

P P Kuzhir

List of Publications by Year in descending order

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329
papers

11,793
citations

39113

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332
all docs

332
docs citations

332
times ranked

11184
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturable absorption and nonlinear refraction in free-standing carbon nanotube film: Theory and experiment. <i>Carbon</i> , 2022, 186, 509-519.	5.4	2
2	Visualizing hypochlorous acid production by human neutrophils with fluorescent graphene quantum dots. <i>Nanotechnology</i> , 2022, 33, 095101.	1.3	5
3	Electrical impedance sensing of organic pollutants with ultrathin graphitic membranes. <i>Nanotechnology</i> , 2022, 33, 075207.	1.3	3
4	Advantages of optical modulation in terahertz imaging for study of graphene layers. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	1
5	Window tinting films for microwave absorption and terahertz applications. <i>Journal of Applied Physics</i> , 2022, 131, 025110.	1.1	0
6	The Performance of Graphene-Enhanced THz Grating: Impact of the Gold Layer Imperfectness. <i>Materials</i> , 2022, 15, 786.	1.3	4
7	Random Graphene Metasurfaces: Diffraction Theory and Giant Broadband Absorptivity. <i>Physical Review Applied</i> , 2022, 17, .	1.5	3
8	Quantitative and qualitative analysis of pulmonary arterial hypertension fibrosis using wide-field second harmonic generation microscopy. <i>Scientific Reports</i> , 2022, 12, 7330.	1.6	2
9	Sensitive Detection of Industrial Pollutants Using Modified Electrochemical Platforms. <i>Nanomaterials</i> , 2022, 12, 1779.	1.9	12
10	All-Optical Thermometry with NV and SiV Color Centers in Biocompatible Diamond Microneedles. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	11
11	Fragmented graphene synthesized on a dielectric substrate for THz applications. <i>Nanotechnology</i> , 2022, 33, 395703.	1.3	2
12	Microwave absorption by carbon-based materials and structures. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	12
13	Hysteresis and Stochastic Fluorescence by Aggregated Ensembles of Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10469-10477.	1.5	3
14	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. <i>Carbon</i> , 2021, 171, 484-492.	5.4	17
15	Aqueous tape casting of the 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ ceramic films: Production optimization and properties. <i>Journal of Electroceramics</i> , 2021, 46, 20-25.	0.8	1
16	Dielectric Relaxation Spectroscopy and Synergy Effects in Epoxy/MWCNT/Ni@C Composites. <i>Nanomaterials</i> , 2021, 11, 555.	1.9	6
17	Scattering of electromagnetic waves by two crossing metallic single-walled carbon nanotubes of finite length. <i>Physical Review B</i> , 2021, 103, .	1.1	9
18	Laser Patterning of Aligned Carbon Nanotubes Arrays: Morphology, Surface Structure, and Interaction with Terahertz Radiation. <i>Materials</i> , 2021, 14, 3275.	1.3	2

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19	Rapid and delayed effects of single-walled carbon nanotubes in glioma cells. <i>Nanotechnology</i> , 2021, 32, 505103.	1.3	2
20	0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ Phosphate Composites: Dielectric and Ferroelectric Properties. <i>Materials</i> , 2021, 14, 5065.	1.3	5
21	Terahertz Absorber with Graphene Enhanced Polymer Hemispheres Array. <i>Nanomaterials</i> , 2021, 11, 2494.	1.9	1
22	Outstanding Radiation Tolerance of Supported Graphene: Towards 2D Sensors for the Space Millimeter Radioastronomy. <i>Nanomaterials</i> , 2021, 11, 170.	1.9	6
23	All-graphene perfect broadband THz absorber. <i>Carbon</i> , 2021, 185, 709-716.	5.4	22
24	The Phosphate-Based Composite Materials Filled with Nano-Sized BaTiO ₃ and Fe ₃ O ₄ : Toward the Unfired Multiferroic Materials. <i>Materials</i> , 2021, 14, 133.	1.3	4
25	Characterization of Individual Hollow Spheres Metaatoms in Microwaves. , 2021, , .		0
26	FEM Approach to the Robust Design of a Graphene-Based 3D Structure for THz Devices. , 2021, , .		2
27	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.	4.0	5
28	Dielectric Properties and Electrical Percolation in MnFe ₂ O ₄ /Epoxy Resin Composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900526.	0.8	5
29	Macro-, Micro- and Nano-Roughness of Carbon-Based Interface with the Living Cells: Towards a Versatile Bio-Sensing Platform. <i>Sensors</i> , 2020, 20, 5028.	2.1	5
30	Electromagnetic and optical responses of a composite material comprising individual single-walled carbon-nanotubes with a polymer coating. <i>Scientific Reports</i> , 2020, 10, 9361.	1.6	3
31	Terahertz Optics of Materials with Spatially Harmonically Distributed Refractive Index. <i>Materials</i> , 2020, 13, 5208.	1.3	3
32	Surface-Enhanced Raman Spectroscopy of Organic Molecules and Living Cells with Gold-Plated Black Silicon. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50971-50984.	4.0	14
33	On the Synergistic Effect of Multi-Walled Carbon Nanotubes and Graphene Nanoplatelets to Enhance the Functional Properties of SLS 3D-Printed Elastomeric Structures. <i>Polymers</i> , 2020, 12, 1841.	2.0	21
34	THz Spectroscopy as a Versatile Tool for Filler Distribution Diagnostics in Polymer Nanocomposites. <i>Polymers</i> , 2020, 12, 3037.	2.0	3
35	Thermal and Electromagnetic Properties of Polymer Holey Structures Produced by Additive Manufacturing. <i>Polymers</i> , 2020, 12, 2892.	2.0	4
36	Essential Nanostructure Parameters to Govern Reinforcement and Functionality of Poly(lactic) Acid Nanocomposites with Graphene and Carbon Nanotubes for 3D Printing Application. <i>Polymers</i> , 2020, 12, 1208.	2.0	12

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37	Polyethylene Composites with Segregated Carbon Nanotubes Network: Low Frequency Plasmons and High Electromagnetic Interference Shielding Efficiency. <i>Materials</i> , 2020, 13, 1118.	1.3	25
38	Dielectric Relaxation in the Hybrid Epoxy/MWCNT/MnFe ₂ O ₄ Composites. <i>Polymers</i> , 2020, 12, 697.	2.0	15
39	Creation of metasurface from vertically aligned carbon nanotubes as versatile platform for ultra-light THz components. <i>Nanotechnology</i> , 2020, 31, 255703.	1.3	9
40	Percolation and Transport Properties in The Mechanically Deformed Composites Filled with Carbon Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1315.	1.3	6
41	Robust design of compact microwave absorbers and waveguide matched loads based on DC-conductive 3D-printable filament. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 305301.	1.3	10
42	Single-walled carbon nanotubes as a photo-thermo-acoustic cancer theranostic agent: theory and proof of the concept experiment. <i>Scientific Reports</i> , 2020, 10, 22174.	1.6	27
43	Synergetic effect of triglycine sulfate and graphite nanoplatelets on dielectric and piezoelectric properties of epoxy resin composites. <i>Polymer Composites</i> , 2019, 40, E1181.	2.3	4
44	Electromagnetics of carbon: Nano versus micro. , 2019, , 191-204.		1
45	Nanocarbon/Poly(Lactic) Acid for 3D Printing: Effect of Fillers Content on Electromagnetic and Thermal Properties. <i>Materials</i> , 2019, 12, 2369.	1.3	42
46	Stretching and Tunability of Graphene-Based Passive Terahertz Components. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800683.	0.7	4
47	Frequency and density dependencies of the electromagnetic parameters of carbon nanotube and graphene nanoplatelet based composites in the microwave and terahertz ranges. <i>Materials Research Express</i> , 2019, 6, 095050.	0.8	6
48	Dielectric Properties of Epoxy Resin Composites Based on Magnetic Nanoparticles. <i>International Journal of Nanoscience</i> , 2019, 18, 1940018.	0.4	2
49	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.	3.8	63
50	Synergy Effects in Electromagnetic Properties of Phosphate Ceramics with Silicon Carbide Whiskers and Carbon Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4388.	1.3	10
51	Demonstration of Ultrafast THz Absorption Modulation in a Graphene-Based Thin Absorber. , 2019, , .		0
52	Alignment of polymer based magnetic composites in magnetic field. <i>Progress in Organic Coatings</i> , 2019, 137, 105366.	1.9	4
53	Tunable Perfect THz Absorber Based on a Stretchable Ultrathin Carbon-Polymer Bilayer. <i>Materials</i> , 2019, 12, 143.	1.3	21
54	Ultra-Light Reduced Graphene Oxide Based Aerogel/Foam Absorber of Microwave Radiation. <i>Materials</i> , 2019, 12, 213.	1.3	8

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55	Broadband Dielectric Properties of Fe ₂ O ₃ ·H ₂ O Nanorods/Epoxy Resin Composites. Journal of Nanomaterials, 2019, 2019, 1-8.	1.5	2
56	Silicon carbide/phosphate ceramics composite for electromagnetic shielding applications: Whiskers vs particles. Applied Physics Letters, 2019, 114, 183105.	1.5	22
57	Electromagnetic properties of chloroprene rubber after long-term ultraviolet ageing, oil immersion and thermal degradation. Materials Research Express, 2019, 6, 075327.	0.8	3
58	Experimental Demonstration of Ultrafast THz Modulation in a Graphene-Based Thin Film Absorber through Negative Photoinduced Conductivity. ACS Photonics, 2019, 6, 720-727.	3.2	128
59	Experimental Observation of Ultrafast THz Absorption Modulation in a Graphene-Based Metasurface. , 2019, , .		1
60	Graphene THz Metasurfaces with Photoinduced Modulation. , 2019, , .		0
61	Carbon nanotube array as a van der Waals two-dimensional hyperbolic material. Physical Review B, 2019, 100, .	1.1	7
62	Electromagnetic Properties of Carbon Gels. Materials, 2019, 12, 4143.	1.3	6
63	Fine Tuning of Electrical Transport and Dielectric Properties of Epoxy/Carbon Nanotubes Composites via Magnesium Oxide Additives. Polymers, 2019, 11, 2044.	2.0	22
64	Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon. Carbon, 2019, 143, 660-668.	5.4	18
65	Terahertz absorption in graphite nanoplatelets/polylactic acid composites. Journal Physics D: Applied Physics, 2018, 51, 145307.	1.3	36
66	Influence of carbon nanotube surface treatment on resistivity and low-frequency noise characteristics of epoxy-based composites. Polymer Composites, 2018, 39, E1224.	2.3	4
67	How effectively do carbon nanotube inclusions contribute to the electromagnetic performance of a composite material? Estimation criteria from microwave and terahertz measurements. Carbon, 2018, 129, 688-694.	5.4	18
68	Effective Carbon Nanotube/Phenol Formaldehyde Resin Based Double-Layer Absorbers of Microwave Radiation: Design and Modeling. Physica Status Solidi (B): Basic Research, 2018, 255, 1700224.	0.7	2
69	Radiation modification and radiation hardness of microwave properties for some polymer nanocomposites under Co-60 gamma irradiation. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 242-245.	0.6	4
70	Influence of nanotube length and density on the plasmonic terahertz response of single-walled carbon nanotubes. Journal Physics D: Applied Physics, 2018, 51, 014003.	1.3	24
71	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. Physica Status Solidi (B): Basic Research, 2018, 255, 1700226.	0.7	7
72	Electrodynamics of graphene heterostructures and electromagnetic applications. , 2018, , .		0

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73	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. <i>Materials</i> , 2018, 11, 2256.	1.3	37
74	Structural Modification of Graphene on Copper Substrates Irradiated by Nanosecond High-Intensity Ion Beams. <i>Russian Physics Journal</i> , 2018, 61, 1443-1449.	0.2	0
75	Sign inversion in the terahertz photoconductivity of single-walled carbon nanotube films. <i>Physical Review B</i> , 2018, 98, .	1.1	10
76	Localized plasmon resonance in boron-doped multiwalled carbon nanotubes. <i>Physical Review B</i> , 2018, 97, .	1.1	7
77	Carbon nanotube sponges as tunable materials for electromagnetic applications. <i>Nanotechnology</i> , 2018, 29, 375202.	1.3	7
78	Structure and Electromagnetic Properties of Cellular Glassy Carbon Monoliths with Controlled Cell Size. <i>Materials</i> , 2018, 11, 709.	1.3	14
79	Evaluation of thermal and electrical conductivity of carbon-based PLA nanocomposites for 3D printing. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	15
80	Carbon-Coated Nickel Nanoparticles: Effect on the Magnetic and Electric Properties of Composite Materials. <i>Coatings</i> , 2018, 8, 165.	1.2	7
81	Numerical Simulation of the Percolation Threshold in Non-Overlapping Ellipsoid Composites: Toward Bottom-Up Approach for Carbon Based Electromagnetic Components Realization. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 882.	1.3	10
82	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.	1.3	14
83	Anomalous electromagnetic coupling via entanglement at the nanoscale. <i>New Journal of Physics</i> , 2017, 19, 023014.	1.2	11
84	Mechanical and electromagnetic properties of 3D printed hot pressed nanocarbon/poly(lactic) acid thin films. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	20
85	Main principles of passive devices based on graphene and carbon films in microwave-THz frequency range. <i>Journal of Nanophotonics</i> , 2017, 11, 032504.	0.4	48
86	Ultra-Thin Pyrocarbon Films as a Versatile Coating Material. <i>Nanoscale Research Letters</i> , 2017, 12, 121.	3.1	15
87	Electrical Properties of Carbon Foam in the Microwave Range. <i>Russian Physics Journal</i> , 2017, 59, 1703-1709.	0.2	9
88	Effect of graphene grains size on the microwave electromagnetic shielding effectiveness of graphene/polymer multilayers. <i>Journal of Nanophotonics</i> , 2017, 11, 032511.	0.4	3
89	Carbon thin films as effective absorbers of microwave radiation: Experiment and EMC applications. , 2017, , .		0
90	Synthesis and dielectric properties of ferroelectric-ferrimagnetic PZT-SFMO composites. <i>Modern Electronic Materials</i> , 2017, 3, 26-31.	0.2	5

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91	Carbon films as perfect electromagnetic wave absorbers and anti-reflectors. Micro and Nano Letters, 2017, 12, 312-314.	0.6	2
92	Fully carbon metasurface: Absorbing coating in microwaves. Journal of Applied Physics, 2017, 121, .	1.1	26
93	Tunable electromagnetic response of free-standing 3D carbon nanotube network in the Ka-band. , 2017, , .		0
94	Grain size effect in conductive phosphate / carbon nanotube ceramics. Ceramics International, 2017, 43, 4965-4969.	2.3	6
95	MICROWAVE-ABSORBING PROPERTIES OF PHOSPHATE CERAMICS FILLED WITH CARBON NANOTUBES, BaTiO ₃ AND Fe ₃ O ₄ . , 2017, , 202-205.		1
96	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.	0.2	2
97	Observation of the microwave near-field enhancement effect in suspensions comprising single-walled carbon nanotubes. Materials Research Express, 2017, 4, 075033.	0.8	9
98	Low frequency noise spectroscopy of multi-walled carbon nanotubes composites. , 2017, , .		0
99	Integral equation technique for scatterers with mesoscopic insertions: Application to a carbon nanotube. Physical Review B, 2017, 96, .	1.1	8
100	Electromagnetic properties of model vitreous carbon foams. Carbon, 2017, 122, 217-227.	5.4	77
101	Ultra-thin graphitic carbon film for high-power electronics applications. Micro and Nano Letters, 2017, 12, 140-142.	0.6	1
102	Comparison of the electrical conductivity of polymer composites in the microwave and terahertz frequency ranges. , 2017, , .		2
103	Modelling the physical properties of glasslike carbon foams. Journal of Physics: Conference Series, 2017, 879, 012014.	0.3	8
104	THz and microwave properties of 3D-printed nanocarbon based multilayers. , 2017, , .		0
105	Carbon based ultralight microwave shields. , 2017, , .		0
106	Bridging between integral equation technique of classical electrodynamics and landauer-buttiker formalism for quantum transport. , 2017, , .		0
107	Electromagnetic properties of carbon foams. , 2017, , .		1
108	DESIGN OF CARBON NANOTUBE-BASED BROADBAND RADAR ABSORBER FOR KA-BAND FREQUENCY RANGE. Progress in Electromagnetics Research M, 2017, 53, 9-16.	0.5	15

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109	EXPLORING CARBON NANOTUBES/BATIO ₃ /FE ₃ O ₄ NANOCOMPOSITES AS MICROWAVE ABSORBERS. <i>Progress in Electromagnetics Research C</i> , 2016, 66, 77-85.	0.6	15
110	Nanoscale reinforcement of polypropylene composites with carbon nanotubes and clay: Dispersion state, electromagnetic and nanomechanical properties. <i>Polymer Engineering and Science</i> , 2016, 56, 269-277.	1.5	17
111	The cluster architecture of carbon in polymer nanocomposites observed by impulse acoustic microscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1952-1959.	0.7	24
112	A robust approach to the design of an electromagnetic shield based on pyrolytic carbon. <i>AIP Advances</i> , 2016, 6, .	0.6	5
113	Microwave radiation absorbers based on corrugated composites with carbon fibers. <i>Technical Physics</i> , 2016, 61, 1880-1884.	0.2	10
114	Enhanced microwave-to-terahertz absorption in graphene. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	99
115	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	43
116	Temperature induced modification of the mid-infrared response of single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	9
117	Quantum entanglement in electric circuits: From anomalous crosstalk to electromagnetic compatibility in nano-electronics. , 2016, , .		0
118	Shielding properties of composite materials based on epoxy resin with graphene nanoplates in the microwave frequency range. <i>Technical Physics Letters</i> , 2016, 42, 1141-1144.	0.2	6
119	Electromagnetic and thermal properties of three-dimensional printed multilayered nano-carbon/poly(lactic) acid structures. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	44
120	Electromagnetic properties of graphene nanoplatelets/epoxy composites. <i>Composites Science and Technology</i> , 2016, 128, 75-83.	3.8	51
121	Synthesis of Pyrolytic Carbon Films on Dielectric Substrates. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2016, , 227-238.	0.2	1
122	Electrodynamics of Graphene/Polymer Multilayers in the GHz Frequency Domain. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2016, , 45-67.	0.2	2
123	Microwave Absorption in Graphene Films: Theory and Experiment. <i>Journal of Applied Spectroscopy</i> , 2016, 83, 650-655.	0.3	0
124	Copper nanoparticles decorated graphene nanoplatelets and composites with PEDOT:PSS. <i>Synthetic Metals</i> , 2016, 222, 192-197.	2.1	12
125	Bulk microstructure and local elastic properties of carbon nanocomposites studied by impulse acoustic microscopy technique. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	4
126	Comparative Analysis of Electromagnetic Response of PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT Composites. <i>Russian Physics Journal</i> , 2016, 59, 278-283.	0.2	4

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127	Ultra-thin Graphitic Film: Synthesis and Physical Properties. Nanoscale Research Letters, 2016, 11, 54.	3.1	15
128	Mechanical properties investigation of bilayer graphene/poly(methyl methacrylate) thin films at macro, micro and nanoscale. Carbon, 2016, 100, 355-366.	5.4	23
129	Shielding effects in thin films of carbon nanotubes within microwave range. Lithuanian Journal of Physics, 2016, 56, .	0.1	1
130	What does See the Impulse Acoustic Microscopy inside Nanocomposites?. Physics Procedia, 2015, 70, 703-706.	1.2	8
131	Carbon nanotubes and carbon onions for modification of styreneâ€“acrylate copolymer nanocomposites. Polymer Composites, 2015, 36, 1048-1054.	2.3	6
132	Challenges and Perspectives of Nanoelectromagnetics in the THz Range. , 2015, , .		0
133	Electromagnetic compatibility in nano-electronics: Manifestation and suppression of quantum crosstalk. , 2015, , .		2
134	Equivalent electrical multiport for quantum systems in entangled states. , 2015, , .		2
135	Antenna resonances in carbon nanotubes: Theoretical model and experimental verification. , 2015, , .		0
136	Tannin-based carbon foams in microwave frequency range: Toward fully carbon photonic crystal. , 2015, , .		0
137	Nanodiamond targets for accelerator X-ray experiments. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 261-263.	0.6	1
138	Phosphate ceramics âˆ“ carbon nanotubes composites:liquid aluminum phosphate vs solid magnesium phosphate binder. Ceramics International, 2015, 41, 12147-12152.	2.3	28
139	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. Nanoscale Research Letters, 2015, 10, 946.	3.1	33
140	Microwave Dielectric Properties of Tannin-Based Carbon Foams. Ferroelectrics, 2015, 479, 119-126.	0.3	13
141	Carbon periodic cellular architectures. Carbon, 2015, 88, 70-85.	5.4	60
142	Broadband Dielectric Spectroscopy of Composites Filled With Various Carbon Materials. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2024-2031.	2.9	14
143	Electromagnetic Characteristics of Thin Polyethylene-Carbon-Polyethylene Films. Russian Physics Journal, 2015, 58, 629-634.	0.2	0
144	Nanoscale Electromagnetic Compatibility: Quantum Coupling and Matching in Nanocircuits. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1645-1654.	1.4	24

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145	Electromagnetic properties of periodic carbon architectures at high frequencies. , 2015, , .		2
146	Enhanced electromagnetic properties of ultrathin pyrolytic carbon films in Ka-band. , 2015, , .		1
147	One-step preparation of multiwall carbon nanotube/silicon hybrids for solar energy conversion. Journal of Nanophotonics, 2015, 10, 012507.	0.4	3
148	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. Physica Scripta, 2015, 90, 094019.	1.2	24
149	Tannin-Based Carbon Foams for Electromagnetic Applications. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 989-995.	1.4	28
150	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. AIP Advances, 2015, 5, .	0.6	18
151	Dielectric properties and electrical conductivity of flat micronic graphite/polyurethane composites. Journal of Nanophotonics, 2015, 10, 012511.	0.4	5
152	Effects of sonochemical modification of carbon nanotubes on electrical and electromagnetic shielding properties of epoxy composites. Composites Science and Technology, 2015, 106, 85-92.	3.8	65
153	Study of nanometric thin pyrolytic carbon films for explosive electron emission cathode in high-voltage planar diode. Thin Solid Films, 2015, 581, 107-111.	0.8	9
154	Electromagnetic properties of phosphate composite materials with boron-containing carbon nanotubes. Physics of the Solid State, 2014, 56, 2537-2542.	0.2	7
155	Microwave response properties of epoxy resin composites filled with graphitic fillers. , 2014, , .		1
156	Carbon nanotubes and carbon onions for modification of styrene-acrylate copolymer based nanocomposites. , 2014, , .		0
157	Dielectric properties of graphite-based epoxy composites. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1623-1633.	0.8	32
158	Effect of Matrix Viscosity on Rheological and Microwave Properties of Polymer Nanocomposites with Multiwall Carbon Nanotubes. Journal of Theoretical and Applied Mechanics (Bulgaria), 2014, 44, 83-96.	0.6	6
159	Heat-resistant unfired phosphate ceramics with carbon nanotubes for electromagnetic application. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2580-2585.	0.8	8
160	Electromagnetic Properties of Graphene-like Films in Ka-Band. Applied Sciences (Switzerland), 2014, 4, 255-264.	1.3	8
161	Dielectric Properties of Polymer Composites with Carbon Nanotubes of Different Diameters. Journal of Nanoscience and Nanotechnology, 2014, 14, 5430-5434.	0.9	8
162	Flexible transparent graphene/polymer multilayers for efficient electromagnetic field absorption. Scientific Reports, 2014, 4, 7191.	1.6	131

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163	Electrical transport in carbon black-epoxy resin composites at different temperatures. Journal of Applied Physics, 2013, 114, .	1.1	28
164	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, .	1.1	51
165	Equivalent Electric Circuits for the Simulation of Carbon Nanotube-Epoxy Composites. IEEE Nanotechnology Magazine, 2013, 12, 696-703.	1.1	15
166	Influence of carbon-nanotube diameters on composite dielectric properties. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2491-2498.	0.8	19
167	Microwave absorption properties of pyrolytic carbon nanofilm. Nanoscale Research Letters, 2013, 8, 60.	3.1	26
168	A study of random resistor-capacitor-diode networks to assess the electromagnetic properties of carbon nanotube filled polymers. Applied Physics Letters, 2013, 103, 243104.	1.5	18
169	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.	1.1	71
170	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. Applied Physics Letters, 2013, 103, .	1.5	40
171	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. Journal of Nanophotonics, 2013, 7, 073593.	0.4	28
172	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. Journal of Nanophotonics, 2013, 7, 073595.	0.4	2
173	Anisotropic electromagnetic properties of polymer composites containing oriented multiwall carbon nanotubes in respect to terahertz polarizer applications. Journal of Applied Physics, 2013, 114, .	1.1	42
174	Nanocarbon broadband analysis, temperature dependent dielectric properties and percolation thresholds. , 2013, , .		0
175			

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181	Epoxy Resin/Carbon Black Composites Below the Percolation Threshold. Journal of Nanoscience and Nanotechnology, 2013, 13, 5434-5439.	0.9	12
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