

Moseenkov Serg

List of Publications by Year in descending order

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85
papers

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279798

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86
docs citations

86
times ranked

1996
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal stability of modified nanodiamond particles. <i>Diamond and Related Materials</i> , 2009, 18, 620-626.	3.9	221
2	Hydroxylated Detonation Nanodiamond: FTIR, XPS, and NMR Studies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19005-19011.	3.1	143
3	Double layer supercapacitor properties of onion-like carbon materials. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2296-2299.	1.5	100
4	Nanodiamond bioconjugate probes and their collection by electrophoresis. <i>Diamond and Related Materials</i> , 2008, 17, 1858-1866.	3.9	100
5	Raman spectra for characterization of defective CVD multi-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2444-2450.	1.5	81
6	The Thermal Stability of Nanodiamond Surface Groups and Onset of Nanodiamond Graphitization. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006, 14, 557-564.	2.1	70
7	Properties of individual fractions of detonation nanodiamond. <i>Diamond and Related Materials</i> , 2006, 15, 1804-1808.	3.9	67
8	Onion-like carbon for terahertz electromagnetic shielding. <i>Diamond and Related Materials</i> , 2008, 17, 462-466.	3.9	61
9	Attenuation of electromagnetic waves in onion-like carbon composites. <i>Diamond and Related Materials</i> , 2007, 16, 1231-1235.	3.9	55
10	Detonation nanodiamond and onion-like carbon: applications in composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2245-2251.	1.8	52
11	Multi-walled carbon nanotubes with ppm level of impurities. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2695-2699.	1.5	50
12	Terahertz probing of onion-like carbon-PMMA composite films. <i>Diamond and Related Materials</i> , 2008, 17, 1608-1612.	3.9	45
13	High dielectric permittivity of percolative composites based on onion-like carbon. <i>Applied Physics Letters</i> , 2009, 95, 112901.	3.3	44
14	Carbon Onion Composites for EMC Applications. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012, 54, 6-16.	2.2	44
15	Electromagnetic shielding properties of MWCNT/PMMA composites in Ka-band. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2662-2666.	1.5	39
16	Controllable electromagnetic response of onion-like carbon based materials. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2051-2054.	1.5	32
17	Dielectric properties of a novel high absorbing onion-like-carbon based polymer composite. <i>Diamond and Related Materials</i> , 2010, 19, 91-99.	3.9	29
18	Nano-scaled onion-like carbon: Prospective material for microwave coatings. <i>Metamaterials</i> , 2009, 3, 148-156.	2.2	28

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19	Structure of the in situ produced polyethylene based composites modified with multi-walled carbon nanotubes: In situ synchrotron X-ray diffraction and differential scanning calorimetry study. <i>Composites Science and Technology</i> , 2018, 167, 148-154.	7.8	28
20	Co/multi-walled carbon nanotubes/polyethylene composites for microwave absorption: Tuning the effectiveness of electromagnetic shielding by varying the components ratio. <i>Composites Science and Technology</i> , 2021, 207, 108731.	7.8	27
21	An investigation of electromagnetic response of composite polymer materials containing carbon nanostructures within the range of frequencies 10 MHz – 1.1 THz. <i>Russian Physics Journal</i> , 2013, 55, 970-976.	0.4	26
22	Electrophysical and Electromagnetic Properties of Pure MWNTs and MWNT/PMMA Composite Materials Depending on Their Structure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 505-515.	2.1	25
23	Immobilization of recombinant E. coli thermostable lipase by entrapment inside silica xerogel and nanocarbon-in-silica composites. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 98, 78-86.	1.8	23
24	Metal-insulator transition and size dependent electrical percolation in onion-like carbon/polydimethylsiloxane composites. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	23
25	Investigation of electromagnetic properties of MWCNT aerogels produced via catalytic ethylene decomposition. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2519-2523.	1.5	23
26	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2437-2443.	1.5	21
27	Terahertz dielectric properties of multiwalled carbon nanotube/polyethylene composites. <i>Materials Research Express</i> , 2017, 4, 106201.	1.6	21
28	Raman Spectra for Characterization of Onion-Like Carbon. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 106-109.	0.5	19
29	Optical limiting and bleaching effects in a suspension of onion-like carbon. <i>Quantum Electronics</i> , 2009, 39, 342-346.	1.0	18
30	Onion-like carbon based polymer composite films in microwaves. <i>Solid State Sciences</i> , 2009, 11, 1762-1767.	3.2	18
31	Laser modification of optical properties of a carbon nanotube suspension in dimethylformamide. <i>Technical Physics Letters</i> , 2013, 39, 337-340.	0.7	18
32	A model for catalytic synthesis of carbon nanotubes in a fluidized-bed reactor: Effect of reaction heat. <i>Chemical Engineering Journal</i> , 2017, 329, 305-311.	12.7	17
33	Comparative study of reflectance properties of nanodiamonds, onion-like carbon and multiwalled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2572-2576.	1.5	16
34	Structural and electromagnetic properties of Fe ₂ Co-multi-walled carbon nanotubes-polystyrene based composite. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156107.	5.5	16
35	In situ Polymerization Technique for Obtaining Composite Materials Based on Polyethylene, Multi-walled Carbon Nanotubes and Cobalt Nanoparticles. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 127-135.	0.5	15
36	The low-temperature specific heat of MWCNTs. <i>Low Temperature Physics</i> , 2019, 45, 347-354.	0.6	15

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37	Dielectric properties of onion-like carbon based polymer films: Experiment and modeling. <i>Solid State Sciences</i> , 2009, 11, 1828-1832.	3.2	13
38	Electromagnetic Interaction Between Spherical Aerogels of Multi-Walled Carbon Nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700256.	1.5	13
39	Onion-Like Carbon in Microwaves: Electromagnetic Absorption Bands and Percolation Effect. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2009, 4, 257-260.	0.5	13
40	Dielectric properties of onion-like carbon and detonation nanodiamond/polydimethylsiloxane composites. <i>Polymer Composites</i> , 2015, 36, 2084-2092.	4.6	10
41	Low-frequency (10–50 kHz) impedance of polystyrene-onion-like-carbon composites. <i>Technical Physics Letters</i> , 2009, 35, 85-88.	0.7	9
42	Structure and Electrophysical Properties of Multiwalled Carbon Nanotube/Polymethylmethacrylate Composites Prepared via Coagulation Technique. <i>Nanoscience and Nanotechnology Letters</i> , 2011, 3, 18-23.	0.4	9
43	Localization and electrical transport in onion-like carbon based composites. <i>Journal of Applied Physics</i> , 2012, 111, 103701.	2.5	9
44	Recombinant strain producing thermostable lipase from <i>Thermomyces lanuginosus</i> immobilized into nanocarbon-in-silica matrices and properties of the prepared biocatalysts. <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 296-305.	0.9	9
45	Vacuum-tight ceramic composite materials based on alumina modified with multi-walled carbon nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 254, 114508.	3.5	9
46	Calorimetric, NEXAFS and XPS studies of MWCNTs with low defectiveness. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 331-336.	2.1	9
47	Immobilization of enzymatic active substances by immuring inside nanocarbon-in-silica composites. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 76, 116-124.	1.8	8
48	Carbon-in-silica matrices for the preparation of heterogeneous biocatalysts: The synthesis of carbon nanofibers on a Ni/SiO ₂ catalyst and the characterization of the resulting adsorbents for the immobilization of thermostable lipase. <i>Kinetics and Catalysis</i> , 2013, 54, 749-760.	1.0	7
49	Length-dependent broadband electric properties of PMMA composites filled with carbon nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1025-1033.	1.8	7
50	Photoinduced transparency of a suspension of onion-like carbon nanoparticles. <i>Technical Physics Letters</i> , 2009, 35, 162-165.	0.7	6
51	TEMPERATURE DEPENDENCIES OF CONDUCTIVITY OF MULTI-WALLED CARBON NANOTUBES AND ONION-LIKE CARBON IN DIFFERENT GASEOUS MEDIUM. <i>International Journal of Nanoscience</i> , 2009, 08, 19-22.	0.7	6
52	Broadband dielectric properties of onion-like carbon/polyurethane composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2683-2688.	1.8	6
53	Carbon nanotubes and carbon onions for modification of styrene-acrylate copolymer nanocomposites. <i>Polymer Composites</i> , 2015, 36, 1048-1054.	4.6	6
54	Dielectric properties of MWCNT based polymer composites close and below percolation threshold. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2814-2816.	0.8	5

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55	Laser-induced diamagnetism in suspension of onion-like carbon particles. <i>Technical Physics Letters</i> , 2011, 37, 831-834.	0.7	5
56	Terahertz transmission spectra of composite materials based on MWNT with different time of ultrasonic processing. , 2012, , .		5
57	The Usage of Conducting Wire Sphere Models for the Estimation of Electrophysical Properties of Multiwalled Carbon Nanotube Spherical Aerogels. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1800193.	1.5	5
58	Chemical Vapor Deposition of Silicon Nanoparticles on the Surface of Multiwalled Carbon Nanotubes. <i>Journal of Structural Chemistry</i> , 2020, 61, 617-627.	1.0	5
59	Influence of Carbon Nanotube Spatial Distribution on Electromagnetic Properties of Nanotube-Polymer Composites. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700257.	1.5	4
60	Electromagnetic Parameters of Composite Materials Based on Polyethylene and Multi-Walled Carbon Nanotubes Modified by Iron Oxide Nanoparticles. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 1994-2002.	0.5	4
61	Formation of Ziegler-type catalytic systems on the surface of multi-walled carbon nanotubes for the production of composite materials by <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48212.	2.6	4
62	Using Current-Voltage Characteristics to Control the Structure of Contacts in Polyethylene Based Composites Modified by Multiwalled Carbon Nanotubes. <i>Journal of Structural Chemistry</i> , 2020, 61, 628-639.	1.0	4
63	Influence of Humidity on Dielectric Properties of PMMA Nanocomposites Containing Onion-Like Carbon. <i>Ferroelectrics</i> , 2009, 391, 131-138.	0.6	3
64	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 527-530.	2.1	3
65	Characterization of aluminum-carbon composites obtained via mechanical activation of aluminum and carbon nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 162-165.	0.6	3
66	Current-conducting properties of paper consisting of multiwall carbon nanotubes. <i>Journal of Experimental and Theoretical Physics</i> , 2013, 116, 860-865.	0.9	3
67	Modification of the surface of carbon fibers with multi-walled carbon nanotubes and its effect on mechanical characteristics of composites with epoxy resin. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 1969-1977.	0.5	3
68	Effect of ultrasonic treatment on the properties of multiwalled carbon nanotubes - polymethylmethacrylate composites: Effect of applied voltage and pressure on conductivity of the composites. <i>EXPRESS Polymer Letters</i> , 2019, 13, 1057-1070.	2.1	3
69	Electrophysical Properties of Composites Based on Polyethylene Modified with Multi-Walled Carbon Nanotubes with High Content of Fe-Co-Catalyst. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 586-594.	0.5	3
70	Dielectric Response of Onion-Like Carbon-Based Polymethyl Methacrylate Composites. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2009, 4, 261-266.	0.5	3
71	EPR Spectra of Nitrogen in Ultra-Dispersed Diamonds. <i>Applied Magnetic Resonance</i> , 2010, 39, 295-302.	1.2	2
72	Change in sizes of carbon aggregates and primary particles of the onion-like carbon synthesized by high-temperature annealing of nanodiamond. <i>Russian Chemical Bulletin</i> , 2014, 63, 599-604.	1.5	2

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73	Interaction of Multiwalled Carbon Nanotube Aerogels with Quasi-Optical Terahertz Beams. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900251.	1.5	2
74	The morphology evolution of polyethylene produced in the presence of a Ziegler-type catalyst anchored on the surface of multi-walled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50528.	2.6	2
75	Complex permittivity of polymer composites containing carbon nanostructures in frequency range 0.17 ÷1.1 THz. , 2012, , .		1
76	Electrophysical Properties of Onion-Like Carbon. <i>Russian Physics Journal</i> , 2016, 59, 171-176.	0.4	1
77	The electromagnetic characteristics of the composites based on hexaferrites and MCNT at gigahertz and terahertz frequency bands. , 2017, , .		1
78	Onset of Electrical Percolation in Onion-Like Carbon/Poly(methyl methacrylate) Composites. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 1201-1206.	0.4	1
79	A composite material with controllable electromagnetic characteristics for the terahertz frequency range. <i>Journal of Applied Physics</i> , 2022, 131, 064103.	2.5	1
80	Electromagnetic response of polymer composites with quasi-spherical nanocarbon inclusions: theory below the percolation threshold. <i>Journal of Polymer Engineering</i> , 2011, 31, .	1.4	0
81	Electromagnetic properties of MWCNT/PE composites at different levels of THz peak power. , 2013, , .		0
82	Research of Electromagnetic Properties of Composite Materials on the Basis of MWNTs in Microwave Range. <i>Advanced Materials Research</i> , 2014, 1040, 142-147.	0.3	0
83	Carbon nanotubes and carbon onions for modification of styrene-acrylate copolymer based nanocomposites. , 2014, , .		0
84	Terahertz dielectric properties of MWCNT/PE composites. , 2016, , .		0
85	Multi-walled carbon nanotube aerogels in quasi-optical terahertz beams. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0