

# Lyubov Bulusheva

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242  
papers

5,474  
citations

33  
h-index

64  
g-index

250  
ext. papers

6,223  
ext. citations

3.9  
avg, IF

5.52  
L-index

#	Paper	IF	Citations
242	Photolysis of Fluorinated Graphites with Embedded Acetonitrile Using a White-Beam Synchrotron Radiation.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	1
241	Bromination of carbon nanohorns to improve sodium-ion storage performance. <i>Applied Surface Science</i> , <b>2022</b> , 580, 152238	6.7	1
240	Role of interface interactions in the sensitivity of sulfur-modified single-walled carbon nanotubes for nitrogen dioxide gas sensing. <i>Carbon</i> , <b>2022</b> , 186, 539-549	10.4	5
239	Optical absorption and photoluminescence of partially fluorinated graphite crystallites. <i>Carbon</i> , <b>2022</b> , 193, 98-106	10.4	0
238	Cucurbit[6]uril as a co-catalyst for the hydrogen production from formic acid. <i>Materials Today Energy</i> , <b>2022</b> , 100998	7	0
237	Lithium-induced intralayer rearrangement of molybdenum disulfide: Effect of graphene coating. <i>Applied Surface Science</i> , <b>2022</b> , 598, 153846	6.7	1
236	Electrically activated chemical bath deposition of CdS on carbon nanotube arrays. <i>Synthetic Metals</i> , <b>2021</b> , 273, 116671	3.6	0
235	Iron induced porosity of the templated carbon for enhancement of electrochemical capacitance. <i>Applied Surface Science</i> , <b>2021</b> , 543, 148565	6.7	1
234	Enhancement of Volumetric Capacitance of Binder-Free Single-Walled Carbon Nanotube Film via Fluorination. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
233	Effect of Toluene Addition in an Electric Arc on Morphology, Surface Modification, and Oxidation Behavior of Carbon Nanohorns and Their Sedimentation in Water. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
232	On the stability of Li intercalated fine-grained graphitic material. <i>Carbon</i> , <b>2021</b> , 173, 792-799	10.4	0
231	Nanoscale coupling of MoS <sub>2</sub> and graphene via rapid thermal decomposition of ammonium tetrathiomolybdate and graphite oxide for boosting capacity of Li-ion batteries. <i>Carbon</i> , <b>2021</b> , 173, 194-204	10.4	10
230	Porosity and composition of nitrogen-doped carbon materials templated by the thermolysis products of calcium tartrate and their performance in electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 158259	5.7	6
229	Fluorine patterning of graphene: effects of fluorine content and temperature. <i>Nanoscale</i> , <b>2021</b> , 13, 1206-1214	7.7	4
228	Comment on On the Difficulties and Pitfalls with the Analysis of Solid-State <sup>13</sup> C NMR Spectra in Graphitic Materials <i>Applied Magnetic Resonance</i> , <b>2021</b> , 52, 81-90	0.8	1
227	Ni-N <sub>4</sub> sites in a single-atom Ni catalyst on N-doped carbon for hydrogen production from formic acid. <i>Journal of Catalysis</i> , <b>2021</b> , 402, 264-274	7.3	12
226	Balanced kinetics between electrodes by carbon cloth@ZIF-8 for high rate performance zinc-ion hybrid capacitors. <i>Chemical Communications</i> , <b>2021</b> , 57, 8778-8781	5.8	5

225	Redox reactions between acetonitrile and nitrogen dioxide in the interlayer space of fluorinated graphite matrices. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 10580-10590	3.6	2
224	Hydrogen Plasma Treatment of Aligned Multi-Walled Carbon Nanotube Arrays for Improvement of Field Emission Properties. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
223	Modulating the defects of graphene blocks by ball-milling for ultrahigh gravimetric and volumetric performance and fast sodium storage. <i>Energy Storage Materials</i> , <b>2020</b> , 30, 287-295	19.4	35
222	The synthesis of biphenyl through C-H bond activation in benzene over a Pd catalyst supported on graphene oxide. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12178-12184	3.6	4
221	Anode materials from MoS <sub>2</sub> and multilayered holey graphene for Li-ion batteries. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 328-334	1.8	5
220	Electronic Structure of Nitrogen- and Phosphorus-Doped Graphenes Grown by Chemical Vapor Deposition Method. <i>Materials</i> , <b>2020</b> , 13,	3.5	11
219	Creation of metasurface from vertically aligned carbon nanotubes as versatile platform for ultra-light THz components. <i>Nanotechnology</i> , <b>2020</b> , 31, 255703	3.4	4
218	Room temperature synthesis of fluorinated graphite intercalation compounds with low fluorine loading of host matrix. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 232, 109482	2.1	5
217	Sodium storage properties of thin phosphorus-doped graphene layers developed on the surface of nanodiamonds under hot pressing conditions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 335-341	1.8	2
216	Modification of structure and conductivity of nanohorns by toluene addition in carbon arc. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2020</b> , 28, 342-347	1.8	5
215	Light-Induced Sulfur Transport inside Single-Walled Carbon Nanotubes. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
214	X-ray photoelectron study of electrical double layer at graphene/phosphoric acid interface. <i>Applied Surface Science</i> , <b>2020</b> , 515, 146007	6.7	2
213	Structure of Diamond Films Grown Using High-Speed Flow of a Thermally Activated CH-H Gas Mixture. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
212	Effect of ultrasound pretreatment on bromination of double-walled carbon nanotubes. <i>Synthetic Metals</i> , <b>2020</b> , 259, 116233	3.6	6
211	Synthesis of Porous Nanostructured MoS <sub>2</sub> Materials in Thermal Shock Conditions and Their Performance in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10802-10813	6.1	1
210	Structure, functional composition and electrochemical properties of nitrogen-doped multi-walled carbon nanotubes synthesized using CoMo, NiMo and FeMo catalysts. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 255, 123563	4.4	3
209	Magnetic Properties of 1D IronSulfur Compounds Formed Inside Single-Walled Carbon Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 2000291	2.5	2
208	Laser beam patterning of carbon nanotube arrays for the work of electron field emitters in technical vacuum. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 262, 114691	3.1	2

207	Hydrothermal Activation of Porous Nitrogen-Doped Carbon Materials for Electrochemical Capacitors and Sodium-Ion Batteries. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	10
206	Chemiresistive Properties of Imprinted Fluorinated Graphene Films. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
205	Preferred attachment of fluorine near oxygen-containing groups on the surface of double-walled carbon nanotubes. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144357	6.7	12
204	Percolative Composites with Carbon Nanohorns: Low-Frequency and Ultra-High Frequency Response. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
203	Hydrogen Production from Formic Acid over Au Catalysts Supported on Carbon: Comparison with Au Catalysts Supported on SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . <i>Catalysts</i> , <b>2019</b> , 9, 376	4	12
202	NEXAFS spectroscopy study of lithium interaction with nitrogen incorporated in porous graphitic material. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 11168-11178	4.3	13
201	Holey graphene with enhanced near-infrared absorption: Experimental and DFT study. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 091901	3.4	7
200	Chlorinated holey double-walled carbon nanotubes for relative humidity sensors. <i>Carbon</i> , <b>2019</b> , 148, 413-420	10.4	22
199	Single Au Atoms on the Surface of N-Free and N-Doped Carbon: Interaction with Formic Acid and Methanol Molecules. <i>Topics in Catalysis</i> , <b>2019</b> , 62, 508-517	2.3	15
198	Effect of Charge Transfer upon Li- and Na-Ion Insertion in Fine-Grained Graphitic Material as Probed by NMR. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9291-9300	9.5	7
197	Bromine polycondensation in pristine and fluorinated graphitic carbons. <i>Nanoscale</i> , <b>2019</b> , 11, 15298-15306	3.6	6
196	Pressure-Assisted Interface Engineering in MoS <sub>2</sub> /Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. <i>Energy Technology</i> , <b>2019</b> , 7, 1900659	3.5	5
195	Effects of the Carbon Support Doping with Nitrogen for the Hydrogen Production from Formic Acid over Ni Catalysts. <i>Energies</i> , <b>2019</b> , 12, 4111	3.1	12
194	Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon. <i>Carbon</i> , <b>2019</b> , 143, 660-668	10.4	11
193	Phosphorus incorporation into graphitic material via hot pressing of graphite oxide and triphenylphosphine. <i>Synthetic Metals</i> , <b>2019</b> , 248, 53-58	3.6	7
192	Graphitization of <sup>13</sup> C enriched fine-grained graphitic material under high-pressure annealing. <i>Carbon</i> , <b>2019</b> , 141, 323-330	10.4	15
191	Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. <i>Nanotechnology</i> , <b>2018</b> , 29, 134001	3.4	33
190	Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , <b>2018</b> , 29, 174003	3.4	9

189	Electrochemical Properties of the Ultrasonically Activated Thermally Expanded Graphite-Polyaniline Hybrid Material. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700516	1.3	0
188	High-Pressure High-Temperature Synthesis of MoS <sub>2</sub> /Holey Graphene Hybrids and Their Performance in Li-Ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700262	1.3	15
187	Carbon Nanotube Synthesis Using Fe-Mo/MgO Catalyst with Different Ratios of CH <sub>4</sub> and H <sub>2</sub> Gases. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700274	1.3	8
186	Electromagnetic Properties of Reduced Graphene Oxide Buckypapers Obtained by Different Reduction Procedures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700271	1.3	3
185	In situ XPS Observation of Selective NO <sub>x</sub> Adsorption on the Oxygenated Graphene Films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700267	1.3	11
184	Effect of in-plane size of MoS <sub>2</sub> nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 45-53	6.7	13
183	Charge polarization in partially lithiated single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 22592-22599	3.6	10
182	Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 13053-13066	4.3	13
181	Effect of Hydrogen Fluoride Addition and Synthesis Temperature on the Structure of Double-Walled Carbon Nanotubes Fluorinated by Molecular Fluorine. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700261	1.3	2
180	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1700226	1.3	5
179	Multiscale characterization of synthetic diamonds obtained by gas-jet deposition. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1105, 012132	0.3	3
178	5. Characterization methods <b>2018</b> , 261-408		
177	Continuous synthesis of aligned carbon nanotube arrays on copper substrates using laser-activated gas jet. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 223102	3.4	3
176	Effect of Hot Pressing on the Electrochemical Performance of Multilayer Holey Graphene Materials in Li-ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , <b>2018</b> , 255, 1800202	1.3	5
175	Optical Properties of CdS Quantum Dots on Graphene. <i>Journal of Structural Chemistry</i> , <b>2018</b> , 59, 870-876	6.9	5
174	Structure and Electrochemical Properties of Carbon Nanotubes Synthesized with Catalysts Obtained by Decomposition of Co, Ni, and Fe Polyoxomolybdates Supported by MgO. <i>Journal of Structural Chemistry</i> , <b>2018</b> , 59, 786-792	0.9	7
173	Optimization of Parameters of Graphene Synthesis on Copper Foil at Low Methan Pressure. <i>Journal of Structural Chemistry</i> , <b>2018</b> , 59, 759-765	0.9	8
172	Electrical Transport in Devices Based on Edge-Fluorinated Graphene. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800073	6.4	9

171	In Situ X-ray Photoelectron Spectroscopy Study of Lithium Interaction with Graphene and Nitrogen-Doped Graphene Films Produced by Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5108-5114	3.8	25
170	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10574-10583	13	62
169	Advantage of graphene fluorination instead of oxygenation for restorable adsorption of gaseous ammonia and nitrogen dioxide. <i>Carbon</i> , <b>2017</b> , 118, 225-232	10.4	26
168	Localization of Electron density in twisted bilayer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1600367	2.5	2
167	Factors Influencing the Performance of Pd/C Catalysts in the Green Production of Hydrogen from Formic Acid. <i>ChemSusChem</i> , <b>2017</b> , 10, 720-730	8.3	62
166	One-step chemical vapor deposition synthesis and supercapacitor performance of nitrogen-doped porous carbon-carbon nanotube hybrids. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2669-2679	3	21
165	Effect of the fluorination technique on the surface-fluorination patterning of double-walled carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 1688-1698	3	23
164	Multiscale characterization of <sup>13</sup> C-enriched fine-grained graphitic materials for chemical and electrochemical applications. <i>Carbon</i> , <b>2017</b> , 124, 161-169	10.4	13
163	Single-Walled Carbon Nanotube Reactor for Redox Transformation of Mercury Dichloride. <i>ACS Nano</i> , <b>2017</b> , 11, 8643-8649	16.7	24
162	Fluorinated Surface of Carbon Nanotube Buckypaper for Uniform Growth of CdS Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19182-19190	3.8	9
161	Effect of the graphite oxide composition on the structure of products obtained by sulfuric acid treatment at elevated temperatures. <i>Journal of Structural Chemistry</i> , <b>2017</b> , 58, 1180-1186	0.9	11
160	Tabby graphene: Dimensional magnetic crossover in fluorinated graphite. <i>Scientific Reports</i> , <b>2017</b> , 7, 16544	4.9	10
159	Functional composition and electrochemical characteristics of oxidized nanosized carbon. <i>Journal of Structural Chemistry</i> , <b>2017</b> , 58, 1187-1195	0.9	6
158	Structure of carbon nanoparticles synthesized by adiabatic compression of acetylene and their application in supercapacitors. <i>Journal of Structural Chemistry</i> , <b>2017</b> , 58, 1196-1204	0.9	2
157	An X-ray spectroscopy study of CdS nanoparticles formed by the Langmuir-Blodgett technique on the surface of carbon nanotube arrays. <i>Journal of Structural Chemistry</i> , <b>2017</b> , 58, 876-884	0.9	3
156	Electronic Structure of Fluorinated Graphene <b>2017</b> , 177-213		5
155	X-ray spectroscopy study of lithiated graphite obtained by thermal deposition of lithium. <i>Journal of Structural Chemistry</i> , <b>2017</b> , 58, 1173-1179	0.9	8
154	Leaky graphene oxide with high quantum yield and dual-wavelength photoluminescence. <i>Carbon</i> , <b>2016</b> , 108, 461-470	10.4	17

153	Supercapacitor performance of binder-free buckypapers from multiwall carbon nanotubes synthesized at different temperatures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2406-2412	1.3	13
152	Thermally exfoliated fluorinated graphite for NO <sub>2</sub> gas sensing. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2492-2498	1.3	13
151	Effect of oxidative treatment on the electrochemical properties of aligned multi-walled carbon nanotubes. <i>Russian Journal of Electrochemistry</i> , <b>2016</b> , 52, 441-448	1.2	14
150	Magnetic studies of polystyrene/iron-filled multi-wall carbon nanotube composite films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 415, 51-56	2.8	3
149	Single Isolated Pd <sup>2+</sup> Cations Supported on N-Doped Carbon as Active Sites for Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , <b>2016</b> , 6, 681-691	13.1	183
148	Correlation between manufacturing processes and anisotropic magnetic and electromagnetic properties of carbon nanotube/polystyrene composites. <i>Composites Part B: Engineering</i> , <b>2016</b> , 91, 505-512	1.9	19
147	The influence of water/organic solvent composition on the morphology and luminescent properties of CdS nanoparticles obtained by chemical precipitation. <i>Colloid Journal</i> , <b>2016</b> , 78, 30-36	1.1	2
146	Fabrication of free-standing aligned multiwalled carbon nanotube array for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 311, 42-48	8.9	25
145	Assessing carbon nanotube arrangement in polystyrene matrix by magnetic susceptibility measurements. <i>Carbon</i> , <b>2016</b> , 96, 1077-1083	10.4	12
144	Light polarizer in visible and THz range based on single-wall carbon nanotubes embedded into poly(methyl methacrylate) film. <i>Laser Physics Letters</i> , <b>2016</b> , 13, 065901	1.5	7
143	Effect of substrate temperature on the structure of amorphous oxygenated hydrocarbon films grown with a pulsed supersonic methane plasma flow. <i>Applied Surface Science</i> , <b>2016</b> , 385, 464-471	6.7	45
142	Spontaneous symmetry breaking during the switching of a buckled graphene membrane. <i>JETP Letters</i> , <b>2016</b> , 103, 244-247	1.2	3
141	Many-body effects in optical response of graphene-based structures. <i>International Journal of Quantum Chemistry</i> , <b>2016</b> , 116, 270-281	2.1	16
140	Single Atoms of Pt-Group Metals Stabilized by N-Doped Carbon Nanofibers for Efficient Hydrogen Production from Formic Acid. <i>ACS Catalysis</i> , <b>2016</b> , 6, 3442-3451	13.1	205
139	Enhanced supercapacitance of vertically aligned multi-wall carbon nanotube array covered by MoS <sub>2</sub> nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2451-2456	1.3	10
138	Insight into effect of water additive on carbon remaining in metal alloys after high-pressure high-temperature diamond synthesis. <i>Diamond and Related Materials</i> , <b>2016</b> , 70, 46-51	3.5	15
137	Revealing distortion of carbon nanotube walls via angle-resolved X-ray spectroscopy. <i>Current Applied Physics</i> , <b>2015</b> , 15, 1111-1116	2.6	2
136	Controlling pyridinic, pyrrolic, graphitic, and molecular nitrogen in multi-wall carbon nanotubes using precursors with different N/C ratios in aerosol assisted chemical vapor deposition. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 23741-7	3.6	51

135	Pd clusters supported on amorphous, low-porosity carbon spheres for hydrogen production from formic acid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8719-26	9.5	32
134	Field emission luminescence of nanodiamonds deposited on the aligned carbon nanotube array. <i>Scientific Reports</i> , <b>2015</b> , 5, 9379	4.9	49
133	Sensor properties of electron beam irradiated fluorinated graphite. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012512	1.1	8
132	Role of Defects in Carbon Nanotube Walls in Deposition of CdS Nanoparticles from a Chemical Bath. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 25898-25906	3.8	10
131	A backside fluorine-functionalized graphene layer for ammonia detection. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 444-50	3.6	35
130	Charge-induced formation of thin conducting layers on fluorinated graphite surface. <i>Carbon</i> , <b>2015</b> , 82, 446-458	10.4	21
129	Field emission properties of aligned CNx nanotube arrays synthesized by pyrolysis of a ferrocene/acetonitrile aerosol at different temperatures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2524-2529	1.3	8
128	Nitrogen species in few-layer graphene produced by thermal exfoliation of fluorinated graphite intercalation compounds. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2444-2450	1.3	10
127	Graphitic and pyridinic nitrogen in carbon nanotubes: energetic and polarization aspects. <i>Journal of Nanophotonics</i> , <b>2015</b> , 10, 012510	1.1	2
126	Polymer-assisted forge-rolling disaggregation of detonation nanodiamonds and onion-like carbon. <i>International Journal of Nanotechnology</i> , <b>2015</b> , 12, 182	1.5	5
125	Edge state magnetism in zigzag-interfaced graphene via spin susceptibility measurements. <i>Scientific Reports</i> , <b>2015</b> , 5, 13382	4.9	33
124	NiMo and CoMo alloy nanoparticles for catalytic chemical vapor deposition synthesis of carbon nanotubes. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 621, 351-356	5.7	58
123	Nitrogen inserting in fluorinated graphene via annealing of acetonitrile intercalated graphite fluoride. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2530-2535	1.3	14
122	Nanometer-Sized MoS <sub>2</sub> Clusters on Graphene Flakes for Catalytic Formic Acid Decomposition. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3950-3956	13.1	39
121	Supercapacitor performance of vertically aligned multiwall carbon nanotubes produced by aerosol-assisted CCVD method. <i>Electrochimica Acta</i> , <b>2014</b> , 139, 165-172	6.7	37
120	Structure and supercapacitor performance of graphene materials obtained from brominated and fluorinated graphites. <i>Carbon</i> , <b>2014</b> , 78, 137-146	10.4	57
119	Effect of fabrication method on the structure and electromagnetic response of carbon nanotube/polystyrene composites in low-frequency and Ka bands. <i>Composites Science and Technology</i> , <b>2014</b> , 102, 59-64	8.6	16
118	Crystal and molecular structures of bis(2,2,6,6-tetramethyl-3-methylaminoheptan-5-onate) copper(II) and nickel(II). <i>Journal of Structural Chemistry</i> , <b>2014</b> , 55, 488-492	0.9	1



117	Energy shift of collective electron excitations in highly corrugated graphitic nanostructures: Experimental and theoretical investigation. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 161905	3.4	12
116	Electromagnetic properties of phosphate composite materials with boron-containing carbon nanotubes. <i>Physics of the Solid State</i> , <b>2014</b> , 56, 2537-2542	0.8	7
115	Chlorination of perforated graphite via interaction with thionylchloride. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2613-2619	1.3	11
114	Synthesis of nitrogen-containing porous carbon using calcium oxide nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2607-2612	1.3	27
113	Supercapacitor performance of nitrogen-doped carbon nanotube arrays. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2586-2591	1.3	29
112	Anisotropic electromagnetic properties of polymer composites containing oriented multiwall carbon nanotubes in respect to terahertz polarizer applications. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 114304	2.5	35
111	Fluorine Patterning in Room-Temperature Fluorinated Graphite Determined by Solid-State NMR and DFT. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7940-7948	3.8	44
110	Anisotropy of chemical bonding in semifluorinated graphite C <sub>2</sub> F revealed with angle-resolved X-ray absorption spectroscopy. <i>ACS Nano</i> , <b>2013</b> , 7, 65-74	16.7	55
109	Effect of nitrogen doping on the electromagnetic properties of carbon nanotube-based composites. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 144315	2.5	51
108	Graphene nanochains and nanoislands in the layers of room-temperature fluorinated graphite. <i>Carbon</i> , <b>2013</b> , 59, 518-529	10.4	46
107	Photoluminescence of CdS nanoparticles grown on carbon nanotubes covered by a dielectric polymer layer. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2759-2764	1.3	3
106	Functional composition and super-capacitor properties of graphite oxide reduced with hot sulfuric acid. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2747-2752	1.3	15
105	Electro- and Photoluminescence of CdS Nanoparticles Deposited on Carbon Nanotubes. <i>Journal of Nanoelectronics and Optoelectronics</i> , <b>2013</b> , 8, 36-41	1.3	8
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103	Effect of oxidation and heat treatment on the morphology and electronic structure of carbon-encapsulated iron carbide nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 235-240	4.4	18
102	Structural Evolution and Magnetic Properties of Underfluorinated C <sub>2</sub> F. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2012</b> , 25, 79-83	1.5	11
101	Crystal structures of 1,1,1-trifluoro-4-hydroxy-4-phenyl-but-3-en-2-one, 2,2,6,6-tetramethyl-3-hydroxy-hept-3-en-5-one, 2,2,6,6-tetramethyl-3-methylamino-hept-3-en-5-one and a study of the ability of these ligands to complex formation with metals. <i>Journal of Structural Chemistry</i> , <b>2012</b> , 53, 740-747	0.9	7
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91	Charge Transfer in the MoS <sub>2</sub> /Carbon Nanotube Composite. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21199-21204	3.8	222
90	Electrochemical properties of nitrogen-doped carbon nanotube anode in Li-ion batteries. <i>Carbon</i> , <b>2011</b> , 49, 4013-4023	10.4	282
89	Layered compounds based on perforated graphene. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 903-909	0.9	10
88	Effect of iron nanoparticles in the films of composite materials and carbon nanotubes on the angular dependence of X-ray emission. <i>Journal of Structural Chemistry</i> , <b>2011</b> , 52, 50-54	0.9	
87	Ab initio study of dielectric response of rippled graphene. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 244707	3.9	62
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85	Electronic state of polyaniline deposited on carbon nanotube or ordered mesoporous carbon templates. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2484-2487	1.3	17
84	Formation of MoS <sub>2</sub> nanoparticles on the surface of reduced graphite oxide. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2740-2743	1.3	30
83	Transmission of terahertz radiation by anisotropic MWCNT/polystyrene composite films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2568-2571	1.3	19
82	Electronic structure of the chlorinated fullerene C <sub>60</sub> Cl <sub>30</sub> studied by quantum chemical modeling of X-ray absorption spectra. <i>International Journal of Quantum Chemistry</i> , <b>2011</b> , 111, 2688-2695	2.1	6

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