P P Kuzhir

List of Publications by Year
in descending order

329	11,793	34076	33869
papers	citations	52 h-index	99 g-index

332	332	332	10642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	0.5	1,752
2	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi>NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml: the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581
3	Charged-particle multiplicities inppinteractions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
4	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
5	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
6			

#	Article	IF	Citations
19	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb. Physics Letters, Section B: Nuclea	1.5	126
20	Measurement of the inclusive isolated prompt photon cross section in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</m the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121
21	A search for new physics in dijet mass and angular distributions in<i>pp</i>collisions at sqrt{s}=7â€‰TeV measured with the ATLAS detector. New Journal of Physics, 2011, 13, 053044.	1.2	116
22	Measurement of inclusive jet and dijet cross sections inÂproton-proton collisions at 7ÂTeV centre-of-mass energy withÂtheÂATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	114
23	Search for New Particles in Two-Jet Final States in 7ÂTeV Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.	2.9	113
24	Measurement of the centrality dependence of the charged particle pseudorapidity distribution in leadâ€“lead collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">NN</mml:mi></mml:mrow></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>2.76</mml:mn><mml TeV</mml:mtext></mml:math> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary [illegible]	1.5	109
25	Measurement of the centrality dependence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>Ïˆ</mml:mi></mml:math> yields and observation of Z production in leadâ€“lead collisions with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 294-312.	1.5	107
26	Experimental evidence of localized plasmon resonance in composite materials containing single-wall carbon nanotubes. Physical Review B, 2012, 85, .	1.1	105
27	Enhanced microwave-to-terahertz absorption in graphene. Applied Physics Letters, 2016, 108, .	1.5	99
28	Testbeam studies of production modules of the ATLAS Tile Calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 362-394.	0.7	91
29	Search for Dilepton Resonances in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</m the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	2.9	81
30	Microwave probing of nanocarbon based epoxy resin composite films: Toward electromagnetic shielding. Thin Solid Films, 2011, 519, 4114-4118.	0.8	80
31	Electromagnetic properties of model vitreous carbon foams. Carbon, 2017, 122, 217-227.	5.4	77
32	Search for new physics in the dijet mass distribution using 1 fbâˆ’1 of pp collision data at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	1.5	75
33	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $sqrt{s}=7mbox{~TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
34	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
35	Measurement of underlying event characteristics using charged particles in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>900</mml:mn><mml:mtext>â€‰ 7ÂTeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	70
36	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

#	Article	IF	Citations
37	Measurement of the W â†' â„“Î½ and Z/Î³ * â†' â„“â„“ production cross sections in proton-proton collisions at $ sqrt {s} = 7;{ext{TeV}} $ with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
38	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.	3.8	63
39	Measurement of dijet azimuthal decorrelations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext> Physical Review Letters, 2011, 106, 172002.	2.9	61
40	Measurement of multi-jet cross sections in protonâ€“proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	1.4	60
41	Electromagnetic shielding efficiency in Ka-band: carbon foam versus epoxy/carbon nanotube composites. Journal of Nanophotonics, 2012, 6, 061715.	0.4	60
42	Carbon periodic cellular architectures. Carbon, 2015, 88, 70-85.	5.4	60
43	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/dtd"> Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 186-203.	1.5	58
44	Measurement of the transverse momentum distribution of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Z</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:msup><mml:mi>Î³</mml:mi><mml:mo>âˆ—</mml:mo></mml:msup></mml:math> bosons in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> measured with the ATLAS detector. Physical Review D, 2011, 83, .	1.5	57
45	Search for contact interactions in dilepton mass spectra in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> measured with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	57
46	Measurement of the jet fragmentation function and transverse profile in protonâ€“proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	56
47	Effect of nitrogen doping on the electromagnetic properties of carbon nanotube-based composites. Journal of Applied Physics, 2013, 113, .	1.1	56
48	Study of jet shapes in inclusive jet production in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext></mml:math> Physical Review D, 2011, 83, .	1.6	55
49	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mspace	1.5	55
50	Search for supersymmetry in pp collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.. Physics Letter	1.5	54
51	Terahertz processes in carbon nanotubes. Journal of Nanophotonics, 2010, 4, 041665.	0.4	52
52	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	52
53	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
54	Electromagnetic properties of graphene nanoplatelets/epoxy composites. Composites Science and Technology, 2016, 128, 75-83.	3.8	51

#	Article	IF	Citations
55	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mn>35</mml:mn><mml:msup><mml:mtext> pb</mml:mtext><mml:mrow><mml:mo>â^'</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:math> with the ATLAS detector. Physics	1.5	49
56	Main principles of passive devices based on graphene and carbon films in microwaveâ€”THz frequency range. Journal of Nanophotonics, 2017, 11, 032504.	0.4	48
57	Carbon nanotube as a Cherenkov-type light emitter and free electron laser. Physical Review B, 2009, 79, .	1.1	47
58	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fbâ^'1 of pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 28-46.	1.5	47
59	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $ sqrt {s} = 7 $ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
60	Search for New Phenomena in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>t</mml:mi><mml:mover accent="true"><mml:mi>t</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>Events with Large Missing Transverse Momentum in Proton-Proton Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>	2.9	46
61	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	46
62	Measurements of the electron and muon inclusive cross-sections in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.5	46
63	Terahertz probing of onion-like carbon-PMMA composite films. Diamond and Related Materials, 2008, 17, 1608-1612.	1.8	45
64	Search for neutral MSSM Higgs bosons decaying to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>Ï„</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>Ï„</mml:mi><mml:mo> pairs in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>	1.5	45
65	Measurement of the top quark pair production cross section in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> in dilepton final states with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	1.5	46
66	Carbon Onion Composites for EMC Applications. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 6-16.	1.4	44
67	Electromagnetic and thermal properties of three-dimensional printed multilayered nano-carbon/poly(lactic) acid structures. Journal of Applied Physics, 2016, 119, .	1.1	44
68	Soft cutting of single-wall carbon nanotubes by low temperature ultrasonication in a mixture of sulfuric and nitric acids. Nanotechnology, 2012, 23, 495714.	1.3	43
69	Hollow carbon spheres in microwaves: Bio inspired absorbing coating. Applied Physics Letters, 2016, 108, .	1.5	43
70	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
71	Nanocarbon/Poly(Lactic) Acid for 3D Printing: Effect of Fillers Content on Electromagnetic and Thermal Properties. Materials, 2019, 12, 2369.	1.3	42
72	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/ P	1.5	41

#	Article	IF	Citations
73	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $sqrt{s}=7~mbox{TeV}$ protonâ€“proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
74	Measurement of the isolated diphoton cross section in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo mathvariant="bold">=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Te	1.6	41
75	Limits on the production of the standard model Higgs boson in pp collisions at $sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
76	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. Applied Physics Letters, 2013, 103, .	1.5	40
77	Dipole polarizability of onion-like carbons and electromagnetic properties of their composites. Nanotechnology, 2008, 19, 115706.	1.3	39
78	Electromagnetic shielding properties of MWCNT/PMMA composites in Kaâ€band. Physica Status Solidi (B): Basic Research, 2009, 246, 2662-2666.	0.7	39
79	Measurement of the production cross section for W-bosons in association with jets in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.5	39
80	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
81	Measurement of the W charge asymmetry in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>W</mml:mi><mml:mo>â†’</mml:mo><mml:mi>Î¼</mml:mi><mml:mi>Î½</mml:mi></mml:math> decay mode in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif"	1.5	38
82	Measurement of the transverse momentum distribution of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>W</mml:mi></mml:math>bosons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi>	1.6	37
83	Characterizing epoxy composites filled with carbonaceous nanoparticles from dc to microwave. Journal of Applied Physics, 2013, 113, .	1.1	37
84	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. Materials, 2018, 11, 2256.	1.3	37
85	Terahertz absorption in graphite nanoplatelets/polylactic acid composites. Journal Physics D: Applied Physics, 2018, 51, 145307.	1.3	36
86	Measurement of pion and proton response and longitudinal shower profiles up to 20 nuclear interaction lengths with the ATLAS Tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 615, 158-181.	0.7	35
87	Substitutional doping of carbon nanotubes to control their electromagnetic characteristics. Physical Review B, 2010, 82, .	1.1	35
88	Inclusive search for same-sign dilepton signatures in pp collisions at $ sqrt {s} = 7 $ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
89	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. Nanoscale Research Letters, 2015, 10, 946.	3.1	33
90	Controllable electromagnetic response of onionâ€like carbon based materials. Physica Status Solidi (B): Basic Research, 2008, 245, 2051-2054.	0.7	32

#	Article	IF	Citations
91	Search for high mass dilepton resonances in pp collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	1.5	32
92	Dielectric properties of graphiteâ€based epoxy composites. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1623-1633.	0.8	32
93	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $sqrt{s}=900$ GeV and $sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, .	1.4	31
94	Measurement of the production cross section for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo>/</mml:mo><mml:mi>Î³</mml:mi><mml:mo>*</mml:mo></mml:math>in association with jets in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi>	1.6	31
95	Multi-walled carbon nanotubes/PMMA composites for THz applications. Diamond and Related Materials, 2012, 25, 13-18.	1.8	31
96	Dielectric properties of a novel high absorbing onion-like-carbon based polymer composite. Diamond and Related Materials, 2010, 19, 91-99.	1.8	29
97	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰< the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
98	Search for a Standard Model Higgs Boson in theHâ†’ZZâ†’â„“+â„“â^Î½Î½Â¯Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	2.9	29
99	Nano-scaled onion-like carbon: Prospective material for microwave coatings. Metamaterials, 2009, 3, 148-156.	2.2	28
100	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28
101	Electrical transport in carbon black-epoxy resin composites at different temperatures. Journal of Applied Physics, 2013, 114, .	1.1	28
102	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. Journal of Nanophotonics, 2013, 7, 073593.	0.4	28
103	Phosphate ceramics â^' carbon nanotubes composites:liquid aluminum phosphate vs solid magnesium phosphate binder. Ceramics International, 2015, 41, 12147-12152.	2.3	28
104	Tannin-Based Carbon Foams for Electromagnetic Applications. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 989-995.	1.4	28
105	Anisotropy of the electromagnetic properties of polymer composites based on multiwall carbon nanotubes in the gigahertz frequency range. JETP Letters, 2011, 93, 607-611.	0.4	27
106	Measurement of the cross-section for b-jets produced in association with a Z boson at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>Â</mml:mtext></mml:math> with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	1.5	27
107	Single-walled carbon nanotubes as a photo-thermo-acoustic cancer theranostic agent: theory and proof of the concept experiment. Scientific Reports, 2020, 10, 22174.	1.6	27
108	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo>â†’</mml:mo><mml:mi>Ï„</mml:mi><mml:mi>Ï„</mml:mi></mml:math>cross section with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	26

#	Article	IF	Citations
109	Microwave absorption properties of pyrolytic carbon nanofilm. Nanoscale Research Letters, 2013, 8, 60.	3.1	26
110	Fully carbon metasurface: Absorbing coating in microwaves. Journal of Applied Physics, 2017, 121, .	1.1	26
111	Polyethylene Composites with Segregated Carbon Nanotubes Network: Low Frequency Plasmons and High Electromagnetic Interference Shielding Efficiency. Materials, 2020, 13, 1118.	1.3	25
112	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>W</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>W</mml:mi><mml:mo Section in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext>â€‰</m xmlns:mml="http://www.w3.org/1998/Math/. Physical Review Letters, 2011, 107, 041802.	2.9	24
113	Nanoscale Electromagnetic Compatibility: Quantum Coupling and Matching in Nanocircuits. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1645-1654.	1.4	24
114	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. Physica Scripta, 2015, 90, 094019.	1.2	24
115	The cluster architecture of carbon in polymer nanocomposites observed by impulse acoustic microscopy. Physica Status Solidi (B): Basic Research, 2016, 253, 1952-1959.	0.7	24
116	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
117	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	1.5	23
118	Search for the Higgs Boson in theHâ†'WWâ†'lÎ½jjDecay Channel inppCollisions ats=7â€‰â€‰TeVwith the ATLAS Detector. Physical Review Letters, 2011, 107, 231801.	2.9	23
119	A study of the material in the ATLAS inner detector using secondary hadronic interactions. Journal of Instrumentation, 2012, 7, P01013-P01013.	0.5	23
120	Mechanical properties investigation of bilayer graphene/poly(methyl methacrylate) thin films at macro, micro and nanoscale. Carbon, 2016, 100, 355-366.	5.4	23
121	Search for the Standard Model Higgs boson in the decay channel <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.5	22
122	Terahertz time domain spectroscopy of epoxy resin composite with various carbon inclusions. Chemical Physics, 2012, 404, 129-135.	0.9	22
123	Silicon carbide/phosphate ceramics composite for electromagnetic shielding applications: Whiskers vs particles. Applied Physics Letters, 2019, 114, 183105.	1.5	22
124	Fine Tuning of Electrical Transport and Dielectric Properties of Epoxy/Carbon Nanotubes Composites via Magnesium Oxide Additives. Polymers, 2019, 11, 2044.	2.0	22
125	All-graphene perfect broadband THz absorber. Carbon, 2021, 185, 709-716.	5.4	22
126	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Ï'</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mi>S</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (stret xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>	1.5	21

#	Article	IF	Citations
127	Search for high-mass states with one lepton plus missing transverse momentum in protonâ€“proton collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www. Physics Letters, Sect...	1.5	21
128	Tunable Perfect THz Absorber Based on a Stretchable Ultrathin Carbon-Polymer Bilayer. Materials, 2019, 12, 143.	1.3	21
129	On the Synergistic Effect of Multi-Walled Carbon Nanotubes and Graphene Nanoplatelets to Enhance the Functional Properties of SLS 3D-Printed Elastomeric Structures. Polymers, 2020, 12, 1841.	2.0	21
130	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>W</mml:mi><mml:mo>â†’</mml:mo><mml:mi>ℓ„</mml:mi><mml:msub><mml:mi>ℓ½</mml:mi><mml:mi> cross section in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math> with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementa...	1.5	20
131	Multilayered Graphene in <I>K_a</I>-Band: Nanoscale Coating for Aerospace Applications. Journal of Nanoscience and Nanotechnology, 2013, 13, 5864-5867.	0.9	20
132	Mechanical and electromagnetic properties of 3D printed hot pressed nanocarbon/poly(lactic) acid thin films. Journal of Applied Physics, 2017, 121, .	1.1	20
133	Search for Diphoton Events with Large Missing Transverse Energy in 7ÂTeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.	2.9	19
134	Influence of carbon-nanotube diameters on composite dielectric properties. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2491-2498.	0.8	19
135	Onion-like carbon based polymer composite films in microwaves. Solid State Sciences, 2009, 11, 1762-1767.	1.5	18
136	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
137	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $sqrt{s}=7$ TeV protonâ€“proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	18
138	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
139	Microstructure, elastic and electromagnetic properties of epoxy-graphite composites. AIP Advances, 2015, 5, .	0.6	18
140	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
141	Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon. Carbon, 2019, 143, 660-668.	5.4	18
142	Search for pair production of first or second generation leptoquarks in proton-proton collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</m the ATLAS detector at the LHC. Physical Review D, 2011, 83, .	1.6	17
143	Nanoscale reinforcement of polypropylene composites with carbon nanotubes and clay: Dispersion state, electromagnetic and nanomechanical properties. Polymer Engineering and Science, 2016, 56, 269-277.	1.5	17
144	3D-printed, carbon-based, lossy photonic crystals: Is high electrical conductivity the must?. Carbon, 2021, 171, 484-492.	5.4	17

#	Article	IF	Citations
145	Search for a heavy Standard Model Higgs boson in the channel <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	1.5	16
146	Search for diphoton events with large missing transverse energy with 36 pbâ¯1 of 7 TeV protonâ€“proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	15
147	Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at the LHC. Physical Review Letters, 2011, 106, 251801.	2.9	15
148	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.	0.4	15
149	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
150	Equivalent Electric Circuits for the Simulation of Carbon Nanotube-Epoxy Composites. IEEE Nanotechnology Magazine, 2013, 12, 696-703.	1.1	15
151	EXPLORING CARBON NANOTUBES/BATIO3/FE3O4 NANOCOMPOSITES AS MICROWAVE ABSORBERS. Progress in Electromagnetics Research C, 2016, 66, 77-85.	0.6	15
152	Ultra-thin Graphitic Film: Synthesis and Physical Properties. Nanoscale Research Letters, 2016, 11, 54.	3.1	15
153	Ultra-Thin Pyrocarbon Films as a Versatile Coating Material. Nanoscale Research Letters, 2017, 12, 121.	3.1	15
154	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
155	Evaluation of thermal and electrical conductivity of carbon-based PLA nanocomposites for 3D printing. AIP Conference Proceedings, 2018, , .	0.3	15
156	Dielectric Relaxation in the Hybrid Epoxy/MWCNT/MnFe2O4 Composites. Polymers, 2020, 12, 697.	2.0	15
157	CNT Based Epoxy Resin Composites for Conductive Applications. Nanoscience and Nanotechnology Letters, 2011, 3, 889-894.	0.4	15
158	Search for a heavy neutral particle decaying into an electron and a muon using 1 fbâ¯1 of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
159	Broadband Dielectric Spectroscopy of Composites Filled With Various Carbon Materials. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2024-2031.	2.9	14
160	Short-length carbon nanotubes as building blocks for high dielectric constant materials in the terahertz range. Journal Physics D: Applied Physics, 2017, 50, 08LT01.	1.3	14
161	Structure and Electromagnetic Properties of Cellular Glassy Carbon Monoliths with Controlled Cell Size. Materials, 2018, 11, 709.	1.3	14
162	Surface-Enhanced Raman Spectroscopy of Organic Molecules and Living Cells with Gold-Plated Black Silicon. ACS Applied Materials & Interfaces, 2020, 12, 50971-50984.	4.0	14

#	Article	IF	Citations
163	Toward the nano-FEL: Undulator and Cherenkov mechanisms of light emission in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1065-1068.	1.3	13
164	Dielectric properties of onion-like carbon based polymer films: Experiment and modeling. Solid State Sciences, 2009, 11, 1828-1832.	1.5	13
165	Search for lepton flavour violation in the eÎ¼ continuum with the ATLAS detector in $sqrt{s} = 7~mbox{TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
166	Microwave Dielectric Properties of Tannin-Based Carbon Foams. Ferroelectrics, 2015, 479, 119-126.	0.3	13
167	Onion-Like Carbon in Microwaves: Electromagnetic Absorption Bands and Percolation Effect. Journal of Nanoelectronics and Optoelectronics, 2009, 4, 257-260.	0.1	13
168	Epoxy Resin/SWCNT Shielding Paint for Super-High-Frequency Range. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 81-86.	0.1	13
169	Epoxy Resin/Carbon Black Composites Below the Percolation Threshold. Journal of Nanoscience and Nanotechnology, 2013, 13, 5434-5439.	0.9	12
170	Copper nanoparticles decorated graphene nanoplatelets and composites with PEDOT:PSS. Synthetic Metals, 2016, 222, 192-197.	2.1	12
171	Essential Nanostructure Parameters to Govern Reinforcement and Functionality of Poly(lactic) Acid Nanocomposites with Graphene and Carbon Nanotubes for 3D Printing Application. Polymers, 2020, 12, 1208.	2.0	12
172	Sensitive Detection of Industrial Pollutants Using Modified Electrochemical Platforms. Nanomaterials, 2022, 12, 1779.	1.9	12
173	Microwave absorption by carbon-based materials and structures. Journal of Applied Physics, 2022, 131, .	1.1	12
174	Stimulated emission of electron beam in nanotube bundles. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2370-2374.	1.3	11
175	Measurement of WÎ³ and ZÎ³ production in proton-proton collisions at $ sqrt {s} = 7 $ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
176	Anomalous electromagnetic coupling via entanglement at the nanoscale. New Journal of Physics, 2017, 19, 023014.	1.2	11
177	Allâ€Optical Thermometry with NV and SiV Color Centers in Biocompatible Diamond Microneedles. Advanced Optical Materials, 2022, 10, .	3.6	11
178	Radiative instability of electron beam in carbon nanotubes. , 2006, 6328, 206.		10
179	Onion-like-carbon-based composite films: Theoretical modeling of electromagnetic response. Solid State Sciences, 2009, 11, 1752-1756.	1.5	10
180	Terahertz sensing with carbon nanotube layers coated on silica fibers: Carrier transport versus nanoantenna effects. Applied Physics Letters, 2010, 97, 073116.	1.5	10

#	Article	IF	Citations
181	Microwave radiation absorbers based on corrugated composites with carbon fibers. Technical Physics, 2016, 61, 1880-1884.	0.2	10
182	Sign inversion in the terahertz photoconductivity of single-walled carbon nanotube films. Physical Review B, 2018, 98, .	1.1	10
183	Numerical Simulation of the Percolation Threshold in Non-Overlapping Ellipsoid Composites: Toward Bottom-Up Approach for Carbon Based Electromagnetic Components Realization. Applied Sciences (Switzerland), 2018, 8, 882.	1.3	10
184	Synergy Effects in Electromagnetic Properties of Phosphate Ceramics with Silicon Carbide Whiskers and Carbon Nanotubes. Applied Sciences (Switzerland), 2019, 9, 4388.	1.3	10
185	Robust design of compact microwave absorbers and waveguide matched loads based on DC-conductive 3D-printable filament. Journal Physics D: Applied Physics, 2020, 53, 305301.	1.3	10
186	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
187	Temperature induced modification of the mid-infrared response of single-walled carbon nanotubes. Journal of Applied Physics, 2016, 119, .	1.1	9
188	Electrical Properties of Carbon Foam in the Microwave Range. Russian Physics Journal, 2017, 59, 1703-1709.	0.2	9
189	Observation of the microwave near-field enhancement effect in suspensions comprising single-walled carbon nanotubes. Materials Research Express, 2017, 4, 075033.	0.8	9
190	Creation of metasurface from vertically aligned carbon nanotubes as versatile platform for ultra-light THz components. Nanotechnology, 2020, 31, 255703.	1.3	9
191	Scattering of electromagnetic waves by two crossing metallic single-walled carbon nanotubes of finite length. Physical Review B, 2021, 103, .	1.1	9
192	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://w. Physics Letters, Sectio	1.5	8
193	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
194	Electromagnetic Properties of Graphene-like Films in Ka-Band. Applied Sciences (Switzerland), 2014, 4, 255-264.	1.3	8
195	Dielectric Properties of Polymer Composites with Carbon Nanotubes of Different Diameters. Journal of Nanoscience and Nanotechnology, 2014, 14, 5430-5434.	0.9	8
196	What does See the Impulse Acoustic Microscopy inside Nanocomposites?. Physics Procedia, 2015, 70, 703-706.	1.2	8
197	Integral equation technique for scatterers with mesoscopic insertions: Application to a carbon nanotube. Physical Review B, 2017, 96, .	1.1	8
198	Modelling the physical properties of glasslike carbon foams. Journal of Physics: Conference Series, 2017, 879, 012014.	0.3	8

#	Article	IF	Citations
199	Ultra-Light Reduced Graphene Oxide Based Aerogel/Foam Absorber of Microwave Radiation. Materials, 2019, 12, 213.	1.3	8
200	The ATLAS hadronic tile calorimeter: from construction toward physics. IEEE Transactions on Nuclear Science, 2006, 53, 1275-1281.	1.2	7
201	Mechanisms of terahertz emission from carbon nanotubes. Physica B: Condensed Matter, 2010, 405, 3054-3056.	1.3	7
202	Highly porous conducting carbon foams for electromagnetic applications. , 2012, , .		7
203	Electromagnetic properties of phosphate composite materials with boron-containing carbon nanotubes. Physics of the Solid State, 2014, 56, 2537-2542.	0.2	7
204	Fluorination as Effective Method for Tuning the Electromagnetic Response of Graphene. Physica Status Solidi (B): Basic Research, 2018, 255, 1700226.	0.7	7
205	Localized plasmon resonance in boron-doped multiwalled carbon nanotubes. Physical Review B, 2018, 97, .	1.1	7
206	Carbon nanotube sponges as tunable materials for electromagnetic applications. Nanotechnology, 2018, 29, 375202.	1.3	7
207	Carbon-Coated Nickel Nanoparticles: Effect on the Magnetic and Electric Properties of Composite Materials. Coatings, 2018, 8, 165.	1.2	7
208	Carbon nanotube array as a van der Waals two-dimensional hyperbolic material. Physical Review B, 2019, 100, .	1.1	7
209	Generation and Propagation of Electromagnetic Waves in Carbon Nanotubes: New Propositon for Optoelectronics and Bioâ€medical Applications. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2007, 37, 341-346.	0.6	6
210	Search for contact interactions in dimuon events from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</m the ATLAS detector. Physical Review D, 2011, 84, .	1.6	6
211	Antenna resonances in terahertz photoconductivity of single wall carbon nanotube fibers. Diamond and Related Materials, 2012, 27-28, 36-39.	1.8	6
212	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
213	Carbon nanotubes and carbon onions for modification of styreneâ€“acrylate copolymer nanocomposites. Polymer Composites, 2015, 36, 1048-1054.	2.3	6
214	Shielding properties of composite materials based on epoxy resin with graphene nanoplates in the microwave frequency range. Technical Physics Letters, 2016, 42, 1141-1144.	0.2	6
215	Grain size effect in conductive phosphate / carbon nanotube ceramics. Ceramics International, 2017, 43, 4965-4969.	2.3	6
216	Frequency and density dependencies of the electromagnetic parameters of carbon nanotube and graphene nanoplatelet based composites in the microwave and terahertz ranges. Materials Research Express, 2019, 6, 095050.	0.8	6

#	Article	IF	Citations
217	Electromagnetic Properties of Carbon Gels. Materials, 2019, 12, 4143.	1.3	6
218	Percolation and Transport Properties in The Mechanically Deformed Composites Filled with Carbon Nanotubes. Applied Sciences (Switzerland), 2020, 10, 1315.	1.3	6
219	Dielectric Relaxation Spectroscopy and Synergy Effects in Epoxy/MWCNT/Ni@C Composites. Nanomaterials, 2021, 11, 555.	1.9	6
220	Outstanding Radiation Tolerance of Supported Graphene: Towards 2D Sensors for the Space Millimeter Radioastronomy. Nanomaterials, 2021, 11, 170.	1.9	6
221	A measurement of the photonuclear interactions of 180 GeV muons in iron. European Physical Journal C, 2003, 28, 297-304.	1.4	5
222	Dielectric properties of MWCNT based polymer composites close and below percolation threshold. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2814-2816.	0.8	5
223	Dielectric properties and electrical conductivity of flat micronic graphite/polyurethane composites. Journal of Nanophotonics, 2015, 10, 012511.	0.4	5
224	A robust approach to the design of an electromagnetic shield based on pyrolitic carbon. AIP Advances, 2016, 6, .	0.6	5
225	Synthesis and dielectric properties of ferroelectric-ferrimagnetic PZT-SFMO composites. Modern Electronic Materials, 2017, 3, 26-31.	0.2	5
226	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.	4.0	5
227	Dielectric Properties and Electrical Percolation in MnFe 2 O 4 /Epoxy Resin Composites. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900526.	0.8	5
228	Macro-, Micro- and Nano-Roughness of Carbon-Based Interface with the Living Cells: Towards a Versatile Bio-Sensing Platform. Sensors, 2020, 20, 5028.	2.1	5
229	0.7Pb(Mg1/3Nb2/3)O3-0.3PbTiO3 Phosphate Composites: Dielectric and Ferroelectric Properties. Materials, 2021, 14, 5065.	1.3	5
230	Boron Enriched Unfired Phosphate Ceramics as Neutron Protector. Nanoscience and Nanotechnology Letters, 2012, 4, 1104-1109.	0.4	5
231	Visualizing hypochlorous acid production by human neutrophils with fluorescent graphene quantum dots. Nanotechnology, 2022, 33, 095101.	1.3	5
232	Cherenkov synchronism: Non-relativistic electron beam in multi-walled carbon nanotube and multi-layer graphene. Physica B: Condensed Matter, 2010, 405, 3050-3053.	1.3	4
233	Nanocarbon Modified Epoxy Resin and Microwaves. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 496-501.	1.0	4
234	The optical instrumentation of the ATLAS Tile Calorimeter. Journal of Instrumentation, 2013, 8, P01005-P01005.	0.5	4

#	Article	IF	Citations
235	Bulk microstructure and local elastic properties of carbon nanocomposites studied by impulse acoustic microscopy technique. AIP Conference Proceedings, 2016, , .	0.3	4
236	Comparative Analysis of Electromagnetic Response of PVA/MWCNT and Styrene-Acrylic Copolymer/MWCNT Composites. Russian Physics Journal, 2016, 59, 278-283.	0.2	4
237	Influence of carbon nanotube surface treatment on resistivity and lowâ€frequency noise characteristics of epoxyâ€based composites. Polymer Composites, 2018, 39, E1224.	2.3	4
238	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
239	Synergetic effect of triglycine sulfate and graphite nanoplatelets on dielectric and piezoelectric properties of epoxy resin composites. Polymer Composites, 2019, 40, E1181.	2.3	4
240	Stretching and Tunability of Grapheneâ€Based Passive Terahertz Components. Physica Status Solidi (B): Basic Research, 2019, 256, 1800683.	0.7	4
241	Alignment of polymer based magnetic composites in magnetic field. Progress in Organic Coatings, 2019, 137, 105366.	1.9	4
242	Thermal and Electromagnetic Properties of Polymer Holey Structures Produced by Additive Manufacturing. Polymers, 2020, 12, 2892.	2.0	4
243	The Phosphate-Based Composite Materials Filled with Nano-Sized BaTiO3 and Fe3O4: Toward the Unfired Multiferroic Materials. Materials, 2021, 14, 133.	1.3	4
244	The Performance of Graphene-Enhanced THz Grating: Impact of the Gold Layer Imperfectness. Materials, 2022, 15, 786.	1.3	4
245	QED radiative correction to spin-density matrix elements in exclusive vector meson production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 411-415.	1.5	3
246	Influence of Humidity on Dielectric Properties of PMMA Nanocomposites Containing Onion-Like Carbon. Ferroelectrics, 2009, 391, 131-138.	0.3	3
247	Determination of the free boundary of the lubricant layer of a ferrofluid bearing. Journal of Engineering Physics and Thermophysics, 2011, 84, 422-429.	0.2	3
248	CNT/PMMA Electromagnetic Coating: Effect of Carbon Nanotube Diameter. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 527-530.	1.0	3
249	Mechanical construction and installation of the ATLAS tile calorimeter. Journal of Instrumentation, 2013, 8, T11001-T11001.	0.5	3
250	One-step preparation of multiwall carbon nanotube/silicon hybrids for solar energy conversion. Journal of Nanophotonics, 2015, 10, 012507.	0.4	3
251	Effect of graphene grains size on the microwave electromagnetic shielding effectiveness of graphene/polymer multilayers. Journal of Nanophotonics, 2017, 11, 032511.	0.4	3
252	Electromagnetic properties of chloroprene rubber after long-term ultraviolet ageing, oil immersion and thermal degradation. Materials Research Express, 2019, 6, 075327.	0.8	3

#	Article	IF	Citations
253	Carbon nanotubes vs graphene nanoplatelets for 3D-printable composites. IOP Conference Series: Materials Science and Engineering, 0, 503, 012010.	0.3	3
254	Electromagnetic and optical responses of a composite material comprising individual single-walled carbon-nanotubes with a polymer coating. Scientific Reports, 2020, 10, 9361.	1.6	3
255	Terahertz Optics of Materials with Spatially Harmonically Distributed Refractive Index. Materials, 2020, 13, 5208.	1.3	3
256	THz Spectroscopy as a Versatile Tool for Filler Distribution Diagnostics in Polymer Nanocomposites. Polymers, 2020, 12, 3037.	2.0	3
257	Dielectric Response of Onion-Like Carbon-Based Polymethyl Methacrylate Composites. Journal of Nanoelectronics and Optoelectronics, 2009, 4, 261-266.	0.1	3
258	Electrical impedance sensing of organic pollutants with ultrathin graphitic membranes. Nanotechnology, 2022, 33, 075207.	1.3	3
259	Random Graphene Metasurfaces: Diffraction Theory and Giant Broadband Absorptivity. Physical Review Applied, 2022, 17, .	1.5	3
260	Hysteresis and Stochastic Fluorescence by Aggregated Ensembles of Graphene Quantum Dots. Journal of Physical Chemistry C, 2022, 126, 10469-10477.	1.5	3
261	Electromagnetic response of the composites containing chemically modified carbon nanotubes. Journal of Physics: Conference Series, 2010, 248, 012003.	0.3	2
262	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. Journal of Nanophotonics, 2013, 7, 073595.	0.4	2
263	Electrical conductivity of single-wall carbon nanotube films in strong electric field. Journal of Applied Physics, 2013, 113, 183719.	1.1	2
264	Electromagnetic compatibility in nano-electronics: Manifestation and suppression of quantum crosstalk. , 2015, , .		2
265	Equivalent electrical multiport for quantum systems in entangled states. , 2015, , .		2
266	Electromagnetic properties of periodic carbon architectures at high frequencies. , 2015, , .		2
267	Electrodynamics of Graphene/Polymer Multilayers in the GHz Frequency Domain. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 45-67.	0.2	2
268	Carbon films as perfect electromagnetic wave absorbers and antiâ€reflectors. Micro and Nano Letters, 2017, 12, 312-314.	0.6	2
269	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
270	Comparison of the electrical conductivity of polymer composites in the microwave and terahertz frequency ranges. , 2017, , .		2

#	Article	IF	Citations
271	Effective Carbon Nanotube/Phenol Formaldehyde Resin Based Doubleâ€Layer Absorbers of Microwave Radiation: Design and Modeling. Physica Status Solidi (B): Basic Research, 2018, 255, 1700224.	0.7	2
272	Dielectric Properties of Epoxy Resin Composites Based on Magnetic Nanoparticles. International Journal of Nanoscience, 2019, 18, 1940018.	0.4	2
273	Broadband Dielectric Properties of Fe₂O₃Â·H₂O Nanorods/Epoxy Resin Composites. Journal of Nanomaterials, 2019, 2019, 1-8.	1.5	2
274	Laser Patterning of Aligned Carbon Nanotubes Arrays: Morphology, Surface Structure, and Interaction with Terahertz Radiation. Materials, 2021, 14, 3275.	1.3	2
275	Rapid and delayed effects of single-walled carbon nanotubes in glioma cells. Nanotechnology, 2021, 32, 505103.	1.3	2
276	Saturable absorption and nonlinear refraction in free-standing carbon nanotube film: Theory and experiment. Carbon, 2022, 186, 509-519.	5.4	2
277	FEM Approach to the Robust Design of a Graphene-Based 3D Structure for THz Devices. , 2021, , .		2
278	Quantitative and qualitative analysis of pulmonary arterial hypertension fibrosis using wide-field second harmonic generation microscopy. Scientific Reports, 2022, 12, 7330.	1.6	2
279	Fragmented graphene synthesized on a dielectric substrate for THz applications. Nanotechnology, 2022, 33, 395703.	1.3	2
280	Electromagnetic wave slowing down in graphene bilayer. , 2009, , .		1
281	Carbon onions for electromagnetic applications. , 2010, , .		1
282	Microwave response properties of epoxy resin composites filled with graphitic fillers. , 2014, , .		1
283	Nanodiamond targets for accelerator X-ray experiments. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 261-263.	0.6	1
284	Enhanced electromagnetic properties of ultrathin pyrolytic carbon films in Ka-band. , 2015, , .		1
285	Synthesis of Pyrolytic Carbon Films on Dielectric Substrates. NATO Science for Peace and Security Series B: Physics and Biophysics, 2016, , 227-238.	0.2	1
286	MICROWAVE-ABSORBING PROPERTIES OF PHOSPHATE CERAMICS FILLED WITH CARBON NANOTUBES, BaTiO₃ AND Fe₃O₄. , 2017, , 202-205.		1
287	Ultraâ€thin graphitic carbon film for highâ€power electronics applications. Micro and Nano Letters, 2017, 12, 140-142.	0.6	1
288	Electromagnetic properties of carbon foams. , 2017, , .		1

#	Article	IF	Citations
289	Electromagnetics of carbon: Nano versus micro. , 2019, , 191-204.		1
290	Experimental Observation of Ultrafast THz Absorption Modulation in a Graphene-Based Metasurface. , 2019, , .		1
291	Aqueous tape casting of the 0.7Pb(Mg1/3Nb2/3)O3-0.3PbTiO3 ceramic films: Production optimization and properties. Journal of Electroceramics, 2021, 46, 20-25.	0.8	1
292	Terahertz Absorber with Graphene Enhanced Polymer Hemispheres Array. Nanomaterials, 2021, 11, 2494.	1.9	1
293	Shielding effects in thin films of carbon nanotubes within microwave range. Lithuanian Journal of Physics, 2016, 56, .	0.1	1
294	Onset of Electrical Percolation in Onion-Like Carbon/Poly(methyl methacrylate) Composites. Nanoscience and Nanotechnology Letters, 2013, 5, 1201-1206.	0.4	1
295	Advantages of optical modulation in terahertz imaging for study of graphene layers. Journal of Applied Physics, 2022, 131, .	1.1	1
296	Statics of magnetic fluid drop in channels of various forms. Journal of Magnetism and Magnetic Materials, 1999, 201, 328-331.	1.0	0
297	Effectiveness of microwave electromagnetic shielding in carbon based epoxy nanocomposites. , 2010, , .		0
298	Effective conductivity of a composite material containing carbon nanotubes in the GHz and THz frequency ranges. , 2011, , .		0
299	Epoxy — Nano-carbon shielding coating for super-high-frequency range. , 2011, , .		0
300	Electromagnetic response of polymer composites with quasi-spherical nanocarbon inclusions: theory below the percolation threshold. Journal of Polymer Engineering, 2011, 31, .	0.6	0
301	Equivalent electric circuits for the comparison of nanocarbon-based epoxy resin systems. , 2012, , .		0
302	Nanocarbon broadband analysis, temperature dependent dielectric properties and percolation thresholds. , 2013, , .		0
303	Finite-size effects in the optical properties of single walled carbon nanotube films. , 2013, , .		0
304	Single walled carbon nanotubes films: Strong electric field induced nonlinear effects in electrical conductivity. , 2013, , .		0
305	MULTILAYERED GRAPHENE IN MICROWAVES. , 2013, , .		0
306	Transport mechanisms and dielectric relaxation of epoxy nanocomposites in DC to microwave range. , 2013, , .		0

#	Article	IF	Citations
307	Carbon foams, nano-thin carbonaceous films and nanocarbon based polymer composites: Microwave applications. , 2013, , .		0
308	Carbon nanotubes and carbon onions for modification of styrene-acrylate copolymer based nanocomposites. , 2014, , .		0
309	Challenges and Perspectives of Nanoelectromagnetics in the THz Range. , 2015, , .		0
310	Antenna resonances in carbon nanotubes: Theoretical model and experimental verification. , 2015, , .		0
311	Tannin-based carbon foams in microwave frequency range: Toward fully carbon photonic crystal. , 2015, , .		0
312	Electromagnetic Characteristics of Thin Polyethylene-Carbon-Polyethylene Films. Russian Physics Journal, 2015, 58, 629-634.	0.2	0
313	Quantum entanglement in electric circuits: From anomalous crosstalk to electromagnetic compatibility in nano-electronics. , 2016, , .		0
314	Microwave Absorption in Graphene Films: Theory and Experiment. Journal of Applied Spectroscopy, 2016, 83, 650-655.	0.3	0
315	Carbon thin films as effective absorbers of microwave radiation: Experiment and EMC applications. , 2017, , .		0
316	Tunable electromagnetic response of free-standing 3D carbon nanotube network in the Ka-band. , 2017, , .		0
317	Low frequency noise spectroscopy of multi-walled carbon nanotubes composites. , 2017, , .		0
318	THz and microwave properties of 3D-printed nanocarbon based multilayers. , 2017, , .		0
319	Carbon based ultralight microwave shields. , 2017, , .		0
320	Bridging between integral equation technique of classical electrodynamics and landauer-buttiker formalism for quantum transport. , 2017, , .		0
321	Electrodynamics of graphene heterostructures and electromagnetic applications. , 2018, , .		0
322	Structural Modification of Graphene on Copper Substrates Irradiated by Nanosecond High-Intensity Ion Beams. Russian Physics Journal, 2018, 61, 1443-1449.	0.2	0
323	Demonstration of Ultrafast THz Absorption Modulation in a Graphene-Based Thin Absorber. , 2019, , .		0
324	Graphene THz Metasurfaces with Photoinduced Modulation. , 2019, , .		0

#	Article	IF	Citations
325	ENHANCED SLOWING DOWN OF ELECTROMAGNETIC WAVES IN MULTI-WALL CARBON NANOTUBES. , 2009, , .		0
326	ELECTRICAL PROPERTIES AND ELECTROMAGNETIC SHIELDING EFFECTIVENESS OF EPOXY/SWCNT COMPOSITES. , 2011, , .		0
327	MICROWAVE ABSORPTION IN PYROLYTIC CARBON NANOFILMS: EXPERIMENT AND MODELLING. , 2013, , .		0
328	Window tinting films for microwave absorption and terahertz applications. Journal of Applied Physics, 2022, 131, 025110.	1.1	0
329	Characterization of Individual Hollow Spheres Metaatoms in Microwaves. , 2021, , .		0