Ji Zhou

List of Publications by Year in Descending Order

210 papers	4,869 citations	37 h-index	62 g-index
217 ext. papers	5,643 ext. citations	4.6 avg, IF	5.73 L-index

#	Paper	IF	Citations
210	Miniaturization of dielectric ceramic-based metamaterial perfect absorber. *Applied Physics Letters*, **2022**, 120, 013502	3.4	1
209	Ceramic-based dielectric metamaterials **2022**, 1, 11-27		3
208	A novel approach for designing efficient broadband photodetectors expanding from deep ultraviolet to near infrared.. *Light: Science and Applications*, **2022**, 11, 91	16.7	13
207	Molecular Conformation Engineering To Achieve Longer and Brighter Deep Red/Near-Infrared Emission in Crystalline State. *Journal of Physical Chemistry Letters*, **2022**, 13, 4754-4761	6.4	0
206	Smoothing method to directly denoise terahertz signals in rare-earth orthoferrite antiferromagnets. *Journal of the American Ceramic Society*, **2021**, 104, 3325-3333	3.8	0
205	Rare Earth Orthoferrite Tuning of Transmitted Waves as Natural Metamaterials. *ACS Applied Materials & Interfaces*, **2021**, 13, 23884-23893	9.5	0
204	Numerically Denoising Thermally Tunable and Thickness-Dependent Terahertz Signals in ErFeO3 Based on B□ier Curves and B-Splines. *Annalen Der Physik*, **2021**, 533, 2000464	2.6	1
203	Adaptive Cylindrical Wireless Metasurfaces in Clinical Magnetic Resonance Imaging. *Advanced Materials*, **2021**, 33, e2102469	24	4
202	Terahertz Polarization Conversion in an Electromagnetically Induced Transparency (EIT)-Like Metamaterial. *Annalen Der Physik*, **2021**, 533, 2000528	2.6	7
201	Analyses of Electric Field-Induced Phase Transformation by Luminescence Study in Eu-doped (Na, K)BiTiO Ceramics. *Materials*, **2020**, 13,	3.5	1
200	Tunable dielectric metamaterial based on strontium titanate artificial atoms. *Scripta Materialia*, **2020**, 184, 30-33	5.6	10
199	A metasurface absorber based on the slow-wave effect. *AIP Advances*, **2020**, 10, 045311	1.5	9
198	Quantitative analyses of electric field□induced phase transition in (Na, K)0.5Bi0.5TiO3:Eu ceramics by photoluminescence. *Journal of the American Ceramic Society*, **2020**, 103, 2296-2301	3.8	2
197	High-efficiency cross-polarization conversion metamaterial using spiral split-ring resonators. *AIP Advances*, **2020**, 10, 095210	1.5	2
196	Energy Band Attraction Effect in Non-Hermitian Systems. *Physical Review Letters*, **2020**, 125, 137703	7.4	3
195	Tunable ferrite-dielectric metamolecule with Fano resonance. *AIP Advances*, **2019**, 9, 055325	1.5	1
194	Highly Efficient Active All-Dielectric Metasurfaces Based on Hybrid Structures Integrated with Phase-Change Materials: From Terahertz to Optical Ranges. *ACS Applied Materials & Interfaces*, **2019**, 11, 14229-14238	9.5	18

193	Thermally tunable asymmetric metamolecule. *Applied Physics Letters*, **2019**, 114, 082901	3.4	2
192	Fabrication of dimension controlled BiFeO3 microcrystal. *Modern Physics Letters B*, **2019**, 33, 1950125	1.6	
191	A Novel Bi2MoO6/ZIF-8 Composite for Enhanced Visible Light Photocatalytic Activity. *Nanomaterials*, **2019**, 9,	5.4	12
190	Asymmetric Transmission in a Mie-Based Dielectric Metamaterial with Fano Resonance. *Materials*, **2019**, 12,	3.5	8
189	Toroidal Dipole Resonances in All-Dielectric Oligomer Metasurfaces. *Advanced Theory and Simulations*, **2019**, 2, 1900123	3.5	22
188	Phase-Modulated Scattering Manipulation for Exterior Cloaking in Metal-Dielectric Hybrid Metamaterials. *Advanced Materials*, **2019**, 31, e1903206	24	19
187	Tunable thermo-stable microwave filter using dielectric metamolecule. *Applied Physics Letters*, **2019**, 114, 232904	3.4	
186	Trapped-Mode-Induced Giant Magnetic Field Enhancement in All-Dielectric Metasurfaces. *Journal of Physical Chemistry C*, **2019**, 123, 28887-28892	3.8	6
185	Designing electromechanical metamaterial with full nonzero piezoelectric coefficients. *Science Advances*, **2019**, 5, eaax1782	14.3	21
184	Artificial Generation of High Harmonics via Nonrelativistic Thomson Scattering in Metamaterial. *Research*, **2019**, 2019, 1-10	7.8	4
183	Artificial Generation of High Harmonics via Nonrelativistic Thomson Scattering in Metamaterial. *Research*, **2019**, 2019, 8959285	7.8	14
182	Terahertz transmission of square-particle and rod structured TbFeO3 metamaterials. *Materials Letters*, **2019**, 234, 66-68	3.3	5
181	Tailoring Nanohole Plasmonic Resonance with Light-Responsive Azobenzene Compound. *ACS Applied Materials & Interfaces*, **2019**, 11, 2254-2263	9.5	7
180	Enhanced thermal expansion by micro-displacement amplifying mechanical metamaterial. *MRS Advances*, **2018**, 3, 405-410	0.7	1
179	Unipolar photonic memristive-like nonlinear switching in split-ring resonator based metamaterials. *Current Applied Physics*, **2018**, 18, 447-451	2.6	
178	Mechanical metamaterials associated with stiffness, rigidity and compressibility: A brief review. *Progress in Materials Science*, **2018**, 94, 114-173	42.2	334
177	Magnetically tunable Fano resonance with enhanced nonreciprocity in a ferrite-dielectric metamolecule. *Applied Physics Letters*, **2018**, 112, 174103	3.4	6
176	Multi-Stable Mechanical Structural Materials. *Advanced Engineering Materials*, **2018**, 20, 1700599	3.5	13

175	Enhanced Visible Light Driven Photocatalytic Behavior of BiFeO3/Reduced Graphene Oxide Composites. *Nanomaterials*, **2018**, 8,	5.4	44
174	A Modularized and Switchable Component for Flexible Passive Device: Terahertz Photonic Crystals with Fine-Tuning. *Advanced Optical Materials*, **2018**, 6, 1800384	8.1	5
173	Transient characters of the unity reflection phenomenon in all-dielectric magnetic metamaterials. *OSA Continuum*, **2018**, 1, 634	1.4	2
172	Ultrathin Hydrogen Diffusion Cloak. *Advanced Theory and Simulations*, **2018**, 1, 1700004	3.5	4
171	Fabrication of Novel ZIF-8@BiVO4 Composite with Enhanced Photocatalytic Performance. *Crystals*, **2018**, 8, 432	2.3	15
170	Dielectric Environment Manipulation toward Versatile Light Scattering of High Refractive Index Nanoparticles. *Journal of Physical Chemistry C*, **2018**, 122, 26177-26188	3.8	1
169	3D direct writing of terahertz metamaterials based on TbFeO3 dielectric ceramics. *Applied Physics Letters*, **2018**, 113, 081901	3.4	6
168	Enhanced visible-active photocatalytic behaviors observed in Mn-doped BiFeO3. *Modern Physics Letters B*, **2018**, 32, 1850185	1.6	6
167	Permanent magnetic ferrite based power-tunable metamaterials. *Journal of Magnetism and Magnetic Materials*, **2017**, 436, 57-60	2.8	4
166	Magnetically coupled Fano resonance of dielectric pentamer oligomer. *Journal Physics D: Applied Physics*, **2017**, 50, 275002	3	5
165	Temperature-Controlled Chameleonlike Cloak. *Physical Review X*, **2017**, 7,	9.1	15
164	Poynting vector analysis for wireless power transfer between magnetically coupled coils with different loads. *Scientific Reports*, **2017**, 7, 741	4.9	7
163	Effects of reversed arrangement of electrodes on electrospun nanofibers. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	1
162	Fano resonance in a subwavelength Mie-based metamolecule with split ring resonator. *Applied Physics Letters*, **2017**, 110, 254101	3.4	4
161	Artificial Nonlinearity Generated from Electromagnetic Coupling Metamolecule. *Physical Review Letters*, **2017**, 118, 167401	7.4	20
160	Microwave Tunable Metamaterial Based on Semiconductor-to-Metal Phase Transition. *Scientific Reports*, **2017**, 7, 5773	4.9	17
159	Dielectric meta-atom with tunable resonant frequency temperature coefficient. *Scientific Reports*, **2017**, 7, 2566	4.9	0
158	A Mie resonant antenna with high sensitivity for force and strain measurement. *Scientific Reports*, **2017**, 7, 4615	4.9	4

157	Flexible, all-dielectric metasurface fabricated via nanosphere lithography and its applications in sensing. *Optics Express*, **2017**, 25, 22038-22045	3.3	22
156	Photocatalytic Performance of a Novel MOF/BiFeO□Composite. *Materials*, **2017**, 10,	3.5	20
155	Metamaterial perfect absorber based on artificial dielectric "atoms". *Optics Express*, **2016**, 24, 20454-60	3.3	47
154	Dual band metamaterial perfect absorber based on artificial dielectric "molecules". *Scientific Reports*, **2016**, 6, 28906	4.9	41
153	Precise identification of Dirac-like point through a finite photonic crystal square matrix. *Scientific Reports*, **2016**, 6, 36712	4.9	7
152	Imitation of ancient black-glazed Jian bowls (Yohen Tenmoku): Fabrication and characterization. *Ceramics International*, **2016**, 42, 15269-15273	5.1	8
151	Significantly Altered Macroscopic Magnetic Properties and Terahertz Magnetic Resonance of Gadolinium Orthoferrite by Titanium Addition. *IEEE Transactions on Magnetics*, **2016**, 52, 1-6	2	
150	A route for white LED package using luminescent low-temperature co-fired ceramics. *Journal of Alloys and Compounds*, **2016**, 655, 203-207	5.7	17
149	Isotropic Negative Thermal Expansion Metamaterials. *ACS Applied Materials & Interfaces*, **2016**, 8, 17721-7	9.5	99
148	Dual band metamaterial perfect absorber based on Mie resonances. *Applied Physics Letters*, **2016**, 109, 062902	3.4	46
147	Achieving bifunctional cloak via combination of passive and active schemes. *Applied Physics Letters*, **2016**, 109, 201903	3.4	17
146	Flexible NiO-Graphene-Carbon Fiber Mats Containing Multifunctional Graphene for High Stability and High Specific Capacity Lithium-Ion Storage. *ACS Applied Materials & Interfaces*, **2016**, 8, 11507-15	9.5	25
145	Unipolar memristive switching in bulk positive temperature coefficient ceramic thermistor. *Modern Physics Letters B*, **2016**, 30, 1650025	1.6	1
144	Mechanically stretchable and tunable metamaterial absorber. *Applied Physics Letters*, **2015**, 106, 091907	3.4	85
143	Causes for the Formation of Titania Nanotubes During Anodization. *IEEE Nanotechnology Magazine*, **2015**, 14, 113-117	2.6	9
142	Dual-band-enhanced transmission through a subwavelength aperture by coupled metamaterial resonators. *Scientific Reports*, **2015**, 5, 8144	4.9	12
141	Water nanodroplet thermodynamics: quasi-solid phase-boundary dispersivity. *Journal of Physical Chemistry B*, **2015**, 119, 5265-9	3.4	27
140	Metamaterials: Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave Manipulation Devices (Adv. Mater. 40/2015). *Advanced Materials*, **2015**, 27, 6304-6304	24	

139	Experimental Demonstration of Anomalous Field Enhancement in All-Dielectric Transition Magnetic Metamaterials. *Scientific Reports*, **2015**, 5, 16154	4.9	14
138	Electrostatic Field Invisibility Cloak. *Scientific Reports*, **2015**, 5, 16416	4.9	26
137	Ice Regelation: Hydrogen-bond extraordinary recoverability and water quasisolid-phase-boundary dispersivity. *Scientific Reports*, **2015**, 5, 13655	4.9	20
136	A Comparison of Texture Development in an Experimental and Industrial Tertiary Oxide Scale in a Hot Strip Mill. *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, **2015**, 46, 2503-2513	2.5	5
135	Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave Manipulation Devices. *Advanced Materials*, **2015**, 27, 6187-94	24	24
134	Recent Advances in Theory and Applications of Electromagnetic Metamaterials. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-2	1.2	
133	Dielectric Behavior of Low Microwave Loss Unit Cell for All Dielectric Metamaterial. *International Journal of Antennas and Propagation*, **2015**, 2015, 1-6	1.2	4
132	Magnetically tunable Mie resonance-based dielectric metamaterials. *Scientific Reports*, **2014**, 4, 7001	4.9	36
131	Negative and near zero refraction metamaterials based on permanent magnetic ferrites. *Scientific Reports*, **2014**, 4, 4139	4.9	19
130	Microwave memristive-like nonlinearity in a dielectric metamaterial. *Scientific Reports*, **2014**, 4, 5499	4.9	12
129	Anisotropic terahertz dielectric responses of sodium nitrate crystals. *Physical Chemistry Chemical Physics*, **2014**, 16, 6963-7	3.6	4
128	Molecular rotation-vibration dynamics of low-symmetric hydrate crystal in the terahertz region. *Journal of Physical Chemistry A*, **2014**, 118, 333-8	2.8	6
127	Magnetically coupled electromagnetically induced transparency analogy of dielectric metamaterial. *Applied Physics Letters*, **2014**, 104, 131907	3.4	47
126	Resonance transmission of electromagnetic wave through a thin dielectric rod. *Applied Physics Letters*, **2014**, 104, 123902	3.4	4
125	Mie-resonance-coupled total broadband transmission through a single subwavelength aperture. *Applied Physics Letters*, **2014**, 104, 204103	3.4	14
124	Isotropic Mie resonance-based metamaterial perfect absorber. *Applied Physics Letters*, **2013**, 103, 031910	3.4	75
123	Resistive switching in a negative temperature coefficient metal oxide memristive one-port. *Applied Physics A: Materials Science and Processing*, **2013**, 111, 1045-1049	2.6	3
122	Structure and Manufacturing Process of MnO2 Counter Electrode in Niobium Suboxide Capacitors. *Journal of Electronic Materials*, **2013**, 42, 2933-2939	1.9	

121	Density, Elasticity, and Stability Anomalies of Water Molecules with Fewer than Four Neighbors. *Journal of Physical Chemistry Letters*, **2013**, 4, 2565-70	6.4	98
120	Density and Phonon-Stiffness Anomalies of Water and Ice in the Full Temperature Range. *Journal of Physical Chemistry Letters*, **2013**, 4, 3238-44	6.4	101
119	Magnetoelectric cylindrical layered composite structure with multi-resonance frequencies. *Science China Technological Sciences*, **2013**, 56, 2572-2575	3.5	5
118	Ferrite based metamaterials with thermo-tunable negative refractive index. *Applied Physics Letters*, **2013**, 103, 131915	3.4	15
117	OPTICAL PROPERTIES OF ANTHRACENE SINGLE CRYSTALS GROWN BY A SIMPLE SOLUTION TECHNIQUE. *International Journal of Modern Physics B*, **2013**, 27, 1350022	1.1	2
116	Zero phase delay induced by wavefront modulation in photonic crystals. *Physical Review B*, **2013**, 87,	3.3	4
115	Terahertz optical parameters and lattice vibration-induced resonance of Er3+-doped Y3Al5O12 crystal. *Journal of Electromagnetic Waves and Applications*, **2013**, 27, 1792-1799	1.3	5
114	Hyperbolic metamaterial based on anisotropic Mie-type resonance. *Optics Express*, **2013**, 21, 29592-600	3.3	13
113	Unipolar memristive switching in bulk negative temperature coefficient thermosensitive ceramics. *PLoS ONE*, **2013**, 8, e79832	3.7	5
112	Geometrically Complex Silicon Carbide Structures Fabricated by Robocasting. *Journal of the American Ceramic Society*, **2012**, 95, 2660-2666	3.8	83
111	Phase structure and vibrational spectra of rare-earth-oxide ceramics of Dy2(1⊠)Tm2x O3. *Journal of Materials Science*, **2012**, 47, 1697-1701	4.3	6
110	Towards rational design of low-temperature co-fired ceramic (LTCC) materials. *Journal of Advanced Ceramics*, **2012**, 1, 89-99	10.7	58
109	Low-fired Y-type hexagonal ferrite for hyper frequency applications. *Journal of Advanced Ceramics*, **2012**, 1, 100-109	10.7	11
108	Solution-processed bulk heterojunction solar cells based on interpenetrating CdS nanowires and carbon nanotubes. *Nano Research*, **2012**, 5, 595-604	10	7
107	Magnetic and electric coupling effects of dielectric metamaterial. *New Journal of Physics*, **2012**, 14, 033031	3.1	39
106	Direct Write Assembly of 3-Dimensional Structures with Aqueous-Based Piezoelectric Inks. *Key Engineering Materials*, **2012**, 512-515, 390-394	0.4	3
105	Preparation of 3D Ceramic Meshes by Direct-write Method and Modulation of Its Photocatalytic Properties by Structure Design. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2012**, 27, 102-106	1	2
104	Significant Suppression of Photoluminescence in Eu3+ Doped LaPO4 Inverse Opal Photonic Crystals. *Advanced Materials Research*, **2011**, 311-313, 1217-1221	0.5	

103	Abnormal refraction of microwave in ferrite/wire metamaterials. *Optics Express*, **2011**, 19, 15679-89	3.3	10
102	ARTIFICIAL MAGNETIC PROPERTIES OF DIELECTRIC METAMATERIALS IN TERMS OF EFFECTIVE CIRCUIT MODEL. *Progress in Electromagnetics Research*, **2011**, 116, 159-170	3.8	9
101	Energy Transfer Enhancement in Eu3+, Tb3+-Doped SiO2 Inverse Opal Photonic Crystals. *Journal of the American Ceramic Society*, **2011**, 94, 2731-2734	3.8	12
100	Metamaterial inspired electrically small patch antenna **2011**,		1
99	Direct-writing construction of layered meshes from nanoparticles-vaseline composite inks: rheological properties and structures. *Applied Physics A: Materials Science and Processing*, **2011**, 102, 501-507	2.6	21
98	Intrinsic abnormal electromagnetic medium based on polar lattice vibration. *Science Bulletin*, **2011**, 56, 1318-1324		1
97	Influence of Mass and Heat Transfer on Morphologies of Metal Oxide Nanochannel Arrays Prepared by Anodization Method. *ISRN Nanotechnology*, **2011**, 2011, 1-5		1
96	Voltage tunable short wire-pair type of metamaterial infiltrated by nematic liquid crystal. *Applied Physics Letters*, **2010**, 97, 134103	3.4	51
95	Indefinite permittivity in uniaxial single crystal at infrared frequency. *Applied Physics Letters*, **2010**, 97, 031912	3.4	20
94	Hysteretic current-voltage characteristic in polycrystalline ceramic ferrites. *Applied Physics Letters*, **2010**, 97, 122501	3.4	4
93	Thermal stability of the nanostructured BaTiO3 determined by long and short range interactions: A dual-shell model. *Journal of Applied Physics*, **2010**, 107, 064102	2.5	6
92	CaF2–AlF3–SiO2 glass-ceramic with low dielectric constant for LTCC application. *Journal of Alloys and Compounds*, **2010**, 490, 204-207	5.7	28
91	Metal-enhanced fluorescence of lanthanide chelates near silver nanostructured films. *Science Bulletin*, **2010**, 55, 3746-3749		2
90	Preparation and photoluminescence properties of dye doped polymerization crystalline colloidal arrays. *Materials Letters*, **2010**, 64, 1329-1331	3.3	5
89	Experimental verification of isotropic and polarization properties of high permittivity-based metamaterial. *Physical Review B*, **2009**, 80,	3.3	26
88	Energy transfer enhancement in Eu3+ doped TbPO4 inverse opal photonic crystals. *Journal of Applied Physics*, **2009**, 105, 083523	2.5	25
87	Mie resonance-based dielectric metamaterials. *Materials Today*, **2009**, 12, 60-69	21.8	581
86	Photonic Bandgap and Photoluminescence in TbPO4 Inverse Opal with Coexistence of the (001) and (111) Orientations. *Journal of the American Ceramic Society*, **2009**, 92, 1596-1598	3.8	18

85	The static and hyper-frequency magnetic properties of a ferromagnetic□ferroelectric composite. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 148-151	2.8	11
84	Preparation and photonic bandgap properties of lead lanthanum titanate inverse opal photonic crystals. *Journal of Alloys and Compounds*, **2009**, 468, 295-298	5.7	18
83	Preparation and photonic bandgap properties of Na1/2Bi1/2TiO3 inverse opal photonic crystals. *Journal of Alloys and Compounds*, **2009**, 471, 241-243	5.7	11
82	Effect of Mn doping on physical properties of Y-type hexagonal ferrite. *Journal of Alloys and Compounds*, **2009**, 473, 505-508	5.7	40
81	Tunable two-dimensional left-handed material consisting of ferrite rods and metallic wires. *Optics Express*, **2009**, 17, 13373-80	3.3	56
80	LEFT-HANDED MATERIALS BASED ON CRYSTAL LATTICE VIBRATION. *Progress in Electromagnetics Research Letters*, **2009**, 10, 145-155	0.5	8
79	Enhanced luminescence from europium complex owing to surface plasmon resonance of silver nanoparticles. *Materials Letters*, **2008**, 62, 1937-1940	3.3	40
78	Enhanced luminescence from lanthanide complex by silver nanoparticles. *Materials Letters*, **2008**, 62, 3582-3584	3.3	37
77	Experimental demonstration of tunable negative phase velocity and negative refraction in a ferromagnetic/ferroelectric composite metamaterial. *Applied Physics Letters*, **2008**, 93, 201106	3.4	21
76	Magnetically tunable negative permeability metamaterial composed by split ring resonators and ferrite rods. *Optics Express*, **2008**, 16, 8825-34	3.3	72
75	Ferrite-based magnetically tunable left-handed metamaterial composed of SRRs and wires. *Optics Express*, **2008**, 16, 17269-75	3.3	32
74	Magnetic control of negative permeability metamaterials based on liquid crystals. *Applied Physics Letters*, **2008**, 92, 193104	3.4	52
73	Transparency cloak based on High-k BST rods **2008**,		2
72	Template-induced directional growth of ZnO nanomeshes by colloidal crystals. *Journal of Materials Chemistry*, **2008**, 18, 5986		21
71	Cofiring Behavior of Ferroelectric Ferromagnetic Composites. *Key Engineering Materials*, **2008**, 368-372, 573-575	0.4	
70	Promising Red Phosphors（Ca，Eu，M）（WO4）1□z（MoO4）z（M = Mg，Zn）for Solid-State Lighting. *Journal of the Electrochemical Society*, **2008**, 155, H525	3.9	9
69	Magnetic tuning of electrically resonant metamaterial with inclusion of ferrite. *Applied Physics Letters*, **2008**, 93, 171909	3.4	15
68	Tunable negative permeability in an isotropic dielectric composite. *Applied Physics Letters*, **2008**, 92, 051106	3.4	70

67	The effect of Bi substitution on phase formation and low temperature sintering of Y-type hexagonal ferrite. *Journal of Electroceramics*, **2008**, 21, 349-352	1.5	11
66	Preparation and characterization of nanocrystalline ZnS/ZnO doped silica inverse opals. *Journal of Electroceramics*, **2008**, 21, 374-377	1.5	6
65	Interfacial investigation of the Co-fired NiCuZn Ferrite/PMN composite prepared by tape casting. *Journal of Electroceramics*, **2008**, 21, 536-540	1.5	1
64	Synthesis and dielectric properties of Ba2TiSi2O8 glass-ceramics from the sol□gel process. *Journal of Electroceramics*, **2008**, 21, 565-568	1.5	4
63	Temperature tunable photonic bandgap in PLZT inverse opals. *Journal of Electroceramics*, **2008**, 21, 711-714	1.5	3
62	Preparation of size-controlled nanocrystalline infrared-to-visible upconverting phosphors Gd2O3:Yb,Er by using a water-in-oil microemulsion system. *Journal of Electroceramics*, **2008**, 21, 765-769	1.5	6
61	Microstructure and densification mechanism of low temperature sintering Bi-Substituted yttrium iron garnet. *Journal of Electroceramics*, **2008**, 21, 802-804	1.5	17
60	Isotropic negative permeability composite based on Mie resonance of the BST-MgO dielectric medium. *Science Bulletin*, **2008**, 53, 3272-3276	10.6	8
59	Oxyfluoride glass-silica ceramic composite for low temperature co-fired ceramics. *Journal of the European Ceramic Society*, **2008**, 28, 2877-2881	6	4
58	Photonic band gap and photoluminescence properties of LaPO4:Tb inverse opal. *Chemical Physics Letters*, **2008**, 455, 55-58	2.5	45
57	Complex Impedance Spectroscopy of Bi-Substituted Yttrium Iron Garnet (YIG). *Key Engineering Materials*, **2007**, 336-338, 709-711	0.4	1
56	Binary colloidal crystals with a wide range of size ratios via template-assisted electric-field-induced assembly. *Langmuir*, **2007**, 23, 8695-8	4	44
55	Fabrication of Barium Strontium Titanate Inverse Opals by the Sol□Gel Process. *Journal of the American Ceramic Society*, **2007**, 90, 070922001254006-???	3.8	
54	Experimental verification of a tunable optical negative refraction in nematic liquid crystals. *Applied Physics Letters*, **2007**, 90, 181931	3.4	18
53	Left-handed material based on ferroelectric medium. *Optics Express*, **2007**, 15, 8284-9	3.3	9
52	Electrically tunable negative permeability metamaterials based on nematic liquid crystals. *Applied Physics Letters*, **2007**, 90, 011112	3.4	204
51	Magnetotunable left-handed material consisting of yttrium iron garnet slab and metallic wires. *Applied Physics Letters*, **2007**, 91, 131107	3.4	88
50	Enhancement effect of terbium complex luminescence by binding to silver nanoparticles in the solution. *Optoelectronics Letters*, **2006**, 2, 316-319	0.7	12

49	Tunable negative refraction in nematic liquid crystals. *Applied Physics Letters*, **2006**, 89, 221918	3.4	26
48	Microwave Bandgap in Multilayer Ceramic Structures. *Journal of the American Ceramic Society*, **2006**, 89, 1087-1090	3.8	1
47	Ordered Ceramic Microstructures from Butterfly Bio-template. *Journal of the American Ceramic Society*, **2006**, 89, 060427083300014-???	3.8	4
46	Strong Suppression and Enhancement of Photoluminescence in Zn2SiO4:Mn2+ Inverse Opal Photonic Crystals. *Journal of the American Ceramic Society*, **2006**, 89, 060427083300027-???	3.8	0
45	Co-firing behavior of ZnTiO3 dielectric ceramics/Ag composites for MLCCs. *Ceramics International*, **2006**, 32, 471-474	5.1	8
44	Preparation and Spontaneous Polarization–Magnetization of a New Ceramic Ferroelectric–Ferromagnetic Composite. *Journal of the American Ceramic Society*, **2005**, 87, 1848-1852	3.8	46
43	The Effect of Sr Substitution on Phase Formation and Magnetic Properties of Y-type Hexagonal Ferrite. *Journal of the American Ceramic Society*, **2005**, 88, 318-323	3.8	18
42	Magnetic Properties of a Novel Ceramic Ferroelectric–Ferromagnetic Composite. *Journal of the American Ceramic Society*, **2005**, 88, 3440-3443	3.8	52
41	Temperature-tuned photonic bandgap in polymer synthetic opals. *Journal of Materials Science*, **2005**, 40, 2611-2613	4.3	9
40	Low-Temperature Sintering and Electromagnetic Properties of Copper-Modified Z-type Hexaferrite. *Journal of the American Ceramic Society*, **2004**, 85, 1180-1184	3.8	10
39	Investigation of magnetic properties of Ni0.2Cu0.2Zn0.6Fe1.96O4–BaTiO3 composites. *Journal of Magnetism and Magnetic Materials*, **2004**, 269, 352-358	2.8	28
38	Photonic structures in butterflyThaumantis diores. *Science Bulletin*, **2004**, 49, 2545-2546		
37	Effect of Bi-substitution on the dielectric properties of polycrystalline yttrium iron garnet. *Journal of Magnetism and Magnetic Materials*, **2004**, 280, 208-213	2.8	74
36	Electrical properties of non-stoichiometric Y-type hexagonal ferrite. *Journal of Magnetism and Magnetic Materials*, **2004**, 278, 208-213	2.8	52
35	Nonlinear magnetic properties of Mn-modified Ba/sub 3/Co/sub 2/Fe/sub 23/O/sub 41/ hexaferrite. *IEEE Transactions on Magnetics*, **2004**, 40, 1947-1951	2	4
34	Synthesis of inverse opal polymer films. *Journal of Materials Science Letters*, **2003**, 22, 1295-1297		
33	Complex Y-type hexagonal ferrites: an ideal material for high-frequency chip magnetic components. *Journal of Magnetism and Magnetic Materials*, **2003**, 264, 44-49	2.8	63
32	Synthesis of (Pb,La)(Zr,Ti)O3 Inverse Opal Photonic Crystals. *Journal of the American Ceramic Society*, **2003**, 86, 867-869	3.8	18

31	Co-firing behavior of ZnTiO3□TiO2 dielectrics/hexagonal ferrite composites for multi-layer LC filters. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 99, 262-265	3.1	25
30	Ferroelectric inverse opals with electrically tunable photonic band gap. *Applied Physics Letters*, **2003**, 83, 4704-4706	3.4	85
29	Photonic band gap in (Pb,La)(Zr,Ti)O3 inverse opals. *Applied Physics Letters*, **2003**, 82, 3617-3619	3.4	23
28	Magnetic properties of Cu, Zn-modified Co2Y hexaferrites. *Journal of Magnetism and Magnetic Materials*, **2002**, 246, 140-144	2.8	50
27	Low-temperature sintered Ni-Zn manganite NTC ceramics prepared by a gel auto-combustion method. *Journal of Materials Science Letters*, **2002**, 21, 375-377		8
26	Low-fired microwave dielectrics in ZnO-TiO2 ceramics doped with CuO and B2O3. *Journal of Materials Science: Materials in Electronics*, **2002**, 13, 415-418	2.1	19
25	Microstructure and Physical Characteristics of Novel Z-Type Hexaferrite with Cu Modification **2002**, 9, 73-79		7
24	Dielectric behavior of Co2Z hexagonal ferrites with multiple modifications. *Journal of Applied Physics*, **2002**, 91, 5230-5233	2.5	12
23	Microstructure and magnetic characteristics of low-temperature-fired modified Z-type hexaferrite with Bi/sub 2/O/sub 3/ additive. *IEEE Transactions on Magnetics*, **2002**, 38, 1797-1802	2	28
22	Low-temperature sintered Mg-Zn-Cu ferrite prepared by auto-combustion of nitrate-citrate gel. *Journal of Materials Science Letters*, **2001**, 20, 1327-1329		43
21	Low-Temperature Sintering, Densification, and Properties of Z-type Hexaferrite with Bi2O3 Additives. *Journal of the American Ceramic Society*, **2001**, 84, 2889-2894	3.8	32
20	Thermally tuning of the photonic band gap of SiO2 colloid-crystal infilled with ferroelectric BaTiO3. *Applied Physics Letters*, **2001**, 78, 661-663	3.4	90
19	Intense and stable blue-light emission of Pb(ZrxTi1□)O3. *Applied Physics Letters*, **2001**, 79, 1082-1084	3.4	17
18	Crystallization and dielectric properties of cordierite gel-derived glasses containing B2O3 and P2O5. *Ferroelectrics*, **2001**, 262, 31-36	0.6	5
17	Low dielectric constant borophosphosilicate glass-ceramics: Synthesis and properties. *Ferroelectrics* , **2001**, 262, 239-244	0.6	
16	Low-temperature sinterable cordierite glass-ceramics for high-frequency multilayer chip inductors. *Journal of Materials Science Letters*, **2000**, 19, 213-215		18
15	Photoluminescence of CdSe nanocrystallites embedded in BaTiO3 matrix. *Applied Physics Letters*, **2000**, 76, 1540-1542	3.4	37
14	Three-dimensional photonic band gap structure of a polymer-metal composite. *Applied Physics Letters*, **2000**, 76, 3337-3339	3.4	32

13	Preparation and electromagnetic properties of ferrite□cordierite composites. *Materials Letters*, **2000**, 44, 279-283	3.3	36
12	Photoluminescence of ZnS:Mn embedded in three-dimensional photonic crystals of submicron polymer spheres. *Applied Physics Letters*, **2000**, 76, 3513-3515	3.4	77
11	Sol-gel derived Ba(Mg1/3Ta2/3)O3 thin films: Preparation and structure. *Journal of Materials Research*, **1997**, 12, 596-599	2.5	6
10	Ferroelectric thin films embedding nanoscale metal particles: A novel class of functional composites. *Ferroelectrics*, **1997**, 196, 85-88	0.6	4
9	Enhancement of second-order harmonic generation in polarized BaTiO3 thin films embedded with Ag nanoparticles. *Science Bulletin*, **1997**, 42, 1319-1320		
8	Preparation and structure of Ba(Mg1/3Ta2/3)O3 thin films derived from a sol-gel process. *Journal of Materials Science Letters*, **1996**, 15, 1808-1810		2
7	Visible Achromatic Metalens Design Based on Artificial Neural Network. *Advanced Optical Materials*,2101842	8.4	2
6	Ultra-compact photonic crystal couplers for optical switches based on band-edge resonance. *Advanced Composites and Hybrid Materials*,1	8.7	1
5	Internal-strain-controlled tungsten bronze structural ceramics for 5G millimeter-wave metamaterials. *Journal of Materials Chemistry C*,	7.1	8
4	Improvement in mechanical properties in AlN-h-BN composites with high thermal conductivity. *Journal of Advanced Ceramics*,1	10.7	5
3	Investigation of Ni-Cu-Zn Ferrite with High Performance Derived from Nano Ferrite Powders. *Ceramic Transactions*,211-218	0.1	3
2	Manufacture and Characterization of Low Temperature Sintered Co2Z Ceramics. *Ceramic Transactions*,125-135	0.1	2
1	Multiple Periodic Vibrations of Auxetic Honeycomb Sandwich Plate with 1:2 Internal Resonance. *Journal of Nonlinear Mathematical Physics*,1	0.9	