

Alesia G Paddubskaya

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.

74
papers

1,353
citations

22
h-index

34
g-index

95
ext. papers

1,570
ext. citations

2.8
avg, IF

4.1
L-index

#	Paper	IF	Citations
74	Advantages of optical modulation in terahertz imaging for study of graphene layers. <i>Journal of Applied Physics</i> , 2022 , 131, 033101	2.5	0
73	Sensitive Detection of Industrial Pollutants Using Modified Electrochemical Platforms. <i>Nanomaterials</i> , 2022 , 12, 1779	5.4	0
72	All-graphene perfect broadband THz absorber. <i>Carbon</i> , 2021 , 185, 709-716	10.4	4
71	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. <i>Carbon</i> , 2021 , 171, 484-492	10.4	10
70	Outstanding Radiation Tolerance of Supported Graphene: Towards 2D Sensors for the Space Millimeter Radioastronomy. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
69	Electrical, Transport, and Optical Properties of Multifunctional Graphitic Films Synthesized on Dielectric Surfaces by Nickel Nanolayer-Assisted Pyrolysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6226-6233	9.5	1
68	Recognition of Spatial Distribution of CNT and Graphene in Hybrid Structure by Mapping with Coherent Anti-Stokes Raman Microscopy. <i>Nanoscale Research Letters</i> , 2020 , 15, 37	5	3
67	Tunable Perfect THz Absorber Based on a Stretchable Ultrathin Carbon-Polymer Bilayer. <i>Materials</i> , 2019 , 12,	3.5	15
66	Electromagnetics of carbon: Nano versus micro 2019 , 191-204		0
65	Stretching and Tunability of Graphene-Based Passive Terahertz Components. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800683	1.3	4
64	Exploring thermal annealing and graphene-carbon nanotube additives to enhance crystallinity, thermal, electrical and tensile properties of aged poly(lactic) acid-based filament for 3D printing. <i>Composites Science and Technology</i> , 2019 , 181, 107712	8.6	38
63	Terahertz absorption in graphite nanoplatelets/polylactic acid composites. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 145307	3	27
62	Coherent anti-Stokes Raman scattering as an effective tool for visualization of single-wall carbon nanotubes. <i>Optics Express</i> , 2018 , 26, 10527-10534	3.3	3
61	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700226	1.3	5
60	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. <i>Materials</i> , 2018 , 11,	3.5	23
59	Electrical Permittivity and Conductivity of a Graphene Nanoplatelet Contact in the Microwave Range. <i>Materials</i> , 2018 , 11,	3.5	15
58	Structural Modification of Graphene on Copper Substrates Irradiated by Nanosecond High-Intensity Ion Beams. <i>Russian Physics Journal</i> , 2018 , 61, 1443-1449	0.7	

57	Short-length carbon nanotubes as building blocks for high dielectric constant materials in the terahertz range. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 08LT01	3	13
56	Mechanical and electromagnetic properties of 3D printed hot pressed nanocarbon/poly(lactic) acid thin films. <i>Journal of Applied Physics</i> , 2017 , 121, 064105	2.5	15
55	Main principles of passive devices based on graphene and carbon films in microwaveTHz frequency range. <i>Journal of Nanophotonics</i> , 2017 , 11, 032504	1.1	40
54	Electrical Properties of Carbon Foam in the Microwave Range. <i>Russian Physics Journal</i> , 2017 , 59, 1703-1709	0.9	8
53	Effect of graphene grains size on the microwave electromagnetic shielding effectiveness of graphene/polymer multilayers. <i>Journal of Nanophotonics</i> , 2017 , 11, 032511	1.1	3
52	Carbon films as perfect electromagnetic wave absorbers and anti-reflectors. <i>Micro and Nano Letters</i> , 2017 , 12, 312-314	0.9	2
51	Analysis of Mechanical and Thermogravimetric Properties of Composite Materials Based on PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT. <i>Russian Physics Journal</i> , 2017 , 60, 717-722	0.7	2
50	Observation of the microwave near-field enhancement effect in suspensions comprising single-walled carbon nanotubes. <i>Materials Research Express</i> , 2017 , 4, 075033	1.7	9
49	Electroactive Polymer Based Conducting, Magnetic, and Luminescent Triple Composites. <i>Advances in Science and Technology</i> , 2016 , 97, 24-29	0.1	3
48	Copper nanoparticles decorated graphene nanoplatelets and composites with PEDOT:PSS. <i>Synthetic Metals</i> , 2016 , 222, 192-197	3.6	9
47	Comparative Analysis of Electromagnetic Response of PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT Composites. <i>Russian Physics Journal</i> , 2016 , 59, 278-283	0.7	2
46	Mechanical properties investigation of bilayer graphene/poly(methyl methacrylate) thin films at macro, micro and nanoscale. <i>Carbon</i> , 2016 , 100, 355-366	10.4	18
45	Shielding effects in thin films of carbon nanotubes within microwave range. <i>Lithuanian Journal of Physics</i> , 2016 , 56,	1.1	1
44	Enhanced microwave-to-terahertz absorption in graphene. <i>Applied Physics Letters</i> , 2016 , 108, 123101	3.4	75
43	Temperature induced modification of the mid-infrared response of single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2016 , 119, 104303	2.5	5
42	Electromagnetic and thermal properties of three-dimensional printed multilayered nano-carbon/poly(lactic) acid structures. <i>Journal of Applied Physics</i> , 2016 , 119, 135102	2.5	36
41	Microwave Absorption in Graphene Films: Theory and Experiment. <i>Journal of Applied Spectroscopy</i> , 2016 , 83, 650-655	0.7	
40	Nanodiamond targets for accelerator X-ray experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 355, 261-263	1.2	1

39	Microwave Dielectric Properties of Tannin-Based Carbon Foams. <i>Ferroelectrics</i> , 2015 , 479, 119-126	0.6	13
38	Broadband Dielectric Spectroscopy of Composites Filled With Various Carbon Materials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 2024-2031	4.1	14
37	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. <i>Physica Scripta</i> , 2015 , 90, 094019	2.6	19
36	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 989-995	2	22
35	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. <i>AIP Advances</i> , 2015 , 5, 067137	1.5	15
34	Effects of sonochemical modification of carbon nanotubes on electrical and electromagnetic shielding properties of epoxy composites. <i>Composites Science and Technology</i> , 2015 , 106, 85-92	8.6	57
33	Carbon nanotubes and carbon onions for modification of styreneacrylate copolymer nanocomposites. <i>Polymer Composites</i> , 2015 , 36, 1048-1054	3	5
32	Flexible transparent graphene/polymer multilayers for efficient electromagnetic field absorption. <i>Scientific Reports</i> , 2014 , 4, 7191	4.9	102
31	Dielectric properties of graphite-based epoxy composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1623-1633	1.6	28
30	Electromagnetic Properties of Graphene-like Films in Ka-Band. <i>Applied Sciences (Switzerland)</i> , 2014 , 4, 255-264	2.6	8
29	Dielectric properties of polymer composites with carbon nanotubes of different diameters. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 5430-4	1.3	8
28	Electrical Transport and Magnetoresistance in Single-Wall Carbon Nanotubes Films. <i>Medziagotyra</i> , 2014 , 20,	0.4	3
27	Electrical transport in carbon black-epoxy resin composites at different temperatures. <i>Journal of Applied Physics</i> , 2013 , 114, 033707	2.5	23
26	Role of finite-size effects in the microwave and subterahertz electromagnetic response of a multiwall carbon-nanotube-based composite: Theory and interpretation of experiments. <i>Physical Review B</i> , 2013 , 88,	3.3	47
25	Influence of carbon-nanotube diameters on composite dielectric properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2491-2498	1.6	17
24	Microwave absorption properties of pyrolytic carbon nanofilm. <i>Nanoscale Research Letters</i> , 2013 , 8, 60	5	21
23	A study of random resistor-capacitor-diode networks to assess the electromagnetic properties of carbon nanotube filled polymers. <i>Applied Physics Letters</i> , 2013 , 103, 243104	3.4	18
22	Epoxy composites filled with high surface area-carbon fillers: Optimization of electromagnetic shielding, electrical, mechanical, and thermal properties. <i>Journal of Applied Physics</i> , 2013 , 114, 164304	2.5	58

21	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. <i>Applied Physics Letters</i> , 2013 , 103, 073117	3.4	35
20	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. <i>Journal of Nanophotonics</i> , 2013 , 7, 073593	1.1	24
19	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. <i>Journal of Nanophotonics</i> , 2013 , 7, 073595	1.1	1
18	Electrical conductivity of single-wall carbon nanotube films in strong electric field. <i>Journal of Applied Physics</i> , 2013 , 113, 183719	2.5	0
17	Epoxy resin/carbon black composites below the percolation threshold. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 5434-9	1.3	11
16	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012 , 54, 6-16	2	39
15	Soft cutting of single-wall carbon nanotubes by low temperature ultrasonication in a mixture of sulfuric and nitric acids. <i>Nanotechnology</i> , 2012 , 23, 495714	3.4	37
14	Terahertz time domain spectroscopy of epoxy resin composite with various carbon inclusions. <i>Chemical Physics</i> , 2012 , 404, 129-135	2.3	18
13	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 527-530	1.8	3
12	Nanocarbon Modified Epoxy Resin and Microwaves. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 496-501	1.8	3
11	Multi-walled carbon nanotubes/PMMA composites for THz applications. <i>Diamond and Related Materials</i> , 2012 , 25, 13-18	3.5	21
10	Highly porous conducting carbon foams for electromagnetic applications 2012 ,		4
9	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. <i>Journal of Nanophotonics</i> , 2012 , 6, 061715	1.1	53
8	Effects of inclusion dimensions and p-type doping in the terahertz spectra of composite materials containing bundles of single-wall carbon nanotubes. <i>Journal of Nanophotonics</i> , 2012 , 6, 061707	1.1	11
7	Experimental evidence of localized plasmon resonance in composite materials containing single-wall carbon nanotubes. <i>Physical Review B</i> , 2012 , 85,	3.3	86
6	Epoxy Resin/SWCNT Shielding Paint for Super-High-Frequency Range. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012 , 7, 81-86	1.3	9
5	Anisotropy of the electromagnetic properties of polymer composites based on multiwall carbon nanotubes in the gigahertz frequency range. <i>JETP Letters</i> , 2011 , 93, 607-611	1.2	23
4	Microwave probing of nanocarbon based epoxy resin composite films: Toward electromagnetic shielding. <i>Thin Solid Films</i> , 2011 , 519, 4114-4118	2.2	68

3	CNT Based Epoxy Resin Composites for Conductive Applications. <i>Nanoscience and Nanotechnology Letters</i> , 2011 , 3, 889-894	0.8	11
2	Dielectric properties of a novel high absorbing onion-like-carbon based polymer composite. <i>Diamond and Related Materials</i> , 2010 , 19, 91-99	3.5	23
1	Conductive Luminescent Material Based on Polymer-Functionalized Graphene Composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100492	1.6	