. <i>Electrochimica Acta</i> , 2012, 63, 329-334.	2.6	8
120	An inorganic puzzle. <i>Materials Today</i> , 2012, 15, 175.	8.3	2
121	Nanorods of cryptomelane via soft chemistry method and their catalytic activity. <i>Solid State Sciences</i> , 2012, 14, 988-995.	1.5	12
122	Modification of quantum dots with nucleic acids. <i>Russian Chemical Reviews</i> , 2011, 80, 1209-1221.	2.5	9
123	Application of silver nanoparticles prepared by a green chemistry approach to diagnostics of biological objects by surface enhanced Raman spectroscopy. <i>Doklady Chemistry</i> , 2011, 440, 302-306.	0.2	3
124	Direct preparation of anion-free pure silver hydrosols. <i>Mendeleev Communications</i> , 2011, 21, 312-314.	0.6	8
125	Magnetic Resonance Imaging of Endothelial Cells with Vectorized Iron Oxide Nanoparticles. <i>Bulletin of Experimental Biology and Medicine</i> , 2011, 151, 726-730.	0.3	1
126	Silica microsphere decoration with silver nanoparticles by an impregnation and reduction technique. <i>Mendeleev Communications</i> , 2011, 21, 77-79.	0.6	2



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127	Protected anodes for lithium-air batteries. <i>Solid State Ionics</i> , 2011, 184, 62-64.	1.3	52
128	The local structure of TiO <sub>2</sub> -based nanotubes intercalated with iron (III). <i>Nanotechnologies in Russia</i> , 2010, 5, 223-226.	0.7	2
129	Chemically modified Ba <sub>6</sub> Mn <sub>24</sub> O <sub>48</sub> tunnel manganite as a lithium insertion host. <i>Solid State Ionics</i> , 2010, 181, 1002-1008.	1.3	5
130	Titania nanotubes, nanorods and nanopowder in the carbon monoxide oxidation process. <i>Solid State Sciences</i> , 2010, 12, 1024-1028.	1.5	12
131	Synthesis, Structure, and Sensor Properties of Vanadium Pentoxide Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5247-5253.	1.0	42
132	Impedance spectroscopy study of lithium ion diffusion in a new cathode material based on vanadium pentoxide. <i>Mendeleev Communications</i> , 2010, 20, 12-14.	0.6	11
133	Hydrothermal synthesis of a novel phase of vanadia-based nanowhiskers. <i>Mendeleev Communications</i> , 2010, 20, 153-155.	0.6	2
134	Li <sub>x</sub> V <sub>2</sub> O <sub>5</sub> nanobelts for high capacity lithium-ion battery cathodes. <i>Electrochemistry Communications</i> , 2010, 12, 1154-1157.	2.3	44
135	New environmental nontoxic agents for the preparation of core-shell magnetic nanoparticles. <i>Mendeleev Communications</i> , 2009, 19, 72-74.	0.6	12
136	Synthesis, chemical modification and electrochemical behaviour of layered sodium manganese dioxide. <i>Mendeleev Communications</i> , 2009, 19, 187-189.	0.6	8
137	Soluble microcapsules for non-toxic magnetic fluids. <i>Mendeleev Communications</i> , 2009, 19, 4-6.	0.6	4
138	Titania nanotubes supported platinum catalyst in CO oxidation process. <i>Applied Catalysis A: General</i> , 2009, 362, 20-25.	2.2	42
139	Magnetic phase transitions in nanostructures with different cluster orderings. <i>Nanotechnologies in Russia</i> , 2009, 4, 467-474.	0.7	11
140	Lessons from the foreign nanohype. <i>Herald of the Russian Academy of Sciences</i> , 2009, 79, 1-6.	0.2	3
141	Key trends in basic and application-oriented research on nanomaterials. <i>Russian Chemical Reviews</i> , 2009, 78, 801-820.	2.5	52
142	Physicochemical and functional peculiarities of metal oxide whiskers. <i>Russian Chemical Bulletin</i> , 2008, 57, 1042-1053.	0.4	0
143	Chemical and morphological modification of complex manganese oxides with different sizes of structural tunnels. <i>Russian Chemical Bulletin</i> , 2008, 57, 1151-1156.	0.4	1
144	Sensor properties of vanadium oxide nanotubes. <i>Mendeleev Communications</i> , 2008, 18, 6-7.	0.6	27

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145	Surfactants in the formation of vanadium oxide nanotubes. Mendeleev Communications, 2008, 18, 71-72.	0.6	20
146	Flexible cathode materials based on V <sub>2</sub> O <sub>5</sub> xerogels reinforced with electroactive Ba <sub>6</sub> Mn <sub>24</sub> O <sub>48</sub> whiskers. Mendeleev Communications, 2007, 17, 255-257.	0.6	2
147	Insertion of lithium into the crystal structure of Ba <sub>6</sub> Mn <sub>24</sub> O <sub>48</sub> whiskers. Doklady Chemistry, 2007, 414, 140-144.	0.2	2
148	Synthesis, structure, and properties of vanadium pentoxide nanotubes. Glass Physics and Chemistry, 2007, 33, 232-236.	0.2	6
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