

Ekaterina A Obraztsova

List of Publications by Year in descending order

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28
papers

782
citations

759233

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28
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citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral-Selective Growth of Single-Walled Carbon Nanotubes on Lattice-Mismatched Epitaxial Cobalt Nanoparticles. <i>Scientific Reports</i> , 2013, 3, 1460.	3.3	175
2	Comparison of structural changes in nitrogen and boron-doped multi-walled carbon nanotubes. <i>Carbon</i> , 2010, 48, 3033-3041.	10.3	111
3	Fabrication, characterization, and mechanical properties of spark plasma sintered Al ³⁺ /BN nanoparticle composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 642, 104-112.	5.6	81
4	Raman scattering characterization of CVD graphite films. <i>Carbon</i> , 2008, 46, 963-968.	10.3	72
5	Statistical analysis of atomic force microscopy and Raman spectroscopy data for estimation of graphene layer numbers. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2055-2059.	1.5	51
6	Optical properties of single-walled carbon nanotubes filled with CuCl by gas-phase technique. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2466-2470.	1.5	36
7	Morphologically Different Pectobacterium brasiliense Bacteriophages PP99 and PP101: Deacetylation of O-Polysaccharide by the Tail Spike Protein of Phage PP99 Accompanies the Infection. <i>Frontiers in Microbiology</i> , 2019, 10, 3147.	3.5	33
8	Optical spectroscopy of iodine-doped single-wall carbon nanotubes of different diameter. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2454-2459.	1.5	27
9	Modification of graphene electronic properties via controllable gas-phase doping with copper chloride. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	23
10	Photoluminescent properties of single crystal diamond microneedles. <i>Optical Materials</i> , 2018, 75, 49-55.	3.6	22
11	Liquid-phase exfoliation of flaky graphite. <i>Journal of Nanophotonics</i> , 2016, 10, 012525.	1.0	19
12	Polyelectrolyte thromboresistant affinity coatings for modification of devices contacting blood. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 589-598.	4.0	14
13	Photo- and cathodo-luminescence of needle-like single crystal diamonds. <i>Journal of Luminescence</i> , 2016, 179, 539-544.	3.1	13
14	Microwave method for synthesis of micro- and nanostructures with controllable composition during gyrotron discharge. <i>Journal of Nanophotonics</i> , 2016, 10, 012520.	1.0	13
15	Structural peculiarities of single crystal diamond needles of nanometer thickness. <i>Nanotechnology</i> , 2016, 27, 455707.	2.6	12
16	Autographivirinae Bacteriophage Arno 160 Infects Pectobacterium carotovorum via Depolymerization of the Bacterial O-Polysaccharide. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3170.	4.1	12
17	Single-crystal diamond pyramids: synthesis and application for atomic force microscopy. <i>Journal of Nanophotonics</i> , 2015, 10, 012517.	1.0	11
18	Absorption spectroscopy of powdered materials using time-resolved diffuse optical methods. <i>Applied Optics</i> , 2012, 51, 7858.	1.8	9

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19	Carbon Nanospikes: Synthesis, characterization and application for high resolution AFM. Ultramicroscopy, 2019, 197, 11-15.	1.9	9
20	Electrochemical characterization of mesoporous nanographite films. Carbon, 2016, 105, 96-102.	10.3	8
21	Effect of environment on ultrafast photoexcitation kinetics in single-wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2831-2834.	1.5	7
22	In vitro properties of hordeivirus TGB1 protein forming ribonucleoprotein complexes. Journal of General Virology, 2015, 96, 3422-3431.	2.9	7
23	Vapor-phase epitaxial re-growth of large diameter single-walled carbon nanotubes. Applied Physics Letters, 2021, 118, .	3.3	5
24	Atomic layer deposition of TiO_2 and Al_2O_3 on nanographite films: structure and field emission properties. Journal of Nanophotonics, 2015, 10, 012509.	1.0	3
25	Tunable Doping and Characterization of Single-Wall Carbon Nanotube Macrosystems for Electrode Material Applications. ACS Applied Nano Materials, 2021, 4, 3220-3231.	5.0	3
26	CVD nanographite films covered by ALD metal oxides: structural and field emission properties. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1022-1027.	0.8	2
27	Production and potential applications of needle-like diamonds. Materials Today: Proceedings, 2018, 5, 26146-26152.	1.8	2
28	Optical Features of Vapor-Phase Epitaxial Re-Grown Long Semiconducting Single-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2019, 256, 1800602.	1.5	2