

Alexander Okotrub

List of Publications by Year in descending order

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354
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times ranked

9155
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#	ARTICLE	IF	CITATIONS
1	Role of interface interactions in the sensitivity of sulfur-modified single-walled carbon nanotubes for nitrogen dioxide gas sensing. <i>Carbon</i> , 2022, 186, 539-549.	10.3	17
2	Photolysis of Fluorinated Graphites with Embedded Acetonitrile Using a White-Beam Synchrotron Radiation. <i>Nanomaterials</i> , 2022, 12, 231.	4.1	4
3	One-Dimensional Red-Phosphorus Chains Encapsulated within Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2022, 16, 6002-6012.	14.6	14
4	Cucurbit[6]uril as a co-catalyst for hydrogen production from formic acid. <i>Materials Today Energy</i> , 2022, 26, 100998.	4.7	4
5	Lithium-induced intralayer rearrangement of molybdenum disulfide: Effect of graphene coating. <i>Applied Surface Science</i> , 2022, 598, 153846.	6.1	5
6	Doping of Carbon Nanotubes with Encapsulated Phosphorus Chains. <i>Inorganic Chemistry</i> , 2022, 61, 9605-9614.	4.0	6
7	On the stability of Li intercalated fine-grained graphitic material. <i>Carbon</i> , 2021, 173, 792-799.	10.3	1
8	Nanoscale coupling of MoS ₂ and graphene via rapid thermal decomposition of ammonium tetrathiomolybdate and graphite oxide for boosting capacity of Li-ion batteries. <i>Carbon</i> , 2021, 173, 194-204.	10.3	25
9	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> , 2021, 858, 158259.	5.5	11
10	Fluorine patterning of graphene: effects of fluorine content and temperature. <i>Nanoscale</i> , 2021, 13, 1206-1212.	5.6	11
11	Comment on "On the Difficulties and Pitfalls with the Analysis of Solid-State ¹³ C NMR Spectra in Graphitic Materials". <i>Applied Magnetic Resonance</i> , 2021, 52, 81-90.	1.2	1
12	INFLUENCE OF THE TEMPERATURE OF MOLYBDENUM SUBSTRATES ON THE STRUCTURE OF DIAMOND COATINGS OBTAINED BY CHEMICAL VAPOR DEPOSITION FROM A HIGH-SPEED MICROWAVE PLASMA JET. <i>Journal of Structural Chemistry</i> , 2021, 62, 153-162.	1.0	5
13	Electrically activated chemical bath deposition of CdS on carbon nanotube arrays. <i>Synthetic Metals</i> , 2021, 273, 116671.	3.9	2
14	Iron induced porosity of the templated carbon for enhancement of electrochemical capacitance. <i>Applied Surface Science</i> , 2021, 543, 148565.	6.1	3
15	Enhancement of Volumetric Capacitance of Binder-Free Single-Walled Carbon Nanotube Film via Fluorination. <i>Nanomaterials</i> , 2021, 11, 1135.	4.1	6
16	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> , 2021, 11, 992.	4.1	4
17	Engineering selenium-doped nitrogen-rich carbon nanosheets as anode materials for enhanced Na-ion storage. <i>Journal of Power Sources</i> , 2021, 493, 229700.	7.8	19
18	Laser Patterning of Aligned Carbon Nanotubes Arrays: Morphology, Surface Structure, and Interaction with Terahertz Radiation. <i>Materials</i> , 2021, 14, 3275.	2.9	2

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19	Ni-N4 sites in a single-atom Ni catalyst on N-doped carbon for hydrogen production from formic acid. <i>Journal of Catalysis</i> , 2021, 402, 264-274.	6.2	41
20	Redox reactions between acetonitrile and nitrogen dioxide in the interlayer space of fluorinated graphite matrices. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10580-10590.	2.8	8
21	Simulated Raman spectra of bulk and low-dimensional phosphorus allotropes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16611-16622.	2.8	14
22	Study of Vertically Aligned Multi-Walled Carbon Nanotubes Array for an Absolutely Black Body. <i>Inorganic Materials: Applied Research</i> , 2021, 12, 1164-1167.	0.5	3
23	Band gap opening in the BiSbTeSe_2 topological surface state induced by ferromagnetic surface reordering. <i>Physical Review Materials</i> , 2021, 5, ...	2.4	3
24	Preferred attachment of fluorine near oxygen-containing groups on the surface of double-walled carbon nanotubes. <i>Applied Surface Science</i> , 2020, 504, 144357.	6.1	19
25	Structure of Diamond Films Grown Using High-Speed Flow of a Thermally Activated $\text{CH}_4\text{-H}_2$ Gas Mixture. <i>Materials</i> , 2020, 13, 219.	2.9	9
26	Effect of ultrasound pretreatment on bromination of double-walled carbon nanotubes. <i>Synthetic Metals</i> , 2020, 259, 116233.	3.9	10
27	Synthesis of Porous Nanostructured MoS_2 Materials in Thermal Shock Conditions and Their Performance in Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 10802-10813.	5.1	8
28	Structure, functional composition and electrochemical properties of nitrogen-doped multi-walled carbon nanotubes synthesized using Co-Mo , Ni-Mo and Fe-Mo catalysts. <i>Materials Chemistry and Physics</i> , 2020, 255, 123563.	4.0	6
29	Magnetic Properties of 1D Iron-Sulfur Compounds Formed Inside Single-Walled Carbon Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000291.	2.4	3
30	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> , 2020, 262, 114691.	3.5	5
31	Hydrothermal Activation of Porous Nitrogen-Doped Carbon Materials for Electrochemical Capacitors and Sodium-Ion Batteries. <i>Nanomaterials</i> , 2020, 10, 2163.	4.1	41
32	Chemiresistive Properties of Imprinted Fluorinated Graphene Films. <i>Materials</i> , 2020, 13, 3538.	2.9	11
33	Hydrogen Plasma Treatment of Aligned Multi-Walled Carbon Nanotube Arrays for Improvement of Field Emission Properties. <i>Materials</i> , 2020, 13, 4420.	2.9	5
34	Modulating the defects of graphene blocks by ball-milling for ultrahigh gravimetric and volumetric performance and fast sodium storage. <i>Energy Storage Materials</i> , 2020, 30, 287-295.	18.0	66
35	Study of cytotoxicity performance of carbon nanohorns by method of spin probes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 737-744.	2.1	3
36	Anode materials from MoS_2 and multilayered holey graphene for Li-ion batteries. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 328-334.	2.1	8

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37	Electronic Structure of Nitrogen- and Phosphorus-Doped Graphenes Grown by Chemical Vapor Deposition Method. <i>Materials</i> , 2020, 13, 1173.	2.9	21
38	A Memristive Model for Graphene Emitters: Hysteresis and Self-Crossing. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000020.	1.5	2
39	Creation of metasurface from vertically aligned carbon nanotubes as versatile platform for ultra-light THz components. <i>Nanotechnology</i> , 2020, 31, 255703.	2.6	9
40	Room temperature synthesis of fluorinated graphite intercalation compounds with low fluorine loading of host matrix. <i>Journal of Fluorine Chemistry</i> , 2020, 232, 109482.	1.7	8
41	Effect of Fluorine Patterns on Electronic Transport in Fluorinated Graphene. <i>Advanced Theory and Simulations</i> , 2020, 3, 1900199.	2.8	13
42	MWCNT buckypaper/polypyrrole nanocomposites for supercapacitor application. <i>Electrochimica Acta</i> , 2020, 335, 135700.	5.2	32
43	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> , 2020, 28, 335-341.	2.1	4
44	Modification of structure and conductivity of nanohorns by toluene addition in carbon arc. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 342-347.	2.1	6
45	Effect of Co-Mo catalyst preparation and CH_4/H_2 flow on carbon nanotube synthesis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 707-715.	2.1	12
46	Light-Induced Sulfur Transport inside Single-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2020, 10, 818.	4.1	15
47	X-ray photoelectron study of electrical double layer at graphene/phosphoric acid interface. <i>Applied Surface Science</i> , 2020, 515, 146007.	6.1	4
48	An X-ray Spectral Study of the Electronic Structure of Non-Innocent Mono- and Binuclear Platinum Complexes with N-Phenyl-o-Benzosemiquinonediimine. <i>Journal of Structural Chemistry</i> , 2019, 60, 909-918.	1.0	1
49	Bromine polycondensation in pristine and fluorinated graphitic carbons. <i>Nanoscale</i> , 2019, 11, 15298-15306.	5.6	14
50	Pressure-Assisted Interface Engineering in MoS_2 /Holey Graphene Hybrids for Improved Performance in Li-ion Batteries. <i>Energy Technology</i> , 2019, 7, 1900659.	3.8	10
51	Purification of Single-Walled Carbon Nanotubes Using Acid Treatment and Magnetic Separation. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800742.	1.5	28
52	Percolative Composites with Carbon Nanohorns: Low-Frequency and Ultra-High Frequency Response. <i>Materials</i> , 2019, 12, 1848.	2.9	7
53	Hydrogen Production from Formic Acid over Au Catalysts Supported on Carbon: Comparison with Au Catalysts Supported on SiO_2 and Al_2O_3 . <i>Catalysts</i> , 2019, 9, 376.	3.5	24
54	NEXAFS spectroscopy study of lithium interaction with nitrogen incorporated in porous graphitic material. <i>Journal of Materials Science</i> , 2019, 54, 11168-11178.	3.7	23

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55	Redox Processes in Reduced Graphite Oxide Decorated by Carboxyl Functional Groups. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800700.	1.5	13
56	Holey graphene with enhanced near-infrared absorption: Experimental and DFT study. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	9
57	Chlorinated holey double-walled carbon nanotubes for relative humidity sensors. <i>Carbon</i> , 2019, 148, 413-420.	10.3	33
58	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> , 2019, 62, 508-517.	2.8	19
59	Effect of Charge Transfer upon Li- and Na-Ion Insertion in Fine-Grained Graphitic Material as Probed by NMR. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9291-9300.	8.0	11
60	Effects of the Carbon Support Doping with Nitrogen for the Hydrogen Production from Formic Acid over Ni Catalysts. <i>Energies</i> , 2019, 12, 4111.	3.1	20
61	Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon. <i>Carbon</i> , 2019, 143, 660-668.	10.3	18
62	Phosphorus incorporation into graphitic material via hot pressing of graphite oxide and triphenylphosphine. <i>Synthetic Metals</i> , 2019, 248, 53-58.	3.9	15
63	Graphitization of ¹³ C enriched fine-grained graphitic material under high-pressure annealing. <i>Carbon</i> , 2019, 141, 323-330.	10.3	24
64	The effect of carbon nanoparticles of various nature on the microviscosity of erythrocyte membranes in experimental animals. <i>Himia, Fizika Ta Tehnologija Poverhni</i> , 2019, 10, 312-323.	0.9	1
65	Creation of nanosized holes in graphene planes for improvement of rate capability of lithium-ion batteries. <i>Nanotechnology</i> , 2018, 29, 134001.	2.6	40
66	Iron-filled multi-walled carbon nanotubes for terahertz applications: effects of interfacial polarization, screening and anisotropy. <i>Nanotechnology</i> , 2018, 29, 174003.	2.6	11
67	Electrochemical Properties of the Ultrasonically Activated Thermally Expanded Graphite-Polyaniline Hybrid Material. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700516.	1.5	1
68	How effectively do carbon nanotube inclusions contribute to the electromagnetic performance of a composite material? Estimation criteria from microwave and terahertz measurements. <i>Carbon</i> , 2018, 129, 688-694.	10.3	18
69	High-Pressure High-Temperature Synthesis of MoS ₂ /Holey Graphene Hybrids and Their Performance in Li-Ion Batteries. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700262.	1.5	18
70	Carbon Nanotube Synthesis Using Fe-Mo/MgO Catalyst with Different Ratios of CH ₄ and H ₂ Gases. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700274.	1.5	10
71	Hyperthermal Effect of Infrared Irradiation on Aqueous Dispersion of Carbon Nanotubes and Their Penetration Into <i>Drosophila melanogaster</i> Larvae. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700264.	1.5	3
72	Electromagnetic Properties of Reduced Graphene Oxide Bucky papers Obtained by Different Reduction Procedures. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700271.	1.5	4

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73	<i>In situ</i> XPS Observation of Selective NO _x Adsorption on the Oxygenated Graphene Films. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700267.	1.5	19
74	Chemical sensors are hybrid-input memristors. <i>Applied Surface Science</i> , 2018, 436, 1018-1021.	6.1	7
75	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> , 2018, 255, 1700261.	1.5	4
76	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700226.	1.5	7
77	Multiscale characterization of synthetic diamonds obtained by gas-jet deposition. <i>Journal of Physics: Conference Series</i> , 2018, 1105, 012132.	0.4	5
78	5. Characterization methods. , 2018, , 261-408.		0
79	Continuous synthesis of aligned carbon nanotube arrays on copper substrates using laser-activated gas jet. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	4
80	Arrays of vertically aligned multi-walled carbon nanotubes grown on silicon and copper substrates by thermal decomposition of ferrocene-toluene aerosol. <i>Journal of Physics: Conference Series</i> , 2018, 1105, 012141.	0.4	0
81	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> , 2018, 255, 1800202.	1.5	6
82	Optical Properties of CdS Quantum Dots on Graphene. <i>Journal of Structural Chemistry</i> , 2018, 59, 870-876.	1.0	6
83	Scientific Achievements in Studying Graphene and Related Structures. <i>Journal of Structural Chemistry</i> , 2018, 59, 755-758.	1.0	0
84	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> , 2018, 59, 786-792.	1.0	7
85	Optimization of Parameters of Graphene Synthesis on Copper Foil at Low Methan Pressure. <i>Journal of Structural Chemistry</i> , 2018, 59, 759-765.	1.0	9
86	Electron Transport and Piezoresistive Effect in Single-Walled Carbon Nanotube Films on Polyethylene Terephthalate Substrates. <i>Journal of Structural Chemistry</i> , 2018, 59, 905-912.	1.0	2
87	Temperature Dependence of Electrical Conductivity and Thermoelectric Power of Transparent SWCNT Films Obtained by Aerosol CVD Synthesis. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700642.	1.5	4
88	Localized plasmon resonance in boron-doped multiwalled carbon nanotubes. <i>Physical Review B</i> , 2018, 97, .	3.2	7
89	Electrical Transport in Devices Based on Edge-Fluorinated Graphene. <i>Advanced Electronic Materials</i> , 2018, 4, 1800073.	5.1	11
90	Effect of in-plane size of MoS ₂ nanoparticles grown over multilayer graphene on the electrochemical performance of anodes in Li-ion batteries. <i>Electrochimica Acta</i> , 2018, 283, 45-53.	5.2	17

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91	The Automation of a CVD-Reactor for the Synthesis of Vertically Oriented Carbon Nanotube Arrays. Instruments and Experimental Techniques, 2018, 61, 482-485.	0.5	5
92	Charge polarization in partially lithiated single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 22592-22599.	2.8	13
93	X-ray photoelectron spectroscopy study of the interaction of lithium with graphene. Physical Sciences Reviews, 2018, 3, .	0.8	0
94	Electronic and structural peculiarities of Br ₂ -embedded C ₂ F: XPS and DFT study. AIP Advances, 2018, 8, 085319.	1.3	5
95	A Laboratory CVD Reactor for the Synthesis of Vertically Oriented Carbon Nanotube Arrays. Instruments and Experimental Techniques, 2018, 61, 604-609.	0.5	5
96	Structure and supercapacitor properties of few-layer low-fluorinated graphene materials. Journal of Materials Science, 2018, 53, 13053-13066.	3.7	18
97	Heat-Induced Dip of Optical Limiting Threshold in Carbon Nanotube Aqueous Suspension. Journal of Physical Chemistry C, 2018, 122, 16339-16345.	3.1	9
98	Control Conductance of Single Walled Carbon Nanotubes Films During Synthesis. Journal of Siberian Federal University - Mathematics and Physics, 2018, 11, 222-226.	0.3	0
99	In Situ X-ray Photoelectron Spectroscopy Study of Lithium Interaction with Graphene and Nitrogen-Doped Graphene Films Produced by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2017, 121, 5108-5114.	3.1	34
100	Copper on carbon materials: stabilization by nitrogen doping. Journal of Materials Chemistry A, 2017, 5, 10574-10583.	10.3	103
101	Extra electronic outer-shell peculiarities accessible under a joint XPS and DFT study. Physical Chemistry Chemical Physics, 2017, 19, 15842-15848.	2.8	5
102	Advantage of graphene fluorination instead of oxygenation for restorable adsorption of gaseous ammonia and nitrogen dioxide. Carbon, 2017, 118, 225-232.	10.3	33
103	Localization of π -electron density in twisted bilayer graphene. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600367.	2.4	2
104	Grain size effect in conductive phosphate / carbon nanotube ceramics. Ceramics International, 2017, 43, 4965-4969.	4.8	6
105	Factors Influencing the Performance of Pd/C Catalysts in the Green Production of Hydrogen from Formic Acid. ChemSusChem, 2017, 10, 720-730.	6.8	76
106	Multiscale characterization of ¹³ C-enriched fine-grained graphitic materials for chemical and electrochemical applications. Carbon, 2017, 124, 161-169.	10.3	13
107	Single-Walled Carbon Nanotube Reactor for Redox Transformation of Mercury Dichloride. ACS Nano, 2017, 11, 8643-8649.	14.6	38
108	Fluorinated Surface of Carbon Nanotube Buckypaper for Uniform Growth of CdS Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 19182-19190.	3.1	11

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109	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> , 2017, 58, 1180-1186.	1.0	11
110	X-ray and x-ray electron spectroscopy of new materials. <i>Journal of Structural Chemistry</i> , 2017, 58, 1057-1060.	1.0	4
111	Tabby graphene: Dimensional magnetic crossover in fluorinated graphite. <i>Scientific Reports</i> , 2017, 7, 16544.	3.3	13
112	Functional composition and electrochemical characteristics of oxidized nanosized carbon. <i>Journal of Structural Chemistry</i> , 2017, 58, 1187-1195.	1.0	7
113	Structure of carbon nanoparticles synthesized by adiabatic compression of acetylene and their application in supercapacitors. <i>Journal of Structural Chemistry</i> , 2017, 58, 1196-1204.	1.0	6
114	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> , 2017, 58, 876-884.	1.0	3
115	X-ray spectroscopy study of lithiated graphite obtained by thermal deposition of lithium. <i>Journal of Structural Chemistry</i> , 2017, 58, 1173-1179.	1.0	12
116	Synthesis and modification of carbon nanohorns structure for hyperthermic application. <i>Journal of Structural Chemistry</i> , 2017, 58, 1205-1212.	1.0	9
117	One-step chemical vapor deposition synthesis and supercapacitor performance of nitrogen-doped porous carbon-carbon nanotube hybrids. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2669-2679.	2.8	30
118	Effect of the fluorination technique on the surface-fluorination patterning of double-walled carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1688-1698.	2.8	35
119	Light polarizer in visible and THz range based on single-wall carbon nanotubes embedded into poly(methyl methacrylate) film. <i>Laser Physics Letters</i> , 2016, 13, 065901.	1.4	9
120	Photon correlation spectroscopic and spectrophotometric studies of the formation of cadmium sulfide nanoparticles in ammonia-thiourea solutions. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 1034-1038.	0.6	2
121	RNA-modified carbon nanotube arrays recognizing RNA via electrochemical capacitance response. <i>Materials and Design</i> , 2016, 100, 67-72.	7.0	14
122	Spontaneous symmetry breaking during the switching of a buckled graphene membrane. <i>JETP Letters</i> , 2016, 103, 244-247.	1.4	4
123	Many-body effects in optical response of graphene-based structures. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 270-281.	2.0	18
124	Mechanism of Formation of Cadmium Sulfide Nanoparticles on Polystyrene Supports from Ammonia-Thiourea Solutions. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 827-832.	0.6	4
125	Z-scanning under monochromatic laser pumping: a study of saturatable absorption in a suspension of multiwalled carbon nanotubes. <i>Quantum Electronics</i> , 2016, 46, 719-725.	1.0	6
126	Enhanced supercapacitance of vertically aligned multi-wall carbon nanotube array covered by MoS ₂ nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2451-2456.	1.5	11

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127	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> , 2016, 70, 46-51.	3.9	17
128	Leaky graphene oxide with high quantum yield and dual-wavelength photoluminescence. <i>Carbon</i> , 2016, 108, 461-470.	10.3	21
129	Supercapacitor performance of binder-free buckypapers from multiwall carbon nanotubes synthesized at different temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2406-2412.	1.5	18
130	Thermally exfoliated fluorinated graphite for NO ₂ gas sensing. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2492-2498.	1.5	14
131	Effect of oxidative treatment on the electrochemical properties of aligned multi-walled carbon nanotubes. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 441-448.	0.9	17
132	Magnetic studies of polystyrene/iron-filled multi-wall carbon nanotube composite films. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 415, 51-56.	2.3	4
133	Single Isolated Pd ²⁺ Cations Supported on N-Doped Carbon as Active Sites for Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , 2016, 6, 681-691.	11.2	252
134	Correlation between manufacturing processes and anisotropic magnetic and electromagnetic properties of carbon nanotube/polystyrene composites. <i>Composites Part B: Engineering</i> , 2016, 91, 505-512.	12.0	26
135	Memristive model of hysteretic field emission from carbon nanotube arrays. <i>Journal of Nanophotonics</i> , 2016, 10, 012524.	1.0	11
136	The influence of water-organic solvent composition on the morphology and luminescent properties of CdS nanoparticles obtained by chemical precipitation. <i>Colloid Journal</i> , 2016, 78, 30-36.	1.3	2
137	Fabrication of free-standing aligned multiwalled carbon nanotube array for Li-ion batteries. <i>Journal of Power Sources</i> , 2016, 311, 42-48.	7.8	29
138	Assessing carbon nanotube arrangement in polystyrene matrix by magnetic susceptibility measurements. <i>Carbon</i> , 2016, 96, 1077-1083.	10.3	17
139	Shielding effects in thin films of carbon nanotubes within microwave range. <i>Lithuanian Journal of Physics</i> , 2016, 56, .	0.4	1
140	Field emission properties of aligned CN _x nanotube arrays synthesized by pyrolysis of a ferrocene/acetonitrile aerosol at different temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2524-2529.	1.5	9
141	Efficient one-pot combustion synthesis of few-layered graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2412-2417.	1.5	8
142	Nitrogen species in few-layer graphene produced by thermal exfoliation of fluorinated graphite intercalation compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2444-2450.	1.5	14
143	Graphitic and pyridinic nitrogen in carbon nanotubes: energetic and polarization aspects. <i>Journal of Nanophotonics</i> , 2015, 10, 012510.	1.0	2
144	Polymer-assisted forge-rolling disaggregation of detonation nanodiamonds and onion-like carbon. <i>International Journal of Nanotechnology</i> , 2015, 12, 182.	0.2	8

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145	Edge state magnetism in zigzag-interfaced graphene via spin susceptibility measurements. Scientific Reports, 2015, 5, 13382.	3.3	39
146	Ni-Mo and Co-Mo alloy nanoparticles for catalytic chemical vapor deposition synthesis of carbon nanotubes. Journal of Alloys and Compounds, 2015, 621, 351-356.	5.5	77
147	Phosphate ceramics ~ carbon nanotubes composites: liquid aluminum phosphate vs solid magnesium phosphate binder. Ceramics International, 2015, 41, 12147-12152.	4.8	28
148	Revealing distortion of carbon nanotube walls via angle-resolved X-ray spectroscopy. Current Applied Physics, 2015, 15, 1111-1116.	2.4	3
149	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. Physical Chemistry Chemical Physics, 2015, 17, 23741-23747.	2.8	61
150	Pd Clusters Supported on Amorphous, Low-Porosity Carbon Spheres for Hydrogen Production from Formic Acid. ACS Applied Materials & Interfaces, 2015, 7, 8719-8726.	8.0	41
151	Field emission luminescence of nanodiamonds deposited on the aligned carbon nanotube array. Scientific Reports, 2015, 5, 9379.	3.3	52
152	Sensor properties of electron beam irradiated fluorinated graphite. Journal of Nanophotonics, 2015, 10, 012512.	1.0	10
153	One-step preparation of multiwall carbon nanotube/silicon hybrids for solar energy conversion. Journal of Nanophotonics, 2015, 10, 012507.	1.0	3
154	Role of Defects in Carbon Nanotube Walls in Deposition of CdS Nanoparticles from a Chemical Bath. Journal of Physical Chemistry C, 2015, 119, 25898-25906.	3.1	10
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