

Xiaopeng Zhao

List of Publications by Year in descending order

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331
papers

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citations

47006

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times ranked

6289
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of EEG-based brain-computer interface paradigms. <i>Journal of Neural Engineering</i> , 2019, 16, 011001.	3.5	512
2	Ultra-thin broadband metamaterial absorber. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 19-24.	2.3	163
3	Electrorheological fluids based on nano-fibrous polyaniline. <i>Polymer</i> , 2008, 49, 4413-4419.	3.8	159
4	Local analysis of co-dimension-one and co-dimension-two grazing bifurcations in impact microactuators. <i>Physica D: Nonlinear Phenomena</i> , 2005, 202, 238-257.	2.8	123
5	Polyaniline decorated graphene sheet suspension with enhanced electrorheology. <i>Soft Matter</i> , 2012, 8, 294-297.	2.7	121
6	Enhanced electrorheology of suspensions containing sea-urchin-like hierarchical Cr-doped titania particles. <i>Soft Matter</i> , 2009, 5, 4687.	2.7	120
7	Spectral and complexity analysis of scalp EEG characteristics for mild cognitive impairment and early Alzheimer's disease. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 114, 153-163.	4.7	120
8	Perfect Absorber Metamaterial for Designing Low-RCS Patch Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 1473-1476.	4.0	119
9	Two-dimensional acoustic metamaterial with negative modulus. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	118
10	Coaxial cable-like polyaniline@titania nanofibers: facile synthesis and low power electrorheological fluid application. <i>Journal of Materials Chemistry</i> , 2010, 20, 7096.	6.7	118
11	A reduced-order model for electrically actuated microplates. <i>Journal of Micromechanics and Microengineering</i> , 2004, 14, 900-906.	2.6	112
12	Conductivity and polarization of carbonaceous nanotubes derived from polyaniline nanotubes and their electrorheology when dispersed in silicone oil. <i>Carbon</i> , 2010, 48, 2958-2967.	10.3	105
13	Metamaterial absorber with dendritic cells at infrared frequencies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2382.	2.1	104
14	Microwave-synthesized poly(ionic liquid) particles: a new material with high electrorheological activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9812-9819.	10.3	101
15	Human impact on the diversity and virulence of the ubiquitous zoonotic parasite <i>Toxoplasma gondii</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6956-E6963.	7.1	99
16	Fabrication of Infrared Left-Handed Metamaterials via Double Template-Assisted Electrochemical Deposition. <i>Advanced Materials</i> , 2008, 20, 2050-2054.	21.0	98
17	Cloud-ECG for real time ECG monitoring and analysis. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 110, 253-259.	4.7	95
18	Titanate nano-whisker electrorheological fluid with high suspended stability and ER activity. <i>Nanotechnology</i> , 2006, 17, 192-196.	2.6	85

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19	Planar isotropic broadband metamaterial absorber. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	81
20	Electrorheological properties of a polyaniline@montmorillonite clay nanocomposite suspension. <i>Journal of Materials Chemistry</i> , 2002, 12, 2603-2605.	6.7	76
21	Multiple Pass-Band Optical Left-Handed Metamaterials Based on Random Dendritic Cells. <i>Advanced Functional Materials</i> , 2008, 18, 3523-3528.	14.9	76
22	Optical metamaterial absorber based on leaf-shaped cells. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 102, 147-151.	2.3	76
23	High-efficiency broadband and multiband cross-polarization conversion using chiral metamaterial. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 505104.	2.8	75
24	The electrorheological effect and dielectric properties of suspensions containing polyaniline@titania nanocable-like particles. <i>Soft Matter</i> , 2011, 7, 10978.	2.7	72
25	Monodisperse spherical mesoporous Eu-doped TiO ₂ phosphor particles and the luminescence properties. <i>Applied Physics Letters</i> , 2007, 90, 113112.	3.3	71
26	Electrorheology of nanofiber suspensions. <i>Nanoscale Research Letters</i> , 2011, 6, 256.	5.7	71
27	Preparation and enhanced electro-responsive characteristic of reduced graphene oxide/polypyrrole composite sheet suspensions. <i>Soft Matter</i> , 2013, 9, 7468.	2.7	68
28	Magnetic control of negative permeability metamaterials based on liquid crystals. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	67
29	The electrorheological effect of polyaniline nanofiber, nanoparticle and microparticle suspensions. <i>Smart Materials and Structures</i> , 2009, 18, 095007.	3.5	66
30	Manipulation of transmitted wave front using ultrathin planar acoustic metasurfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1283-1289.	2.3	62
31	Unfolding degenerate grazing dynamics in impact actuators. <i>Nonlinearity</i> , 2006, 19, 399-418.	1.4	61
32	Well-organized 3D urchin-like hierarchical TiO ₂ microspheres with high photocatalytic activity. <i>Journal of Materials Science</i> , 2012, 47, 1436-1445.	3.7	61
33	Modeling and simulation methodology for impact microactuators. <i>Journal of Micromechanics and Microengineering</i> , 2004, 14, 775-784.	2.6	60
34	Core/Shell Nanocomposite Based on the Local Polarization and Its Electrorheological Behavior. <i>Langmuir</i> , 2005, 21, 6553-6559.	3.5	59
35	Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2015, 7, 258-265.	2.7	58
36	A numerical method for designing acoustic cloak with homogeneous metamaterials. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	57

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37	Multibands of negative refractive indexes in the left-handed metamaterials with multiple dendritic structures. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	56
38	Bottom-up fabrication methods of optical metamaterials. <i>Journal of Materials Chemistry</i> , 2012, 22, 9439.	6.7	55
39	Electrorheological properties of titanate nanotube suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 329, 153-160.	4.7	54
40	A frequency-tunable 90°-polarization rotation device using composite chiral metamaterials. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	54
41	The anomalous manipulation of acoustic waves based on planar metasurface with split hollow sphere. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 045303.	2.8	54
42	Microwave-assisted synthesis and high-performance anhydrous electrorheological characteristic of monodisperse poly(ionic liquid) particles with different size of cation/anion parts. <i>Polymer</i> , 2016, 97, 408-417.	3.8	54
43	Influence of Side Chain Sizes on Dielectric and Electrorheological Responses of Poly(ionic liquid)s. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6226-6237.	2.6	53
44	Wet-Chemical Preparation of TiO ₂ -Based Composites with Different Morphologies and Photocatalytic Properties. <i>Nanomaterials</i> , 2017, 7, 310.	4.1	53
45	Enhanced dielectric polarization and electro-responsive characteristic of graphene oxide-wrapped titania microspheres. <i>Nanotechnology</i> , 2014, 25, 045702.	2.6	52
46	Temperature effect of rare earth-doped TiO ₂ electrorheological fluids. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 2063-2067.	2.8	50
47	Graphene-supported carbonaceous dielectric sheets and their electrorheology. <i>Carbon</i> , 2012, 50, 5247-5255.	10.3	49
48	Double-negative acoustic metamaterial based on meta-molecule. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 475105.	2.8	48
49	Co-dimension-Two Grazing Bifurcations in Single-Degree-of-Freedom Impact Oscillators. <i>Journal of Computational and Nonlinear Dynamics</i> , 2006, 1, 328-335.	1.2	46
50	Graphene-based terahertz metasurface with tunable spectrum splitting. <i>Optics Letters</i> , 2016, 41, 3799.	3.3	46
51	Pickering emulsion polymerization of poly(ionic liquid)s encapsulated nano-SiO ₂ composite particles with enhanced electro-responsive characteristic. <i>Polymer</i> , 2018, 146, 109-119.	3.8	46
52	Double-negative acoustic metamaterial based on hollow steel tube meta-atom. <i>Journal of Applied Physics</i> , 2013, 113, 104902.	2.5	45
53	A Systematic Review of Robotic Rehabilitation for Cognitive Training. <i>Frontiers in Robotics and AI</i> , 2021, 8, 605715.	3.2	45
54	A new approach of enhancing the shear stress of electrorheological fluids of montmorillonite nanocomposite by emulsion intercalation of poly-N-methaniline. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 651-657.	9.4	44

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55	Near-grazing dynamics in tapping-mode atomic-force microscopy. <i>International Journal of Non-Linear Mechanics</i> , 2007, 42, 697-709.	2.6	44
56	The influence of body mass index and velocity on knee biomechanics during walking. <i>Gait and Posture</i> , 2013, 37, 575-579.	1.4	44
57	Au or Ag nanoparticle-decorated 3D urchin-like TiO ₂ nanostructures: Synthesis, characterization, and enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2013, 403, 22-28.	9.4	43
58	Enhanced temperature effect of electrorheological fluid based on cross-linked poly(ionic liquid) particles: rheological and dielectric relaxation studies. <i>Soft Matter</i> , 2017, 13, 1027-1039.	2.7	43
59	Negative-zero-positive metamaterial with omega-type metal inclusions. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	42
60	90° polarization rotator with rotation angle independent of substrate permittivity and incident angles using a composite chiral metamaterial. <i>Optics Express</i> , 2013, 21, 7439.	3.4	42
61	Temperature effect of electrorheological fluids based on polyaniline derived carbonaceous nanotubes. <i>Smart Materials and Structures</i> , 2011, 20, 015002.	3.5	41
62	Highly stable and AC electric field-activated electrorheological fluid based on mesoporous silica-coated graphene nanosheets. <i>Soft Matter</i> , 2013, 9, 3910.	2.7	41
63	Resting EEG Discrimination of Early Stage Alzheimer's Disease from Normal Aging Using Inter-Channel Coherence Network Graphs. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1233-1242.	2.5	41
64	Tuning Up the Old Brain with New Tricks: Attention Training via Neurofeedback. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 52.	3.4	40
65	Mechanical behavior of starch/silicone oil/silicone rubber hybrid electric elastomer. <i>Reactive and Functional Polymers</i> , 2009, 69, 165-169.	4.1	38
66	Oleophilicity and the strong electrorheological effect of surface-modified titanium oxide nano-particles. <i>Smart Materials and Structures</i> , 2007, 16, 332-339.	3.5	37
67	Preparation and enhanced electro-responsive characteristic of graphene/layered double-hydroxide composite dielectric nanoplates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10386-10394.	5.5	37
68	Graphene oxide vs. reduced graphene oxide as core substrate for core/shell-structured dielectric nanoplates with different electro-responsive characteristics. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5098-5108.	5.5	37
69	Reflected wavefronts modulation with acoustic metasurface based on double-split hollow sphere. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 487-493.	2.3	37
70	Double bands of negative refractive index in the left-handed metamaterials with asymmetric defects. <i>Applied Physics Letters</i> , 2007, 90, 011911.	3.3	36
71	Ultrathin skin cloaks with metasurfaces for audible sound. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 225302.	2.8	36
72	Enhancing electrorheological behaviors with formation of β -cyclodextrin supramolecular complex. <i>Polymer</i> , 2003, 44, 4519-4526.	3.8	35

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73	An agent-based model for the transmission dynamics of <i>Toxoplasma gondii</i> . <i>Journal of Theoretical Biology</i> , 2012, 293, 15-26.	1.7	34
74	Influence of counterion type on dielectric and electrorheological responses of poly(ionic liquid)s. <i>Polymer</i> , 2017, 132, 273-285.	3.8	34
75	Investigation of Circularly Polarized Patch Antenna With Chiral Metamaterial. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013, 12, 1359-1362.	4.0	33
76	Electrorheological behaviors of barium titanate/gelatin composite hydrogel elastomers. <i>Journal of Applied Polymer Science</i> , 2004, 94, 2517-2521.	2.6	32
77	Meta-atom cluster acoustic metamaterial with broadband negative effective mass density. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	32
78	Discrimination of Mild Cognitive Impairment and Alzheimer's Disease Using Transfer Entropy Measures of Scalp EEG. <i>Journal of Healthcare Engineering</i> , 2015, 6, 55-70.	1.9	32
79	Enhancing Electroresponsive Electrorheological Effect and Temperature Dependence of Poly(ionic liquid)s. <i>Journal of Applied Physics</i> , 2017, 123, 1.	3.5	32
80	A visible metamaterial fabricated by self-assembly method. <i>Scientific Reports</i> , 2014, 4, 4713.	3.3	31
81	Linear polarization to left/right-handed circular polarization conversion using ultrathin planar chiral metamaterials. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	31
82	Dual-Frequency and Broadband Circular Patch Antennas With a Monopole-Type Pattern Based on Epsilon-Negative Transmission Line. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 442-445.	4.0	30
83	Soft and broadband infrared metamaterial absorber based on gold nanorod/liquid crystal hybrid with tunable total absorption. <i>Scientific Reports</i> , 2015, 5, 16698.	3.3	30
84	In Silico Investigation into Cellular Mechanisms of Cardiac Alternans in Myocardial Ischemia. <i>Computational and Mathematical Methods in Medicine</i> , 2016, 2016, 1-9.	1.3	30
85	Electrorheological Properties of Suspensions Based on Polyaniline-montmorillonite Clay Nanocomposite. <i>Journal of Materials Research</i> , 2002, 17, 1513-1519.	2.6	29
86	Preparation of montmorillonite/titania nanocomposite and enhanced electrorheological activity. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 131-140.	9.4	29
87	Period-Doubling Bifurcation to Alternans in Paced Cardiac Tissue: Crossover from Smooth to Border-Collision Characteristics. <i>Physical Review Letters</i> , 2007, 99, 058101.	7.8	29
88	Metamaterial absorber with random dendritic cells. <i>EPL Applied Physics</i> , 2010, 50, 21101.	0.7	29
89	Low-Temperature Interfacial Polymerization and Enhanced Electroresponsive Characteristic of Poly(ionic liquid)s@polyaniline Core-shell Microspheres. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1800351.	3.9	29
90	Wormhole-like mesoporous Ce-doped TiO ₂ : a new electrorheological material with high activity. <i>Journal of Materials Chemistry</i> , 2003, 13, 689-695.	6.7	27

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91	Low losses left-handed materials with optimized electric and magnetic resonance. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 643-649.	2.3	27
92	Anomalous Manipulation of Acoustic Wavefront With an Ultrathin Planar Metasurface. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016, 138, .	1.6	27
93	Performing differential operation with a silver dendritic metasurface at visible wavelengths. <i>Optics Express</i> , 2017, 25, 26417.	3.4	27
94	Interfacial Polarization and Electroresponsive Electrorheological Effect of Anionic and Cationic Poly(ionic liquids). <i>ACS Applied Polymer Materials</i> , 2019, 1, 2862-2874.	4.4	27
95	Negative-Zero-Positive Refractive Index in a Prism-Like Omega-Type Metamaterial. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 2566-2573.	4.6	26
96	Numerical demonstration of a three-dimensional negative-index metamaterial at optical frequencies. <i>Optics Express</i> , 2011, 19, 289.	3.4	26
97	Characterization of English ivy (<i>Hedera helix</i>) adhesion force and imaging using atomic force microscopy. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1029-1037.	1.9	26
98	Dendritic wideband metamaterial absorber based on resistance film. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1559-1563.	2.3	26
99	Nonmonotonic Influence of Size of Quaternary Ammonium Counterions on Micromorphology, Polarization, and Electroresponse of Anionic Poly(ionic liquid)s. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2920-2929.	2.6	25
100	Enhanced electroluminescence of ZnO nanocrystalline annealing from mesoporous precursors. <i>Solid State Communications</i> , 2006, 140, 18-22.	1.9	24
101	Reconstruction of physiological signals using iterative retraining and accumulated averaging of neural network models. <i>Physiological Measurement</i> , 2011, 32, 661-675.	2.1	24
102	Enhanced Stimuli-Responsive Electrorheological Property of Poly(ionic liquid)s-Capsulated Polyaniline Particles. <i>Polymers</i> , 2017, 9, 385.	4.5	24
103	Preparation and electrorheological characteristics of β -cyclodextrin-epichlorohydrin-starch polymer suspensions. <i>Journal of Applied Polymer Science</i> , 2004, 93, 1681-1686.	2.6	23
104	Characterization of Intermittent Contact in Tapping-Mode Atomic Force Microscopy. <i>Journal of Computational and Nonlinear Dynamics</i> , 2006, 1, 109-115.	1.2	23
105	Electrorheological properties of inclusive complex of β -cyclodextrin polymer. <i>Materials Letters</i> , 2002, 57, 615-618.	2.6	22
106	Preparation of kaolinite/titania coated nanocomposite particles and their electrorheological properties. <i>Journal of Materials Chemistry</i> , 2003, 13, 2248.	6.7	22
107	Synthesis and electrorheological activity of a modified kaolinite/carboxymethyl starch hybrid nanocomposite. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2833-2839.	2.6	22
108	Matrix of regularity for improving the quality of ECGs. <i>Physiological Measurement</i> , 2012, 33, 1535-1548.	2.1	22

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109	Agricultural landscape and spatial distribution of <i>Toxoplasma gondii</i> in rural environment: an agent-based model. <i>International Journal of Health Geographics</i> , 2014, 13, 45.	2.5	22
110	Electroresponsive Behavior of Gelatin/Alginate Semi-interpenetrating Polymer Network Membranes Under Direct Current Electric Field. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 345-354.	2.2	21
111	U-shaped multi-band negative-index bulk metamaterials with low loss at visible frequencies. <i>Physica Scripta</i> , 2011, 84, 035402.	2.5	21
112	Metamaterial optical refractive index sensor detected by the naked eye. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	21
113	Distinctly Different Electroresponsive Electrorheological Effect in Low-Molecular-Weight and Polymerized Ionic Liquids: Rheological and Dielectric Relaxation Studies. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12184-12193.	2.6	21
114	Adhesion mechanics of ivy nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010, 344, 533-540.	9.4	20
115	Acoustic metamaterial based on multi-split hollow spheres. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 533-541.	2.3	20
116	Highly stable nanofluid based on polyhedral oligomeric silsesquioxane-decorated graphene oxide nanosheets and its enhanced electro-responsive behavior. <i>Nanotechnology</i> , 2016, 27, 195702.	2.6	20
117	Spatiotemporal Evolution and Prediction of $[Ca^{2+}]_i$ and APD Alternans in Isolated Rabbit Hearts. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1287-1295.	1.7	19
118	Modeling effective transmission pathways and control of the world's most successful parasite. <i>Theoretical Population Biology</i> , 2013, 86, 50-61.	1.1	19
119	Hydrothermal synthesis of $Y_2O_3:Eu^{3+}$ nanorods and its growth mechanism and luminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5628-5634.	2.2	19
120	Topological Luminophor $Y_2O_3:Eu^{3+}Ag$ with High Electroluminescence Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2328-2335.	8.0	19
121	A Usability Study of Low-Cost Wireless Brain-Computer Interface for Cursor Control Using Online Linear Model. <i>IEEE Transactions on Human-Machine Systems</i> , 2020, 50, 287-297.	3.5	19
122	Two roles of guest and crosslinked degree on hydrosoluble β -cyclodextrin polymer electrorheological fluids. <i>Polymer</i> , 2004, 45, 1609-1615.	3.8	18
123	Control of Impact Microactuators for Precise Positioning. <i>Journal of Computational and Nonlinear Dynamics</i> , 2006, 1, 65-70.	1.2	18
124	Metamaterials with dendriticlike structure at infrared frequencies. <i>Applied Physics Letters</i> , 2007, 90, 191904.	3.3	18
125	Indeterminacy of spatiotemporal cardiac alternans. <i>Physical Review E</i> , 2008, 78, 011902.	2.1	18
126	The Effect of Dielectric Polarization Rate Difference of Filler and Matrix on the Electrorheological Responses of Poly(ionic liquid)/Polyaniline Composite Particles. <i>Polymers</i> , 2020, 12, 703.	4.5	18

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127	Improved Electrorheological Polishing Property of Poly(Ionic Liquid)/Al ₂ O ₃ Composite Particles Prepared via Pickering Emulsion Polymerization. ACS Applied Polymer Materials, 2021, 3, 5778-5787.	4.4	18
128	Facile synthesis and the sensitized luminescence of europium ions-doped titanate nanowires. Materials Chemistry and Physics, 2009, 114, 561-568.	4.0	17
129	Improving the Critical Temperature of MgB ₂ Superconducting Metamaterials Induced by Electroluminescence. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1159-1162.	1.8	17
130	Critical Temperature of Smart Meta-superconducting MgB ₂ . Journal of Superconductivity and Novel Magnetism, 2017, 30, 1405-1411.	1.8	17
131	Chirality-Assisted Aharonovâ€“Anandan Geometric-Phase Metasurfaces for Spin-Decoupled Phase Modulation. ACS Photonics, 2021, 8, 1847-1855.	6.6	17
132	Electrorheological activity of a composite of titania-coated montmorillonite. Journal of Materials Chemistry, 2003, 13, 1529.	6.7	16
133	Mechanical and electrical properties of hydrous electrorheological elastomers based on gelatin/glycerin/water hybrid. Journal of Applied Polymer Science, 2007, 104, 1738-1743.	2.6	16
134	Tunable Acoustic Metasurface with High-Q Spectrum Splitting. Materials, 2018, 11, 1976.	2.9	16
135	Reconfigurable topological transition in acoustic metamaterials. Physical Review B, 2020, 102, .	3.2	16
136	Alternate pacing of border-collision period-doubling bifurcations. Nonlinear Dynamics, 2007, 50, 733-742.	5.2	15
137	Giant enhanced infrared and orange emissions of ZnO nanoparticles induced by rich oxygen atmosphere. Solid State Communications, 2008, 147, 447-451.	1.9	15
138	Conductivity, polarization and electrorheological activity of polyaniline nanotubes during thermo-oxidative treatment. Polymer Degradation and Stability, 2012, 97, 2356-2363.	5.8	15
139	Automatic detection of ECG electrode misplacement: a tale of two algorithms. Physiological Measurement, 2012, 33, 1549-1561.	2.1	15
140	Surface plasmon induced photoluminescence enhancement in the Auâ€“ZnS nanocomposite. Optical Materials, 2013, 35, 2551-2555.	3.6	15
141	Zero Index Metamaterial for Designing High-Gain Patch Antenna. International Journal of Antennas and Propagation, 2013, 2013, 1-12.	1.2	15
142	Influence of geometry of mobile counterions on conductivity, polarization and electrorheological effect of polymeric anionic liquids at ice point temperature. Polymer, 2020, 205, 122826.	3.8	15
143	Broadband omnidirectional patch antenna with horizontal gain enhanced by nearâ€“zeroâ€“index metamaterial cover. IET Microwaves, Antennas and Propagation, 2020, 14, 671-676.	1.4	15
144	Electromechanochemical Behavior of Gelatin Hydrogel Under Electric Field. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 51-59.	2.2	14

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145	Magnetic response of dendritic structures at infrared frequencies. <i>Solid State Communications</i> , 2006, 140, 9-13.	1.9	14
146	Plasmon-enhanced photoluminescence from $\text{TiO}_2:\text{Sm}^{3+}:\text{Au}$ nanostructure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2583-2588.	1.8	14
147	Evolutionary game theoretic strategy for optimal drug delivery to influence selection pressure in treatment of HIV-1. <i>Journal of Mathematical Biology</i> , 2012, 64, 495-512.	1.9	14
148	Ultrathin planar chiral metasurface for controlling gradient phase discontinuities of circularly polarized waves. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 365301.	2.8	14
149	Silicone-grafted carbonaceous nanotubes with enhanced dispersion stability and electrorheological efficiency. <i>Nanotechnology</i> , 2015, 26, 065704.	2.6	14
150	Beam steering by using a gradient refractive index metamaterial planar lens and a gradient phase metasurface planar lens. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 330-337.	1.4	14
151	Ion transport, polarization and electro-responsive electrorheological effect of self-crosslinked poly(ionic liquid)s with different counterions. <i>Polymer</i> , 2019, 177, 149-159.	3.8	14
152	Synthesis and characterization of mesoporous zinc sulfide by surfactant-assisted templating process. <i>Materials Letters</i> , 2006, 60, 2896-2899.	2.6	13
153	Control of pore radius regulation for electroporation-based drug delivery. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010, 15, 1400-1407.	3.3	13
154	Hollow $\text{TiO}_2:\text{Sm}^{3+}$ spheres with enhanced photoluminescence fabricated by a facile method using polystyrene as template. <i>Journal of Materials Science</i> , 2013, 48, 5483-5488.	3.7	13
155	A Naked Eye Refractive Index Sensor with a Visible Multiple Peak Metamaterial Absorber. <i>Sensors</i> , 2015, 15, 7454-7461.	3.8	13
156	High-Q Fano Resonances in Asymmetric and Symmetric All-Dielectric Metasurfaces. <i>Plasmonics</i> , 2017, 12, 1431-1438.	3.4	13
157	Circular-Polarization-Selective Transmission Induced by Spin-Orbit Coupling in a Helical Tape Waveguide. <i>Physical Review Applied</i> , 2018, 9, .	3.8	13
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