Alesia G Paddubskaya

List of Publications by Citations

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Version: 2024-04-28

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	Flexible transparent graphene/polymer multilayers for efficient electromagnetic field absorption. *Scientific Reports*, **2014**, 4, 7191	4.9	102
73	Experimental evidence of localized plasmon resonance in composite materials containing single-wall carbon nanotubes. *Physical Review B*, **2012**, 85,	3.3	86
72	Enhanced microwave-to-terahertz absorption in graphene. *Applied Physics Letters*, **2016**, 108, 123101	3.4	75
71	Microwave probing of nanocarbon based epoxy resin composite films: Toward electromagnetic shielding. *Thin Solid Films*, **2011**, 519, 4114-4118	2.2	68
70	Epoxy composites filled with high surface area-carbon fillers: Optimization of electromagnetic shielding, electrical, mechanical, and thermal properties. *Journal of Applied Physics*, **2013**, 114, 164304	2.5	58
69	Effects of sonochemical modification of carbon nanotubes on electrical and electromagnetic shielding properties of epoxy composites. *Composites Science and Technology*, **2015**, 106, 85-92	8.6	57
68	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. *Journal of Nanophotonics*, **2012**, 6, 061715	1.1	53
67	Role of finite-size effects in the microwave and subterahertz electromagnetic response of a multiwall carbon-nanotube-based composite: Theory and interpretation of experiments. *Physical Review B*, **2013**, 88,	3.3	47
66	Main principles of passive devices based on graphene and carbon films in microwaveTHz frequency range. *Journal of Nanophotonics*, **2017**, 11, 032504	1.1	40
65	. *IEEE Transactions on Electromagnetic Compatibility*, **2012**, 54, 6-16	2	39
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. *Composites Science and Technology*, **2019**, 181, 107712	8.6	38
63	Soft cutting of single-wall carbon nanotubes by low temperature ultrasonication in a mixture of sulfuric and nitric acids. *Nanotechnology*, **2012**, 23, 495714	3.4	37
62	Electromagnetic and thermal properties of three-dimensional printed multilayered nano-carbon/poly(lactic) acid structures. *Journal of Applied Physics*, **2016**, 119, 135102	2.5	36
61	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. *Applied Physics Letters*, **2013**, 103, 073117	3.4	35
60	Dielectric properties of graphite-based epoxy composites. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 1623-1633	1.6	28
59	Terahertz absorption in graphite nanoplatelets/polylactic acid composites. *Journal Physics D: Applied Physics*, **2018**, 51, 145307	3	27
58	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. *Journal of Nanophotonics*, **2013**, 7, 073593	1.1	24

57	Electrical transport in carbon black-epoxy resin composites at different temperatures. *Journal of Applied Physics*, **2013**, 114, 033707	2.5	23
56	Anisotropy of the electromagnetic properties of polymer composites based on multiwall carbon nanotubes in the gigahertz frequency range. *JETP Letters*, **2011**, 93, 607-611	1.2	23
55	Dielectric properties of a novel high absorbing onion-like-carbon based polymer composite. *Diamond and Related Materials*, **2010**, 19, 91-99	3.5	23
54	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. *Materials*, **2018**, 11,	3.5	23
53	. *IEEE Transactions on Electromagnetic Compatibility*, **2015**, 57, 989-995	2	22
52	Microwave absorption properties of pyrolytic carbon nanofilm. *Nanoscale Research Letters*, **2013**, 8, 60	5	21
51	Multi-walled carbon nanotubes/PMMA composites for THz applications. *Diamond and Related Materials*, **2012**, 25, 13-18	3.5	21
50	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. *Physica Scripta*, **2015**, 90, 094019	2.6	19
49	Mechanical properties investigation of bilayer graphene/poly(methyl methacrylate) thin films at macro, micro and nanoscale. *Carbon*, **2016**, 100, 355-366	10.4	18
48	A study of random resistor-capacitor-diode networks to assess the electromagnetic properties of carbon nanotube filled polymers. *Applied Physics Letters*, **2013**, 103, 243104	3.4	18
47	Terahertz time domain spectroscopy of epoxy resin composite with various carbon inclusions. *Chemical Physics*, **2012**, 404, 129-135	2.3	18
46	Influence of carbon-nanotube diameters on composite dielectric properties. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 2491-2498	1.6	17
45	Mechanical and electromagnetic properties of 3D printed hot pressed nanocarbon/poly(lactic) acid thin films. *Journal of Applied Physics*, **2017**, 121, 064105	2.5	15
44	Tunable Perfect THz Absorber Based on a Stretchable Ultrathin Carbon-Polymer Bilayer. *Materials*, **2019**, 12,	3.5	15
43	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. *AIP Advances* , **2015**, 5, 067137	1.5	15
42	Electrical Permittivity and Conductivity of a Graphene Nanoplatelet Contact in the Microwave Range. *Materials*, **2018**, 11,	3.5	15
41	Broadband Dielectric Spectroscopy of Composites Filled With Various Carbon Materials. *IEEE Transactions on Microwave Theory and Techniques*, **2015**, 63, 2024-2031	4.1	14
40	Short-length carbon nanotubes as building blocks for high dielectric constant materials in the terahertz range. *Journal Physics D: Applied Physics*, **2017**, 50, 08LT01	3	13

39	Microwave Dielectric Properties of Tannin-Based Carbon Foams. *Ferroelectrics*, **2015**, 479, 119-126	0.6	13
38	Effects of inclusion dimensions and p-type doping in the terahertz spectra of composite materials containing bundles of single-wall carbon nanotubes. *Journal of Nanophotonics*, **2012**, 6, 061707	1.1	11
37	Epoxy resin/carbon black composites below the percolation threshold. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 5434-9	1.3	11
36	CNT Based Epoxy Resin Composites for Conductive Applications. *Nanoscience and Nanotechnology Letters*, **2011**, 3, 889-894	0.8	11
35	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. *Carbon*, **2021**, 171, 484-492	10.4	10
34	Copper nanoparticles decorated graphene nanoplatelets and composites with PEDOT:PSS. *Synthetic Metals*, **2016**, 222, 192-197	3.6	9
33	Observation of the microwave near-field enhancement effect in suspensions comprising single-walled carbon nanotubes. *Materials Research Express*, **2017**, 4, 075033	1.7	9
32	Epoxy Resin/SWCNT Shielding Paint for Super-High-Frequency Range. *Journal of Nanoelectronics and Optoelectronics*, **2012**, 7, 81-86	1.3	9
31	Electrical Properties of Carbon Foam in the Microwave Range. *Russian Physics Journal*, **2017**, 59, 1703-1709	0.7	8
30	Electromagnetic Properties of Graphene-like Films in Ka-Band. *Applied Sciences (Switzerland)*, **2014**, 4, 255-264	2.6	8
29	Dielectric properties of polymer composites with carbon nanotubes of different diameters. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 5430-4	1.3	8
28	Carbon nanotubes and carbon onions for modification of styrene-acrylate copolymer nanocomposites. *Polymer Composites*, **2015**, 36, 1048-1054	3	5
27	Temperature induced modification of the mid-infrared response of single-walled carbon nanotubes. *Journal of Applied Physics*, **2016**, 119, 104303	2.5	5
26	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1700226	1.3	5
25	Stretching and Tunability of Graphene-Based Passive Terahertz Components. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1800683	1.3	4
24	Highly porous conducting carbon foams for electromagnetic applications **2012**,		4
23	All-graphene perfect broadband THz absorber. *Carbon*, **2021**, 185, 709-716	10.4	4
22	Effect of graphene grains size on the microwave electromagnetic shielding effectiveness of graphene/polymer multilayers. *Journal of Nanophotonics*, **2017**, 11, 032511	1.1	3

21	Electroactive Polymer Based Conducting, Magnetic, and Luminescent Triple Composites. *Advances in Science and Technology*, **2016**, 97, 24-29	0.1	3
20	Coherent anti-Stokes Raman scattering as an effective tool for visualization of single-wall carbon nanotubes. *Optics Express*, **2018**, 26, 10527-10534	3.3	3
19	Electrical Transport and Magnetoresistance in Single-Wall Carbon Nanotubes Films. *Medziagotyra*, **2014**, 20,	0.4	3
18	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 527-530	1.8	3
17	Nanocarbon Modified Epoxy Resin and Microwaves. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 496-501	1.8	3
16	Recognition of Spatial Distribution of CNT and Graphene in Hybrid Structure by Mapping with Coherent Anti-Stokes Raman Microscopy. *Nanoscale Research Letters*, **2020**, 15, 37	5	3
15	Carbon films as perfect electromagnetic wave absorbers and anti-reflectors. *Micro and Nano Letters* , **2017**, 12, 312-314	0.9	2
14	Comparative Analysis of Electromagnetic Response of PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT Composites. *Russian Physics Journal*, **2016**, 59, 278-283	0.7	2
13	Analysis of Mechanical and Thermogravimetric Properties of Composite Materials Based on PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT. *Russian Physics Journal*, **2017**, 60, 717-722	0.7	2
12	Outstanding Radiation Tolerance of Supported Graphene: Towards 2D Sensors for the Space Millimeter Radioastronomy. *Nanomaterials*, **2021**, 11,	5.4	2
11	Nanodiamond targets for accelerator X-ray experiments. *Nuclear Instruments & Methods in Physics Research B*, **2015**, 355, 261-263	1.2	1
10	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. *Journal of Nanophotonics*, **2013**, 7, 073595	1.1	1
9	Shielding effects in thin films of carbon nanotubes within microwave range. *Lithuanian Journal of Physics*, **2016**, 56,	1.1	1
8	Electrical, Transport, and Optical Properties of Multifunctional Graphitic Films Synthesized on Dielectric Surfaces by Nickel Nanolayer-Assisted Pyrolysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 6226-6233	9.5	1
7	Electromagnetics of carbon: Nano versus micro **2019**, 191-204		0
6	Electrical conductivity of single-wall carbon nanotube films in strong electric field. *Journal of Applied Physics*, **2013**, 113, 183719	2.5	0
5	Advantages of optical modulation in terahertz imaging for study of graphene layers. *Journal of Applied Physics*, **2022**, 131, 033101	2.5	0
4	Sensitive Detection of Industrial Pollutants Using Modified Electrochemical Platforms. *Nanomaterials*, **2022**, 12, 1779	5.4	0

3	Conductive Luminescent Material Based on Polymer-Functionalized Graphene Composite. *Physica Status Solidi (A) Applications and Materials Science*,2100492	1.6
2	Microwave Absorption in Graphene Films: Theory and Experiment. *Journal of Applied Spectroscopy*, **2016**, 83, 650-655	0.7
1	Structural Modification of Graphene on Copper Substrates Irradiated by Nanosecond High-Intensity Ion Beams. *Russian Physics Journal*, **2018**, 61, 1443-1449	0.7