

# Ilya N Mazov

## List of Publications by Year in descending order

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36  
papers

1,054  
citations

394421

19  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation behavior of multiwall carbon nanotubes with different diameters and morphology. <i>Applied Surface Science</i> , 2012, 258, 6272-6280.	6.1	124
2	Thermal conductivity of polypropylene composites filled with silane-modified hexagonal BN. <i>Composites Science and Technology</i> , 2015, 111, 40-43.	7.8	120
3	Thermal conductivity of polypropylene-based composites with multiwall carbon nanotubes with different diameter and morphology. <i>Journal of Alloys and Compounds</i> , 2014, 586, S440-S442.	5.5	73
4	Improvement of carbon black based polymer composite electrical conductivity with additions of MWCNT. <i>Composites Science and Technology</i> , 2016, 129, 79-85.	7.8	72
5	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
6	Properties of individual fractions of detonation nanodiamond. <i>Diamond and Related Materials</i> , 2006, 15, 1804-1808.	3.9	67
7	Attenuation of electromagnetic waves in onion-like carbon composites. <i>Diamond and Related Materials</i> , 2007, 16, 1231-1235.	3.9	55
8	Thermal conductivity of polypropylene filled with inorganic particles. <i>Journal of Alloys and Compounds</i> , 2014, 586, S451-S454.	5.5	47
9	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
10	Anisotropic thermal conductivity of polypropylene composites filled with carbon fibers and multiwall carbon nanotubes. <i>Polymer Composites</i> , 2015, 36, 1951-1957.	4.6	37
11	Multi-walled carbon nanotubes/PMMA composites for THz applications. <i>Diamond and Related Materials</i> , 2012, 25, 13-18.	3.9	31
12	Nano-scaled onion-like carbon: Prospective material for microwave coatings. <i>Metamaterials</i> , 2009, 3, 148-156.	2.2	28
13	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
14	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
15	Structural and Physical Properties of MWNT/Polyolefine Composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 510-518.	2.1	25
16	Structure and Properties of Multiwall Carbon Nanotubes/Polystyrene Composites Prepared via Coagulation Precipitation Technique. <i>Journal of Nanotechnology</i> , 2011, 2011, 1-7.	3.4	23
17	Mechanical and electrical properties of ethylene-1-octene and polypropylene composites filled with carbon nanotubes. <i>Composites Science and Technology</i> , 2017, 147, 71-77.	7.8	23
18	Direct Vapor-Phase Bromination of Multiwall Carbon Nanotubes. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-5.	3.4	22

#	ARTICLE	IF	CITATIONS
19	Electrophysical properties of multiwalled carbon nanotubes with various diameters. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2641-2644.	1.5	21
20	Influence of carbon-nanotube diameters on composite dielectric properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2491-2498.	1.8	19
21	Mechanical properties of (surface-modified potassium polytitanate small additives)/epoxy composite materials. <i>Polymer Engineering and Science</i> , 2014, 54, 2866-2871.	3.1	19
22	Influence of surface layer conditions of multiwall carbon nanotubes on their electrophysical properties. <i>Diamond and Related Materials</i> , 2010, 19, 964-967.	3.9	17
23	Thermodynamic analysis of nucleation of boron nitride nanotubes on metal particles. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4165-4169.	1.5	10
24	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
25	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
26	Dielectric Properties of Polymer Composites with Carbon Nanotubes of Different Diameters. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5430-5434.	0.9	8
27	Common Features of the Formation Mechanism of Carbon Filaments, Nanotubes, and Silicon Carbide Whiskers on Metal Catalysts. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 13, 121-129.	2.1	7
28	Electrocorrosion properties of multiwall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2738-2742.	1.5	7
29	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
30	Terahertz transmission spectra of composite materials based on MWNT with different time of ultrasonic processing. , 2012, , .		5
31	Development of a fibrous potassium polytitanate. <i>Theoretical Foundations of Chemical Engineering</i> , 2015, 49, 485-489.	0.7	5
32	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 527-530.	2.1	3
33	Metallurgical Slag-Based Concrete Materials Produced by Vortex Electromagnetic Activation. <i>Key Engineering Materials</i> , 0, 683, 221-226.	0.4	2
34	Complex permittivity of polymer composites containing carbon nanostructures in frequency range 0.17 &#x00F7;1.1 THz. , 2012, , .		1
35	Properties of MWNT-Containing Polymer Composite Materials Depending on Their Structure. , 0, , .		1
36	Carbon Nanotubes' and Silicon Carbide Whiskers' Growth on Metal Catalysts: Common Features of Formation Mechanisms. <i>Materials Research Society Symposia Proceedings</i> , 2004, 858, 186.	0.1	0