

Yury M Shulga

List of Publications by Year in descending order

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186
papers

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186265

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3057
citing authors

#	ARTICLE	IF	CITATIONS
1	A Facile Synthesis of Noble-Metal-Free Catalyst Based on Nitrogen Doped Graphene Oxide for Oxygen Reduction Reaction. <i>Materials</i> , 2022, 15, 821.	2.9	14
2	Reduced Graphene Oxide Aerogel inside Melamine Sponge as an Electrocatalyst for the Oxygen Reduction Reaction. <i>Materials</i> , 2021, 14, 322.	2.9	5
3	The Concentration of C(sp ³) Atoms and Properties of an Activated Carbon with over 3000 m ² /g BET Surface Area. <i>Nanomaterials</i> , 2021, 11, 1324.	4.1	11
4	Influence of treatment with hydrazine and subsequent annealing on the composition and thermophysical properties of polytetrafluoroethylene-graphene oxide composite aerogel. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	3
5	Graphene-Based Aerogels Possessing Superhydrophilic and Superhydrophobic Properties and Their Application for Electroreduction of Molecular Oxygen. <i>Colloid Journal</i> , 2021, 83, 284-293.	1.3	5
6	Nitrogen-enriched carbon powder prepared by ball-milling of graphene oxide with melamine: an efficient electrocatalyst for oxygen reduction reaction. <i>Mendeleev Communications</i> , 2021, 31, 529-531.	1.6	5
7	Features and Consequences of Isopropanol Burning off PTFE-rGO Aerogels. <i>Langmuir</i> , 2021, 37, 10233-10240.	3.5	1
8	Microwave exfoliated graphite oxide (MEGO) heat treatment: Transformation and stability. <i>Diamond and Related Materials</i> , 2021, 120, 108654.	3.9	4
9	Hydrophobization of Melamine Sponges Using Radiation-Synthesized Tetrafluoroethylene Telomers. <i>High Energy Chemistry</i> , 2021, 55, 488-494.	0.9	1
10	PTFE/rGO Aerogels with Both Superhydrophobic and Superhydrophilic Properties for Electroreduction of Molecular Oxygen. <i>Energy & Fuels</i> , 2020, 34, 7573-7581.	5.1	10
11	One-step plasma electrochemical synthesis and oxygen electrocatalysis of nanocomposite of few-layer graphene structures with cobalt oxides. <i>Materials Today Energy</i> , 2020, 17, 100459.	4.7	8
12	Preparation and Characterization of a Flexible rGO-PTFE Film for a Supercapacitor Current Collector. <i>Langmuir</i> , 2020, 36, 8680-8686.	3.5	8
13	Novel Superhydrophobic Aerogel on the Base of Polytetrafluoroethylene. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32517-32522.	8.0	26
14	Structure and Thermophysical Characteristics of Polytetrafluoroethylene Composites with Few-Layer Graphene Nanoplatelets. <i>High Energy Chemistry</i> , 2019, 53, 282-286.	0.9	8
15	Mechanically Activated Solid-Phase Reaction of Copper(I) Chloride with Sodium ¹² -Diketonates: Formation of Metallic Copper Nanoparticles. <i>Russian Journal of General Chemistry</i> , 2019, 89, 1447-1450.	0.8	0
16	Noncontact tip-enhanced Raman spectroscopy for nanomaterials and biomedical applications. <i>Nanoscale Advances</i> , 2019, 1, 3392-3399.	4.6	7
17	Superhydrophobic Aerogel of Polytetrafluoroethylene/Graphene Oxide Composite. <i>High Energy Chemistry</i> , 2019, 53, 407-412.	0.9	3
18	sp amorphous carbons in view of multianalytical consideration: Normal, expected and new. <i>Journal of Non-Crystalline Solids</i> , 2019, 524, 119608.	3.1	29

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19	Mechanical Properties of Films of Graphene Oxide Doped with Chitosan. Russian Journal of Physical Chemistry A, 2019, 93, 538-541.	0.6	2
20	Doping Graphene Oxide Aerogel with Nitrogen during Reduction with Hydrazine and Low Temperature Annealing in Air. Russian Journal of Physical Chemistry A, 2019, 93, 296-300.	0.6	7
21	Characterisation and electrical conductivity of polytetrafluoroethylene/graphite nanoplatelets composite films. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	12
22	New Approach to Creating Superhydrophobic Surfaces. High Energy Chemistry, 2019, 53, 47-49.	0.9	7
23	Progress, status and prospects of non-porous, heteroatom-doped carbons for supercapacitors and other electrochemical applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	13
24	Hydrophilic and hydrophobic pores in reduced graphene oxide aerogel. Journal of Porous Materials, 2019, 26, 1111-1119.	2.6	16
25	NMR Study of the graphiteâ€N,N-dimethylformamide system after ultrasonication. High Energy Chemistry, 2018, 52, 77-80.	0.9	0
26	Changes in the composition and properties of graphene oxide films under monochromatic vacuum UV radiation. High Energy Chemistry, 2018, 52, 14-18.	0.9	5
27	Graphene oxide membranes for electrochemical energy storage and conversion. International Journal of Hydrogen Energy, 2018, 43, 2307-2326.	7.1	39
28	Fabrication of current collector using a composite of polylactic acid and carbon nano-material for metal-free supercapacitors with graphene oxide separators and microwave exfoliated graphite oxide electrodes. Electrochimica Acta, 2018, 260, 557-563.	5.2	29
29	X-Ray Photoelectron Spectra of TbB66. Inorganic Materials, 2018, 54, 45-48.	0.8	2
30	Preparation of graphene oxide-humic acid composite-based ink for printing thin film electrodes for micro-supercapacitors. Journal of Alloys and Compounds, 2018, 730, 88-95.	5.5	31
31	Comparative Study of Graphite and the Products of Its Electrochemical Exfoliation. Russian Journal of Electrochemistry, 2018, 54, 825-834.	0.9	10
32	Structure of a Composite Material Based on Polyfluorinated Alcohol and Montmorillonite. Russian Journal of Physical Chemistry A, 2018, 92, 1953-1958.	0.6	3
33	Orientational phase transition in methane-intercalated fullerite C_{60} . Physical Review B, 2018, 98, ..	3.2	1
34	Effect of Low-Temperature Heating on the Properties of Graphene Oxide Aerogel. High Energy Chemistry, 2018, 52, 355-359.	0.9	3
35	Properties of a granulated nitrogen-doped graphene oxide aerogel. Journal of Non-Crystalline Solids, 2018, 498, 236-243.	3.1	13
36	The structure and synthesis of organic crystalline polymers: hints from ab initio computation. CrystEngComm, 2018, 20, 4003-4011.	2.6	4

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37	Bulk graphanes synthesized from benzene and pyridine. CrystEngComm, 2017, 19, 958-966.	2.6	24
38	Hybrid porous carbon materials derived from composite of humic acid and graphene oxide. Microporous and Mesoporous Materials, 2017, 245, 24-30.	4.4	25
39	New data on the composition of products of ultrasonic irradiation of graphite in N-methylpyrrolidone. High Energy Chemistry, 2017, 51, 145-147.	0.9	2
40	Composite formed upon the ultrasonication of an aqueous suspension of graphite oxide–titanium dioxide. Russian Journal of Physical Chemistry A, 2017, 91, 189-194.	0.6	0
41	Metal-free current collectors based on graphene materials for supecapacitors produced by 3D printing. Russian Journal of Physical Chemistry A, 2017, 91, 1966-1970.	0.6	4
42	Comparative study of graphene aerogels synthesized using sol–gel method by reducing graphene oxide suspension. High Energy Chemistry, 2017, 51, 269-276.	0.9	6
43	Effect of adding ionic liquid 1-ethyl-3-methylimidazolium tetrafluoroborate on the coordination environment of Li ⁺ ions in propylene carbonate, according to data from IR spectroscopy and quantum chemical modeling. Russian Journal of Physical Chemistry A, 2017, 91, 1444-1450.	0.6	5
44	2D-printing ink based on ultrasound exfoliated graphite. Technical Physics Letters, 2017, 43, 274-278.	0.7	0
45	Oxidation behavior of TiB ₂ micro- and nanoparticles. Inorganic Materials, 2016, 52, 686-693.	0.8	24
46	Fluorinated microwave exfoliated graphite oxide: structural features and double layer capacitance. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 266-272.	2.1	6
47	Synthesis of polytetrafluoroethylene with a high glass transition temperature by the low-temperature postradiation polymerization of C ₂ F ₄ in the presence of graphene material. High Energy Chemistry, 2016, 50, 419-420.	0.9	0
48	Electroless deposition and properties of Co–Re–B alloys. Russian Journal of Electrochemistry, 2016, 52, 106-114.	0.9	2
49	Influence of the content on properties of microwave-exfoliated graphite oxide and Ni(OH) ₂ composites. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	1
50	Spectroscopic study of electrochemically modified fluorinated single-wall carbon nanotubes. Journal of Electroanalytical Chemistry, 2016, 775, 77-82.	3.8	2
51	High-temperature carbonization of humic acids and a composite of humic acids with graphene oxide. High Energy Chemistry, 2016, 50, 43-50.	0.9	5
52	Multilayer graphane synthesized under high hydrogen pressure. Carbon, 2016, 100, 465-473.	10.3	27
53	Structural features and magnetic behavior of nanocrystalline powders of terbium oxide prepared by the thermal decomposition of terbium acetate in air. Journal of Alloys and Compounds, 2016, 657, 163-173.	5.5	13
54	Polymer composites prepared by low-temperature post-irradiation polymerization of C ₂ F ₄ in the presence of graphene-like material: synthesis and characterization. RSC Advances, 2015, 5, 9865-9874.	3.6	20

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55	Enhancement of the Carbon Nanowall Film Capacitance. Electron Transfer Kinetics on Functionalized Surfaces. <i>Langmuir</i> , 2015, 31, 7129-7137.	3.5	21
56	Electrochemical modification of electrodes based on highly oriented carbon nanowalls. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 963-975.	0.9	9
57	Supercapacitors with graphene oxide separators and reduced graphite oxide electrodes. <i>Journal of Power Sources</i> , 2015, 279, 722-730.	7.8	59
58	İE-Donors microstructuring on surface of polymer film by their noncovalent interactions with iodine. <i>Materials Chemistry and Physics</i> , 2015, 160, 161-167.	4.0	2
59	Special features of preparation of nanosized hafnium diboride of different dispersity. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1019-1024.	0.8	4
60	Preparation of hafnium diboride nanopowders in an anhydrous Na ₂ B ₄ O ₇ ionic melt. <i>Inorganic Materials</i> , 2015, 51, 380-383.	0.8	4
61	A comparative analysis of graphene oxide films as proton conductors. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1859-1863.	2.3	14
62	Graphene oxide films as separators of polyaniline-based supercapacitors. <i>Journal of Power Sources</i> , 2014, 245, 33-36.	7.8	83
63	Structural features of nanocrystalline holmium oxide prepared by the thermal decomposition of organic precursors. <i>Journal of Alloys and Compounds</i> , 2014, 601, 31-37.	5.5	22
64	Calorimetric study of the low-temperature postradiation polymerization of tetrafluoroethylene in the presence of reduced graphite oxide. <i>High Energy Chemistry</i> , 2014, 48, 11-16.	0.9	0
65	Carbon nanomaterial produced by microwave exfoliation of graphite oxide: new insights. <i>RSC Advances</i> , 2014, 4, 587-592.	3.6	70
66	Room temperature reduction of multilayer graphene oxide film on a copper substrate: Penetration and participation of copper phase in redox reactions. <i>Carbon</i> , 2014, 69, 563-570.	10.3	25
67	Comparison of the conductivities of graphene oxide and phenol-2,4-disulfo acid-polyvinyl alcohol composite films. <i>Russian Journal of Electrochemistry</i> , 2014, 50, 999-1002.	0.9	0
68	Electrical conductivity of lanthanum oxide based composites containing carbon nanofibers. <i>Inorganic Materials</i> , 2014, 50, 673-681.	0.8	5
69	Jump in the electrical conductivity of shock-compressed glassy carbon. <i>JETP Letters</i> , 2014, 99, 237-241.	1.4	6
70	Polymorphic transformations in nanostructured anatase (TiO ₂) under high-pressure shock compression. <i>Technical Physics</i> , 2013, 58, 1029-1033.	0.7	11
71	Conductivity of graphene oxide films: Dependence from solvents and photoreduction. <i>Chemical Physics Letters</i> , 2013, 583, 155-159.	2.6	27
72	A comparative study of graphene materials formed by thermal exfoliation of graphite oxide and chlorine trifluoride-intercalated graphite. <i>High Energy Chemistry</i> , 2013, 47, 331-338.	0.9	8

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73	Effect of humidity on the conductivity of graphite oxide during its photoreduction. High Energy Chemistry, 2013, 47, 242-246.	0.9	12
74	Low-temperature radiation polymerization of tetrafluoroethylene in the presence of the carbon material obtained by explosive exfoliation of graphite oxide. High Energy Chemistry, 2013, 47, 73-75.	0.9	6
75	An NMR, DSC, and IR spectroscopy study of the composite formed during low-temperature postradiation polymerization of C ₂ F ₄ in the presence of a 3D graphene material. High Energy Chemistry, 2013, 47, 291-294.	0.9	4
76	Composite material for supercapacitors formed by polymerization of aniline in the presence of graphene oxide nanosheets. Journal of Power Sources, 2013, 224, 195-201.	7.8	43
77	Colorful Polymer Compositions with Dyed Graphene Oxide Nanosheets. , 2012, 2012, 1-5.		10
78	Gaseous products of dimethylamine borane oxidation in chemically catalyzed deposition of nickel-rhenium-boron coatings. Russian Journal of Electrochemistry, 2012, 48, 556-563.	0.9	3
79	Photoreduction of graphite oxide nanosheets with vacuum ultraviolet radiation. High Energy Chemistry, 2012, 46, 117-121.	0.9	26
80	Self-assembling ensembles of silicomolybdic acid-diamines. Russian Journal of General Chemistry, 2012, 82, 398-403.	0.8	0
81	Synthesis of nano-sized titanium diboride in a melt of anhydrous sodium tetraborate. Russian Journal of General Chemistry, 2012, 82, 819-821.	0.8	18
82	Photoreduction of graphite oxide at different temperatures. Nanotechnologies in Russia, 2012, 7, 156-163.	0.7	21
83	Electric Field Gradients at Hydrogen and Metal Sites in Light Metal Hydrides. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 231-244.	0.2	0
84	The Temperature Dependence of Chemical Shifts of Individual Peaks in the ¹³ C NMR Spectrum of the Fullerite C ₆₀ , Doped with Molecular Oxygen. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 151-157.	0.2	0
85	The graphite oxide photoreduction mechanism. High Energy Chemistry, 2011, 45, 411-415.	0.9	45
86	Dimerization of Defect Fullerenes and the Orientational Phase Transition in Oxidized C ₆₀ ; Fullerite. Journal of Nanoscience and Nanotechnology, 2011, 11, 1887-1896.	0.9	2
87	Application of infrared spectroscopy to investigation of the structure of tetrafluoroethylene telomers in acetone and their intermolecular interaction. High Energy Chemistry, 2011, 45, 43-47.	0.9	10
88	Photoreduction of graphite oxide. High Energy Chemistry, 2011, 45, 57-61.	0.9	105
89	Radiation telomerization of tetrafluoroethylene in tetrahydrofuran. High Energy Chemistry, 2011, 45, 475-480.	0.9	11
90	On the state of CH ₄ molecule in the octahedral void of C ₆₀ fullerite. Russian Chemical Bulletin, 2011, 60, 1112-1117.	1.5	2

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91	Thermally stimulated transformations in brookite-containing TiO ₂ nanopowders produced by the hydrolysis of TiCl ₄ . Technical Physics, 2011, 56, 97-101.	0.7	5
92	On the factors determining the pyrophoric stability of tungsten nanopowder obtained by plasma-chemical pyrolysis of W(CO) ₆ . Technical Physics, 2011, 56, 1531-1534.	0.7	2
93	Particulars of thermally stimulated gas-release from silica glass fiber. Glass and Ceramics (English) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	1
94	Synthesis and study of gold nanoparticles stabilized by bioflavonoids. Russian Chemical Bulletin, 2011, 60, 426-433.	1.5	23
95	Mass-spectrometric investigation of gases evolved by fluorinated single-wall carbon nanotubes during heating. International Journal of Hydrogen Energy, 2011, 36, 1349-1354.	7.1	14
96	Hydration of trinitrotoluene in the presence of a disperse composite material (Pd + Al)/SiO ₂ obtained with the use of dusty plasmas. Doklady Physics, 2010, 55, 55-57.	0.7	4
97	Correlation between the E _g (1) oscillation frequency and half-width of the (101) peak in the X-ray diffraction pattern of TiO ₂ anatase nanoparticles. Technical Physics, 2010, 55, 141-143.	0.7	7
98	Phase transformations in nanostructural anatase TiO ₂ under shock compression conditions studied by Raman spectroscopy. Technical Physics Letters, 2010, 36, 841-843.	0.7	17
99	The structure of fullerite C ₆₀ intercalated with molecular oxygen. Russian Journal of Physical Chemistry B, 2010, 4, 543-547.	1.3	0
100	Analysis of weakly bonded oxygen in HfO ₂ /SiO ₂ /Si stacks by using HRBS and ARXPS. Journal of Materials Science: Materials in Electronics, 2010, 21, 475-480.	2.2	17
101	Gaseous products of thermo- and photo-reduction of graphite oxide. Chemical Physics Letters, 2010, 498, 287-291.	2.6	61
102	Enthalpies of formation of radicals and the mass spectra of the products of tetrafluoroethylene polymerization in acetone. High Energy Chemistry, 2010, 44, 449-454.	0.9	8
103	Synthesis and properties of C ₆₀ fullerite intercalated by acetylene. Chemical Physics Letters, 2009, 483, 115-119.	2.6	4
104	Conversion of isopropyl alcohol to acetone in fullerite cavities. Russian Chemical Bulletin, 2009, 58, 758-764.	1.5	1
105	Characterization of fluorinated multiwalled carbon nanotubes with X-ray absorption, photoelectron and emission spectroscopies. Applied Physics A: Materials Science and Processing, 2009, 94, 445-448.	2.3	10
106	Experimental and theoretical study of the arrangement, electronic structure and properties of neutral paramagnetic binuclear nitrosyl iron complexes with azaheterocyclic thiolyls having π - π^* type π - π^* coordination of bridging ligands. Inorganica Chimica Acta, 2009, 362, 2499-2504.	2.4	15
107	Structure and properties of fullerite C ₆₀ intercalated with CH ₂ F ₂ . Physica Status Solidi - Rapid Research Letters, 2009, 3, 43-45.	2.4	1
108	Alternating copolymerization of ethylene with carbon monoxide on a supported palladium catalyst. Polymer Science - Series B, 2009, 51, 283-290.	0.8	8

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109	Fabrication and characterization of fluorinated single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 60-78.	0.7	23
110	Fullerite intercalated with argon at room temperature: Synthesis and physicochemical properties. Russian Journal of Inorganic Chemistry, 2009, 54, 341-345.	1.3	4
111	The new composites, polyacetylene-carbon nanotubes: Electrochemical properties. Russian Journal of Electrochemistry, 2009, 45, 296-303.	0.9	6
112	The composites of polyaniline with multiwall carbon nanotubes: Preparation, electrochemical properties, and conductivity. Russian Journal of Electrochemistry, 2009, 45, 1266-1275.	0.9	8
113	Specific features of the electronic structure of fluorinated multiwalled carbon nanotubes in the near-surface region. Physics of the Solid State, 2009, 51, 1961-1971.	0.6	6
114	Density functional theoretical study of the electronic structure and vibrational spectra of a polynuclear $[Mg_2(MeOH)_4Mo_8O_{22}(OMe)_6]^{2-}$ complex. Mendeleev Communications, 2008, 18, 128-130.	1.6	1
115	Dusty Plasma Technology of DCM with Nanostructure Surface Layer Production. AIP Conference Proceedings, 2008, , .	0.4	2
116	Fullerite with intercalated freon Ch_2F_2 . Russian Journal of Physical Chemistry A, 2008, 82, 1159-1163.	0.6	0
117	The influence of annealing in a vacuum on the concentration of radicals in fullerite C60. Russian Journal of Physical Chemistry A, 2008, 82, 1314-1317.	0.6	3
118	Stability of crystalline structure and molecules of hydrofullerene C60H36 under high shock pressures. Doklady Physics, 2008, 53, 562-565.	0.7	6
119	Oxidation of C_{60} Fullerite by Interstitial Oxygen. Journal of Physical Chemistry C, 2008, 112, 12096-12103.	3.1	9
120	Vibrational Spectra of $C_{60}H_x$ with $36 \times \frac{1}{2} \times \frac{1}{2} C_{60}$ and Emission/absorption of Some Interstellar Clouds. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 579-587.	2.1	4
121	Electronic Structure of Fluorinated Carbon Nanotubes Studied by X-ray Absorption and Photoelectron Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 335-339.	2.1	1
122	Ferromagnetic Nanoparticles Produced by Arc-Discharge Evaporation of Fe-Ni-Graphite Electrodes. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 313-316.	0.2	0
123	ON ELECTROCHEMICAL DEPOSITION OF FULLERENES AND THEIR COMPOUNDS FROM SOLUTIONS. , 2007, , 287-296.		0
124	FREE RADICAL HALOGENATION OF CARBON NANOMATERIALS AT LOW TEMPERATURES. , 2007, , 155-158.		0
125	Raman study of the high-pressure hydrogenated single-wall carbon nanotubes: In search of chemically bonded and adsorbed molecular hydrogen. Chemical Physics Letters, 2007, 433, 335-339.	2.6	23
126	XPS study of fluorinated carbon multi-walled nanotubes. Journal of Electron Spectroscopy and Related Phenomena, 2007, 160, 22-28.	1.7	75

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127	Effect of hydrogenation on the spectra of electronic and vibrational transitions in single-walled carbon nanotubes. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 245-248.	0.6	0
128	Dehydrogenation of compounds with weakened C-H bonds in the presence of platinum and palladium fullerides. Russian Journal of General Chemistry, 2007, 77, 625-628.	0.8	1
129	Carbon nanostructures in an ammonium medium. Russian Journal of General Chemistry, 2007, 77, 1655-1661.	0.8	0
130	Molecular and electronic structure and IR spectra of mononuclear dinitrosyl iron complex $\text{Fe}(\text{SC}_2\text{H}_3\text{N}_3)(\text{SC}_2\text{H}_2\text{N}_3)(\text{NO})_2$: a theoretical study. Russian Chemical Bulletin, 2007, 56, 1289-1297.	1.5	16
131	GAS INTERSTITIAL FULLERENES PRECIPITATED FROM THE SOLUTION OF C ₆₀ IN 1,2-DICHLOROBENZENE. , 2007, , 41-52.		0
132	Reaction of Hydrogen Gas with C ₆₀ at Elevated Pressure and Temperature: A Hydrogenation and Cage Fragmentation. Journal of Physical Chemistry A, 2006, 110, 8528-8534.	2.5	48
133	Mass Spectrometric Investigation of Gases Evolved from Fluorinated Multi-Walled Carbon Nanotubes at Heating. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 243-247.	2.1	8
134	Influence of CH ₃ group of $\text{N}(\text{C}_6\text{H}_5)_4$ ligand on the properties of $[\text{Fe}_2(\text{C}_4\text{H}_5\text{N}_2\text{S})_2(\text{NO})_4]$ complex. Inorganica Chimica Acta, 2006, 359, 570-576.	2.4	32
135	Effect of ultrasound treatment of C ₆₀ solutions on the crystalline structure of precipitated fullerite. Russian Journal of Physical Chemistry A, 2006, 80, 654-658.	0.6	4
136	Influence of pyrolysis conditions of aqueous solution aerosol of thiocarbamide complexes on the microwave photoconductivity of cadmium sulfide films. Semiconductors, 2006, 40, 497-502.	0.5	0
137	Interaction in fullerene-ammonia system at 423-773 K. Russian Chemical Bulletin, 2006, 55, 222-224.	1.5	0
138	Doping of fullerite with molecular oxygen at low temperature and pressure. Russian Chemical Bulletin, 2006, 55, 687-696.	1.5	9
139	Experimental and theoretical studies of the structure and IR spectra of neutral diamagnetic binuclear iron nitrosyl complexes $\text{Fe}_2(\mu\text{-SC}_6\text{H}_5)_n\text{H}_5\text{N}_n(\text{NO})_4$ ($n = 0, 1, 2$). Russian Chemical Bulletin, 2006, 55, 2133-2142.	1.5	9
140	Hydrogenation of C ₆₀ at 2 GPa pressure and high temperature. Chemical Physics, 2006, 325, 445-451.	1.9	29
141	Processing and properties of magnetic nanoparticles encapsulated in carbon shells. Materials Letters, 2006, 60, 442-446.	2.6	5
142	Electronic and Vibration Spectra of Hydrogenated Carbon Single-Wall Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 165-170.	2.1	7
143	Bi-nuclear nitrosyl iron complex with 2-mercapto-imidazolyl: Synthesis, structure and magnetic properties. Journal of Molecular Structure, 2005, 752, 110-114.	3.6	21
144	Structure and magnetic properties of nanoparticles encapsulated in carbon shells. Journal of Magnetism and Magnetic Materials, 2005, 294, e57-e62.	2.3	5

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145	Synthesis, Structure and Solid-Phase Transformations of Fe Nitrosyl Complex $\text{Na}_2[\text{Fe}_2(\text{S}_2\text{O}_3)_2(\text{NO})_4] \cdot 4\text{H}_2\text{O}$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2005, 31, 301-306.	1.0	44
146	Reaction of the Intermetallic Compound $\text{SmFe}_{11}\text{Ti}$ with Gaseous Ammonia. Russian Journal of General Chemistry, 2005, 75, 831-834.	0.8	2
147	Investigation of Composition of Endometallofullerene Extracts. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 59-63.	2.1	3
148	Evolved Gas Analysis of Heat-Treated Carbon Nanomaterials. Materials Research Society Symposia Proceedings, 2005, 885, 1.	0.1	0
149	Composition of Hydrofullerene Mixtures Produced by C_{60} Reaction with Hydrogen Gas Revealed by High-Resolution Mass Spectrometry. Journal of Physical Chemistry B, 2005, 109, 12742-12747.	2.6	37
150	In the Chase of Mixed Halofullerenes: Remarkable Transformation of C_{60}Cl_n ($n=6, 8, 12, 14$) to $\text{C}_{60}\text{Br}_{24}$. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 159-163.	2.1	7
151	Production of disperse composite materials in a dusty plasma. Doklady Physics, 2004, 49, 163-166.	0.7	5
152	Microwave photoconductivity and photodielectric effect in thin PbS films obtained from thiocarbamide coordination compounds. Semiconductors, 2004, 38, 380-386.	0.5	2
153	Thermally stable hydrogen compounds obtained under high pressure on the basis of carbon nanotubes and nanofibers. JETP Letters, 2004, 79, 226-230.	1.4	33
154	Chemical Interaction between $\text{Sm}_2\text{Fe}_{17}$ and Ammonia. Inorganic Materials, 2004, 40, 497-501.	0.8	1
155	Catalytic hydrochlorination of acetylene by gaseous HCl on the surface of mechanically pre-activated K_2PtCl_6 salt. Journal of Molecular Catalysis A, 2004, 212, 345-352.	4.8	76
156	Reactions in $\text{AB}_5\text{-NH}_3$ systems. Russian Journal of General Chemistry, 2004, 74, 1641-1645.	0.8	1
157	^2H and ^{13}C NMR investigation of deuterofullerites C_{60}D_x . Applied Physics A: Materials Science and Processing, 2004, 78, 1001-1003.	2.3	7
158	Comparative study of hydrofullerides C_{60}H_x synthesized by direct and catalytic hydrogenation. Applied Physics A: Materials Science and Processing, 2004, 78, 1005-1010.	2.3	56
159	Characterization of doped diamond-like carbon films deposited by hot wire plasma sputtering of graphite. Applied Physics A: Materials Science and Processing, 2004, 79, 2079-2084.	2.3	24
160	Gentle fragmentation of C_{60} by strong hydrogenation: a route to synthesizing new materials. Chemical Physics Letters, 2004, 400, 112-116.	2.6	30
161	Structure of the neutral mononuclear dinitrosyl iron complex with 1,2,4-triazole-3-thione $[\text{Fe}(\text{SC}_2\text{H}_3\text{N}_3)(\text{SC}_2\text{H}_2\text{N}_3)(\text{NO})_2] \cdot 0.5\text{H}_2\text{O}$. Mendelev Communications, 2004, 14, 7-8.	1.6	24
162	Theoretical analysis of the mechanism of nitrous oxide release upon the UV irradiation of binuclear sulfur-containing nitrosyl iron complexes. Mendelev Communications, 2004, 14, 9-10.	1.6	2

#	ARTICLE	IF	CITATIONS
163	New class of neutral paramagnetic binuclear sulfur-containing iron nitrosyl complexes. Russian Chemical Bulletin, 2003, 52, 1702-1708.	1.5	9
164	Hydrogen in fullerenes. Carbon, 2003, 41, 1331-1342.	10.3	40
165	Synthesis of carbon nanostructures by arc evaporation of graphite rods with Co-Ni and YNi ₂ catalysts. Carbon, 2003, 41, 1357-1364.	10.3	29
166	Deuterofullerenes. Carbon, 2003, 41, 1365-1368.	10.3	19
167	Synthesis and characterization of potential NO donors: novel iron-sulfur nitrosyls containing the $\text{Fe}_4\text{-N}_4\text{-C}_4\text{-S}$ skeleton. Inorganic Chemistry Communication, 2003, 6, 145-148.	3.9	26
168	<title>Hydrogen storage in carbon nanostructures</title>. , 2002, , .		0
169	Magnetic ordering in hydrofullerite C ₆₀ H ₂₄ . Journal of Alloys and Compounds, 2002, 330-332, 365-368.	5.5	67
170	The prospects for using of carbon nanomaterials as hydrogen storage systems. International Journal of Hydrogen Energy, 2002, 27, 1063-1069.	7.1	53
171	On the thermal decomposition of the C ₆₀ D ₁₉ deuterium fullerite. Physics of the Solid State, 2002, 44, 545-547.	0.6	6
172	Title is missing!. Doklady Chemistry, 2002, 383, 75-77.	0.9	2
173	Title is missing!. Reaction Kinetics and Catalysis Letters, 2002, 75, 55-61.	0.6	7
174	[Fe ₂ (μ_4 -SC ₅ H ₄ N) ₂ (NO) ₄] as a New Potential NO Donor: Synthesis, Structure, and Properties. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2002, 28, 341-345.	1.0	22
175	Deuterofullerene C ₆₀ D ₂₄ studied by XRD, IR and XPS. Journal of Alloys and Compounds, 2001, 314, 296-300.	5.5	30
176	New Molecular Complexes of Fullerenes C ₆₀ and C ₇₀ with Tetraphenylporphyrins [M(tpp)], in which M=H ₂ , Mn, Co, Cu, Zn, and FeCl. Chemistry - A European Journal, 2001, 7, 2605-2616.	3.3	125
177	Reaction of Platinum Fulleride C ₆₀ Pt with Dihydroanthracene. Russian Journal of General Chemistry, 2001, 71, 114-118.	0.8	3
178	New evidence for the electronic nature of the strong metal-support interaction effect over a Pt/TiO ₂ hydrogenation catalyst. Mendelev Communications, 2001, 11, 186-188.	1.6	14
179	Platinum Fulleride Reduction by Molecular Deuterium or 9, 10-dihydroanthracene. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 519-529.	0.6	1
180	Donor-acceptor interaction of fullerene C ₆₀ with triptycene in molecular complex TPC-C ₆₀ . Journal of Molecular Structure, 2000, 526, 25-29.	3.6	25

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181	Synthesis, crystal structure, and spectral studies of the molecular complex of [60]fullerene with chloro(triphenylphosphine)gold(I), C ₆₀ ·2[(Ph ₃ P)AuCl]. Russian Chemical Bulletin, 2000, 49, 367-371.	1.5	3
182	Manifestation of the effect of strong metal-support interaction in a Pt/TiO ₂ rutile catalyst. Kinetics and Catalysis, 2000, 41, 231-235.	1.0	2
183	Donor-acceptor complexes of fullerene C ₆₀ with organic and organometallic donors. Journal of Materials Chemistry, 2000, 10, 803-818.	6.7	112
184	C ₆₀ complexes with dianthracene and triptycene: synthesis and crystal structures. Synthetic Metals, 1999, 103, 2364-2365.	3.9	25
185	X-ray photoelectron spectra of C ₆₀ ·2(Ph ₃ P)AuCl grown from toluene. Synthetic Metals, 1999, 103, 2563.	3.9	1
186	X-ray photoelectron spectra of catalysts obtained upon the interaction of W(=C ₄ H ₇) ₄ and SiO ₂ . Reaction Kinetics and Catalysis Letters, 1977, 6, 377-383.	0.6	6