

Sergei A Maksimenko

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199
papers

3,755
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34
h-index

53
g-index

235
ext. papers

4,209
ext. citations

2.6
avg, IF

4.96
L-index

#	Paper	IF	Citations
199	Electrodynamics of carbon nanotubes: Dynamic conductivity, impedance boundary conditions, and surface wave propagation. <i>Physical Review B</i> , 1999 , 60, 17136-17149	3.3	303
198	Theory of optical scattering by achiral carbon nanotubes and their potential as optical nanoantennas. <i>Physical Review B</i> , 2006 , 73,	3.3	154
197	Terahertz conductivity peak in composite materials containing carbon nanotubes: Theory and interpretation of experiment. <i>Physical Review B</i> , 2010 , 81,	3.3	106
196	Flexible transparent graphene/polymer multilayers for efficient electromagnetic field absorption. <i>Scientific Reports</i> , 2014 , 4, 7191	4.9	102
195	Highly efficient high-order harmonic generation by metallic carbon nanotubes. <i>Physical Review A</i> , 1999 , 60, R777-R780	2.6	100
194	Experimental evidence of localized plasmon resonance in composite materials containing single-wall carbon nanotubes. <i>Physical Review B</i> , 2012 , 85,	3.3	86
193	Electronic and electromagnetic properties of nanotubes. <i>Physical Review B</i> , 1998 , 57, 9485-9497	3.3	84
192	Theory of multiwall carbon nanotubes as waveguides and antennas in the infrared and the visible regimes. <i>Physical Review B</i> , 2009 , 79,	3.3	83
191	Enhanced microwave-to-terahertz absorption in graphene. <i>Applied Physics Letters</i> , 2016 , 108, 123101	3.4	75
190	Microwave probing of nanocarbon based epoxy resin composite films: Toward electromagnetic shielding. <i>Thin Solid Films</i> , 2011 , 519, 4114-4118	2.2	68
189	Matter coupling to strong electromagnetic fields in two-level quantum systems with broken inversion symmetry. <i>Physical Review Letters</i> , 2009 , 102, 023601	7.4	67
188	Electromagnetic wave propagation in an almost circular bundle of closely packed metallic carbon nanotubes. <i>Physical Review B</i> , 2007 , 76,	3.3	67
187	Nonlinear Electron Transport Effects in a Chiral Carbon Nanotube. <i>Physical Review Letters</i> , 1997 , 79, 1102-1105	7.4	63
186	Experimental and theoretical study of third-order harmonic generation in carbon nanotubes. <i>Applied Physics Letters</i> , 2002 , 81, 4064-4066	3.4	62
185	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
184	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
183	High-order harmonic generation by conduction electrons in carbon nanotube ropes. <i>Physical Review A</i> , 2001 , 63,	2.6	57

182	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. <i>Journal of Nanophotonics</i> , 2012 , 6, 061715	1.1	53
181	Effect of nitrogen doping on the electromagnetic properties of carbon nanotube-based composites. <i>Journal of Applied Physics</i> , 2013 , 113, 144315	2.5	51
180	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
179	Attenuation of electromagnetic waves in onion-like carbon composites. <i>Diamond and Related Materials</i> , 2007 , 16, 1231-1235	3.5	47
178	Rabi oscillations in a semiconductor quantum dot: Influence of local fields. <i>Physical Review B</i> , 2004 , 70,	3.3	46
177	Spontaneous decay of excited atomic states near a carbon nanotube. <i>Physical Review Letters</i> , 2002 , 89, 115504	7.4	46
176	Nanoelectromagnetics of Low-Dimensional Structures 145-206		45
175	Thermal radiation from carbon nanotubes in the terahertz range. <i>Physical Review Letters</i> , 2007 , 99, 147403	7.4	44
174	Third-order optical nonlinearity in single-wall carbon nanotubes. <i>Carbon</i> , 2006 , 44, 2246-2253	10.4	42
173	Signal Propagation in Carbon Nanotubes of Arbitrary Chirality. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 135-149	2.6	40
172	Carbon nanotube as a Cherenkov-type light emitter and free electron laser. <i>Physical Review B</i> , 2009 , 79,	3.3	40
171	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2012 , 54, 6-16	2	39
170	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
169	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
168	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. <i>Applied Physics Letters</i> , 2013 , 103, 073117	3.4	35
167	Anisotropic electromagnetic properties of polymer composites containing oriented multiwall carbon nanotubes in respect to terahertz polarizer applications. <i>Journal of Applied Physics</i> , 2013 , 114, 114304	2.5	35
166	Effective medium theory of the microwave and the infrared properties of composites with carbon nanotube inclusions. <i>Carbon</i> , 1998 , 36, 1833-1839	10.4	35
165	Multiphoton resonant excitations and high-harmonic generation in bilayer graphene. <i>Physical Review B</i> , 2013 , 88,	3.3	34

164	Radiofrequency field absorption by carbon nanotubes embedded in a conductive host. <i>Journal of Applied Physics</i> , 2010 , 108, 114302	2.5	34
163	Electromagnetic shielding properties of MWCNT/PMMA composites in Ka-band. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2662-2666	1.3	34
162	Dipole polarizability of onion-like carbons and electromagnetic properties of their composites. <i>Nanotechnology</i> , 2008 , 19, 115706	3.4	34
161	Characterizing epoxy composites filled with carbonaceous nanoparticles from dc to microwave. <i>Journal of Applied Physics</i> , 2013 , 113, 124103	2.5	33
160	Terahertz probing of onion-like carbon-PMMA composite films. <i>Diamond and Related Materials</i> , 2008 , 17, 1608-1612	3.5	33
159	Quantum optics of a quantum dot: Local-field effects. <i>Physical Review A</i> , 2002 , 66,	2.6	33
158	Dielectric properties of graphite-based epoxy composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1623-1633	1.6	28
157	Substitutional doping of carbon nanotubes to control their electromagnetic characteristics. <i>Physical Review B</i> , 2010 , 82,	3.3	28
156	Controllable electromagnetic response of onion-like carbon based materials. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2051-2054	1.3	28
155	Carbon nanotube antenna: Far-field, near-field and thermal-noise properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2360-2364	3	28
154	Polarization splitting of the gain band in quantum wire and quantum dot arrays. <i>Physical Review B</i> , 1999 , 59, 12275-12278	3.3	28
153	Effective boundary conditions for planar quantum dot structures. <i>Physical Review B</i> , 2001 , 64,	3.3	25
152	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. <i>Journal of Nanophotonics</i> , 2013 , 7, 073593	1.1	24
151	Collective spontaneous emission in coupled quantum dots: Physical mechanism of quantum nanoantenna. <i>Physical Review B</i> , 2012 , 86,	3.3	24
150	Exciton-phonon interactions and exciton dephasing in semiconductor quantum-well heterostructures. <i>Physical Review B</i> , 2003 , 68,	3.3	24
149	Electrical transport in carbon black-epoxy resin composites at different temperatures. <i>Journal of Applied Physics</i> , 2013 , 114, 033707	2.5	23
148	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
147	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

146	The effect of sample holder geometry on electromagnetic heating of nanoparticle and NaCl solutions at 13.56 MHz. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 3468-74	5	22
145	Microwave absorption properties of pyrolytic carbon nanofilm. <i>Nanoscale Research Letters</i> , 2013 , 8, 60	5	21
144	Multi-walled carbon nanotubes/PMMA composites for THz applications. <i>Diamond and Related Materials</i> , 2012 , 25, 13-18	3.5	21
143	Transmission-Line Model for Multiwall Carbon Nanotubes With Intershell Tunneling. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 554-564	2.6	21
142	Microscopic theory of quantum dot interactions with quantum light: Local field effect. <i>Physical Review B</i> , 2007 , 76,	3.3	20
141	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
140	Terahertz time domain spectroscopy of epoxy resin composite with various carbon inclusions. <i>Chemical Physics</i> , 2012 , 404, 129-135	2.3	18
139	Multilayered graphene in K(a)-band: nanoscale coating for aerospace applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 5864-7	1.3	18
138	Influence of nanotube length and density on the plasmonic terahertz response of single-walled carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 014003	3	18
137	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
136	Nonlinear theory of graphene interaction with strong laser radiation beyond the Dirac cone approximation: Coherent control of quantum states in nano-optics. <i>Physical Review B</i> , 2013 , 88,	3.3	17
135	Study of the polarizability of fullerenes with a monopole-dipole interaction model. <i>Diamond and Related Materials</i> , 2007 , 16, 2145-2149	3.5	17
134	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015 , 57, 1645-1654	2	16
133	Mixed states in Rabi waves and quantum nanoantennas. <i>Physical Review B</i> , 2012 , 85,	3.3	16
132	HIGH-ORDER OPTICAL HARMONIC GENERATION ON CARBON NANOTUBES: QUANTUM-MECHANICAL APPROACH. <i>International Journal of Nanoscience</i> , 2004 , 03, 343-354	0.6	16
131	Plasmon polariton deceleration in graphene structures. <i>Journal of Nanophotonics</i> , 2012 , 6, 061719	1.1	15
130	Wave propagation of Rabi oscillations in one-dimensional quantum dot chain. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 1374-1378	2.3	15
129	Electrical Permittivity and Conductivity of a Graphene Nanoplatelet Contact in the Microwave Range. <i>Materials</i> , 2018 , 11,	3.5	15

128	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
127	Onion-like carbon based polymer composite films in microwaves. <i>Solid State Sciences</i> , 2009 , 11, 1762-1767	3.4	14
126	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
125	How effectively do carbon nanotube inclusions contribute to the electromagnetic performance of a composite material? Estimation criteria from microwave and terahertz measurements. <i>Carbon</i> , 2018 , 129, 688-694	10.4	13
124	Graphene layered systems as a terahertz source with tuned frequency. <i>Physical Review B</i> , 2017 , 95,	3.3	13
123	Absorption Cross-Section and Near-Field Enhancement in Finite-Length Carbon Nanotubes in the Terahertz-to-Optical Range. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009 , 6, 2016-2023	0.3	13
122	Light confinement in a quantum dot. <i>Semiconductor Science and Technology</i> , 2000 , 15, 491-496	1.8	13
121	Silicon carbide/phosphate ceramics composite for electromagnetic shielding applications: Whiskers vs particles. <i>Applied Physics Letters</i> , 2019 , 114, 183105	3.4	12
120	. <i>IEEE Nanotechnology Magazine</i> , 2013 , 12, 696-703	2.6	12
119	DESIGN OF CARBON NANOTUBE-BASED BROADBAND RADAR ABSORBER FOR KA-BAND FREQUENCY RANGE. <i>Progress in Electromagnetics Research M</i> , 2017 , 53, 9-16	0.6	12
118	Toward the nano-FEL: Undulator and Cherenkov mechanisms of light emission in carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1065-1068	3	12
117	Size and shape effects in electromagnetic response of quantum dots and quantum dot arrays. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 82, 215-217	3.1	12
116	Electromagnetic response of 3D arrays of quantum dots. <i>Journal of Electronic Materials</i> , 2000 , 29, 494-503	3.9	11
115	CNT Based Epoxy Resin Composites for Conductive Applications. <i>Nanoscience and Nanotechnology Letters</i> , 2011 , 3, 889-894	0.8	11
114	Terahertz sensing with carbon nanotube layers coated on silica fibers: Carrier transport versus nanoantenna effects. <i>Applied Physics Letters</i> , 2010 , 97, 073116	3.4	10
113	Onion-like-carbon-based composite films: Theoretical modeling of electromagnetic response. <i>Solid State Sciences</i> , 2009 , 11, 1752-1756	3.4	10
112	Gaussian pulse propagation in a linear, lossy chiral medium. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997 , 14, 894	1.8	10
111	Stimulated emission of electron beam in nanotube bundles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2370-2374	3	10

110	Electromagnetic response of carbon nanotubes and nanotube ropes. <i>Synthetic Metals</i> , 2001 , 124, 121-123	3.6	10
109	Onion-Like Carbon in Microwaves: Electromagnetic Absorption Bands and Percolation Effect. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2009 , 4, 257-260	1.3	10
108	Study of nanometric thin pyrolytic carbon films for explosive electron emission cathode in high-voltage planar diode. <i>Thin Solid Films</i> , 2015 , 581, 107-111	2.2	9
107	Copper nanoparticles decorated graphene nanoplatelets and composites with PEDOT:PSS. <i>Synthetic Metals</i> , 2016 , 222, 192-197	3.6	9
106	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
105	Dielectric properties of onion-like carbon based polymer films: Experiment and modeling. <i>Solid State Sciences</i> , 2009 , 11, 1828-1832	3.4	9
104	Floquet-Bloch waves in periodic chiral media. <i>Physical Review E</i> , 1995 , 51, 2543-2549	2.4	9
103	Epoxy Resin/SWCNT Shielding Paint for Super-High-Frequency Range. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012 , 7, 81-86	1.3	9
102	Microwave radiation absorbers based on corrugated composites with carbon fibers. <i>Technical Physics</i> , 2016 , 61, 1880-1884	0.5	9
101	Electromagnetic Properties of Graphene-like Films in Ka-Band. <i>Applied Sciences (Switzerland)</i> , 2014 , 4, 255-264	2.6	8
100	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
99	Spontaneous decay of the excited state of an emitter near a finite-length metallic carbon nanotube. <i>Physical Review B</i> , 2010 , 82,	3.3	8
98	Radiative instability of electron beam in carbon nanotubes 2006 , 6328, 206		8
97	Nonlinear electromagnetics in chiral media: Self-action of waves. <i>Physical Review E</i> , 1995 , 52, 1049-1058	2.4	8
96	Light pulse dispersion under Laue diffraction from a spatial holographic grating. <i>Optics Communications</i> , 1992 , 94, 379-388	2	8
95	Anomalous electromagnetic coupling via entanglement at the nanoscale. <i>New Journal of Physics</i> , 2017 , 19, 023014	2.9	7
94	Mechanisms of terahertz emission from carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2010 , 405, 3054-3056	4.3	7
93	RF and Microwave Electrical Response of Carbon Nanotube Saline Solutions for Potential Biomedical Applications. <i>Nanoscience and Nanotechnology Letters</i> , 2011 , 3, 885-888	0.8	7

92	Integral equation technique for scatterers with mesoscopic insertions: Application to a carbon nanotube. <i>Physical Review B</i> , 2017 , 96,	3.3	6
91	Antenna resonances in terahertz photoconductivity of single wall carbon nanotube fibers. <i>Diamond and Related Materials</i> , 2012 , 27-28, 36-39	3.5	6
90	Scattering of the near field of an electric dipole by a single-wall carbon nanotube. <i>Journal of Nanophotonics</i> , 2010 , 4, 041685	1.1	6
89	Generation and Propagation of Electromagnetic Waves in Carbon Nanotubes: New Propositon for Optoelectronics and Bio-medical ApplicationsView all notes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2007 , 37, 341-346		6
88	Local Field Effects in an Isolated Quantum Dot: Self-Consistent Microscopic Approach. <i>Physica Status Solidi A</i> , 2002 , 190, 555-559		6
87	Scattering of Electromagnetic Waves by a Semi-Infinite Carbon Nanotube. <i>AEU - International Journal of Electronics and Communications</i> , 2001 , 55, 273-280	2.8	6
86	Bruggeman and Maxwell Garnett models of a chiral composite with weak cubic nonlinearities. <i>Microwave and Optical Technology Letters</i> , 1996 , 12, 342-346	1.2	6
85	Localized plasmon resonance in boron-doped multiwalled carbon nanotubes. <i>Physical Review B</i> , 2018 , 97,	3.3	6
84	Carbon nanotube sponges as tunable materials for electromagnetic applications. <i>Nanotechnology</i> , 2018 , 29, 375202	3.4	5
83	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	1.7	5
82	Heat-resistant unfired phosphate ceramics with carbon nanotubes for electromagnetic application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 2580-2585	1.6	5
81	Array of tunneling-coupled quantum dots as a terahertz range quantum nanoantenna. <i>Journal of Nanophotonics</i> , 2013 , 7, 073085	1.1	5
80	Carbon nanotubes and carbon onions for modification of styreneacrylate copolymer nanocomposites. <i>Polymer Composites</i> , 2015 , 36, 1048-1054	3	5
79	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		5
78	Photon-statistics dispersion in excitonic composites. <i>New Journal of Physics</i> , 2008 , 10, 023032	2.9	5
77	Exciton radiative lifetime of quantum rods in reflectivity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1985-1987	3	5
76	Electrodynamics of chiral carbon nanotubes in the helical parametrization scheme. <i>Journal of Nanophotonics</i> , 2007 , 1, 013505	1.1	5
75	Chirped pulse distortion in a volume reflection grating. <i>Optics Communications</i> , 1994 , 110, 401-409	2	5

74	Boron Enriched Unfired Phosphate Ceramics as Neutron Protector. <i>Nanoscience and Nanotechnology Letters</i> , 2012 , 4, 1104-1109	0.8	5
73	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
72	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	0.7	5
71	Grain size effect in conductive phosphate / carbon nanotube ceramics. <i>Ceramics International</i> , 2017 , 43, 4965-4969	5.1	4
70	Highly porous conducting carbon foams for electromagnetic applications 2012 ,		4
69	Cherenkov synchronism: Non-relativistic electron beam in multi-walled carbon nanotube and multi-layer graphene. <i>Physica B: Condensed Matter</i> , 2010 , 405, 3050-3053	2.8	4
68	Electromagnetic theory of nanodimensional antennas for terahertz, infrared and optical regimes 2008 ,		4
67	Effect of Slab Interfaces on Diffraction of Visible Light by a Thick Volume Grating. <i>Journal of Modern Optics</i> , 1994 , 41, 1875-1887	1.1	4
66	Scattering of electromagnetic waves by two crossing metallic single-walled carbon nanotubes of finite length. <i>Physical Review B</i> , 2021 , 103,	3.3	4
65	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
64	One-step preparation of multiwall carbon nanotube/silicon hybrids for solar energy conversion. <i>Journal of Nanophotonics</i> , 2015 , 10, 012507	1.1	3
63	Electroactive Polymer Based Conducting, Magnetic, and Luminescent Triple Composites. <i>Advances in Science and Technology</i> , 2016 , 97, 24-29	0.1	3
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	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 527-530	1.8	3
60	Nanocarbon Modified Epoxy Resin and Microwaves. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 496-501	1.8	3
59	Excitonic Rabi oscillations in a quantum dot: local field impact. <i>Superlattices and Microstructures</i> , 2004 , 36, 773-781	2.8	3
58	Time-domain beltrami-maxwell solitons in certain nonlinear chiral media. <i>Microwave and Optical Technology Letters</i> , 1995 , 9, 218-221	1.2	3
57	Special Section Guest Editorial: Nanocarbon Photonics and Optoelectronics. <i>Journal of Nanophotonics</i> , 2017 , 11, 032501	1.1	3

56	Alignment of polymer based magnetic composites in magnetic field. <i>Progress in Organic Coatings</i> , 2019 , 137, 105366	4.8	2
55	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
54	Electrical Conductivity of Carbon Nanotubes: Modeling and Characterization 2017 , 101-128		2
53	Electronic properties of asymmetrical quantum dots dressed by laser field. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 914-917	1.3	2
52	Spontaneous decay of an excited state of an emitter coupled to parallel SWNTs placed in the vicinity of a plane interface between two dielectric materials. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011 , 9, 381-389	2.6	2
51	Influence of Humidity on Dielectric Properties of PMMA Nanocomposites Containing Onion-Like Carbon. <i>Ferroelectrics</i> , 2009 , 391, 131-138	0.6	2
50	Electromagnetic response of the composites containing chemically modified carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2010 , 248, 012003	0.3	2
49	Near-field and far-field effects in thermal radiation from metallic carbon nanotubes 2007 ,		2
48	Exciton-phonon interactions and exciton pure dephasing in lens-shaped quantum dots. <i>Materials Science and Engineering C</i> , 2003 , 23, 1107-1110	8.3	2
47	Towards Cholesteric Absorbers for Microwave Frequencies. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001 , 22, 999-1007		2
46	Group-velocity dispersion in an all-pass Bragg filter. <i>Optics Letters</i> , 1994 , 19, 1783-5	3	2
45	On X-Ray Surface Diffraction. <i>Physica Status Solidi A</i> , 1984 , 85, K23-K25		2
44	The Tensor Reflection Coefficient for the Surface Diffraction. <i>Physica Status Solidi (B): Basic Research</i> , 1985 , 131, 429-435	1.3	2
43	Dielectric Response of Onion-Like Carbon-Based Polymethyl Methacrylate Composites. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2009 , 4, 261-266	1.3	2
42	Electrical properties of carbon nanotubes/WS ₂ nanotubes (nanoparticles) hybrid films. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2016 , 37-43	1.8	2
41	Carbon-Based Terahertz Resonant Antennas. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2019 , 175-199	0.2	1
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	Alignment of luminescent liquid crystalline molecules on modified PEDOT:PSS substrate. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 5063-5068	3.3	1

38	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. <i>Journal of Nanophotonics</i> , 2013 , 7, 073595	1.1	1
37	Ultra-thin graphitic carbon film for high-power electronics applications. <i>Micro and Nano Letters</i> , 2017 , 12, 140-142	0.9	1
36	Rabi oscillations and saturable absorption effect in single-wall carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2010 , 248, 012015	0.3	1
35	Photonic density of states in the vicinity of a single-wall finite-length carbon nanotube. <i>Physica Scripta</i> , 2009 , T135, 014041	2.6	1
34	Atomic spontaneous decay rate enhancement near a carbon nanotube. <i>Carbon</i> , 2004 , 42, 997-1000	10.4	1
33	Third-harmonic generation in carbon nanotubes: theory and experiment 2004 ,		1
32	Strong light-matter coupling in a quantum dot: local field effects. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 850-853		1
31	Covariant Theory of the Multiwave Bragg-Laue X-Ray Diffraction in Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1989 , 151, 17-21	1.3	1
30	Shielding effects in thin films of carbon nanotubes within microwave range. <i>Lithuanian Journal of Physics</i> , 2016 , 56,	1.1	1
29	Excitonic Composites 2002 , 385-402		1
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