

# Yuan-Hua Lin

## List of Publications by Citations

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90  
g-index

135  
ext. papers

9,544  
ext. citations

7.6  
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6.07  
L-index

#	Paper	IF	Citations
128	Interface effect on thermal conductivity of carbon nanotube composites. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3549-3551	3.4	662
127	Synergistic Coupling between LiLaZrTaO and Poly(vinylidene fluoride) Induces High Ionic Conductivity, Mechanical Strength, and Thermal Stability of Solid Composite Electrolytes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13779-13785	16.4	452
126	Giant Energy Density and Improved Discharge Efficiency of Solution-Processed Polymer Nanocomposites for Dielectric Energy Storage. <i>Advanced Materials</i> , <b>2016</b> , 28, 2055-61	24	432
125	BiCuSeO oxyselenides: new promising thermoelectric materials. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2900-2924	35.4	416
124	Topological-Structure Modulated Polymer Nanocomposites Exhibiting Highly Enhanced Dielectric Strength and Energy Density. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3172-3178	15.6	304
123	Improving the dielectric constants and breakdown strength of polymer composites: effects of the shape of the BaTiO <sub>3</sub> nanoinclusions, surface modification and polymer matrix. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 16491		301
122	Enhanced dielectric and ferroelectric properties induced by dopamine-modified BaTiO <sub>3</sub> nanofibers in flexible poly(vinylidene fluoride-trifluoroethylene) nanocomposites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 8063		256
121	Remarkable enhancement in thermoelectric performance of BiCuSeO by Cu deficiencies. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20112-5	16.4	242
120	Polycrystalline BiCuSeO oxide as a potential thermoelectric material. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7188	35.4	203
119	Enhanced thermoelectric properties of Pb-doped BiCuSeO ceramics. <i>Advanced Materials</i> , <b>2013</b> , 25, 5086-90	20	200
118	High-Throughput Phase-Field Design of High-Energy-Density Polymer Nanocomposites. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704380	24	171
117	Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806082	24	169
116	Preparation of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> and Improvement of its Thermoelectric Properties by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1337-1340	3.8	159
115	Polymer Nanocomposites with Ultrahigh Energy Density and High Discharge Efficiency by Modulating their Nanostructures in Three Dimensions. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707269	24	157
114	Anomalous luminescence in Sr <sub>4</sub> Al <sub>14</sub> O <sub>25</sub> :Eu, Dy phosphors. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 996-998	3.4	155
113	Influence of interfacial bonding on giant magnetoelectric response of multiferroic laminated composites of Tb <sub>1-x</sub> Dy <sub>x</sub> Fe <sub>2</sub> and PbZr <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4366-4368	3.4	145
112	Nanocomposite Membranes Enhance Bone Regeneration Through Restoring Physiological Electric Microenvironment. <i>ACS Nano</i> , <b>2016</b> , 10, 7279-86	16.7	139

111	Largely enhanced energy density in flexible P(VDF-TrFE) nanocomposites by surface-modified electrospun BaSrTiO <sub>3</sub> fibers. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 1688-1693	13	135
110	Significant enhancement in energy density of polymer composites induced by dopamine-modified Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> nanofibers. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 152904	3.4	125
109	Significant enhancement in the visible light photocatalytic properties of BiFeO <sub>3</sub> /graphene nanohybrids. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 823-829	13	124
108	Coupled magnetodielectric properties of laminated PbZr <sub>0.53</sub> Ti <sub>0.47</sub> O <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 5685-5690	2.5	122
107	High energy density of polymer nanocomposites at a low electric field induced by modulation of their topological-structure. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8359-8365	13	120
106	Enhancement in magnetoelectric response in CoFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> heterostructure. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 062911	3.4	110
105	Significant Improvement of Mechanical Properties Observed in Highly Aligned Carbon-Nanotube-Reinforced Nanofibers. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4779-4785	3.8	104
104	Large high-frequency magnetoelectric response in laminated composites of piezoelectric ceramics, rare-earth iron alloys and polymer. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3516-3518	3.4	102
103	Enhanced thermoelectric performance of a BiCuSeO system via band gap tuning. <i>Chemical Communications</i> , <b>2013</b> , 49, 8075-7	5.8	98
102	Highly enhanced energy density induced by hetero-interface in sandwich-structured polymer nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12321	13	97
101	Enhancing thermoelectric performance in hierarchically structured BiCuSeO by increasing bond covalency and weakening carrier-phonon coupling. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1590-1599	35.4	94
100	Effect of Mn doping on electric and magnetic properties of BiFeO <sub>3</sub> thin films by chemical solution deposition. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 063911	2.5	86
99	Polymer nanocomposites with high energy storage densities. <i>MRS Bulletin</i> , <b>2015</b> , 40, 753-759	3.2	85
98	Polymer Nanocomposites with Interpenetrating Gradient Structure Exhibiting Ultrahigh Discharge Efficiency and Energy Density. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803411	21.8	84
97	Bandgap engineering and enhanced interface coupling of graphene/BiFeO <sub>3</sub> nanocomposites as efficient photocatalysts under visible light. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 1967-1973	13	74
96	Enhanced thermoelectric performance of La-doped BiCuSeO by tuning band structure. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 233903	3.4	71
95	Doping for higher thermoelectric properties in p-type BiCuSeO oxyselenide. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 123905	3.4	71
94	Demonstration of magnetoelectric read head of multiferroic heterostructures. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 152510	3.4	69

93	Tuning Phase Composition of Polymer Nanocomposites toward High Energy Density and High Discharge Efficiency by Nonequilibrium Processing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29717-29731	2.5	63
92	Dielectric and energy storage performances of polyimide/BaTiO <sub>3</sub> nanocomposites at elevated temperatures. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 244101	2.5	63
91	Magnetic-electric properties of epitaxial multiferroic NiFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> heterostructure. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 074114	2.5	61
90	Ultra-sensitive NEMS magnetoelectric sensor for picotesla DC magnetic field detection. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 143510	3.4	60
89	Thickness-dependent voltage-modulated magnetism in multiferroic heterostructures. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 022405	3.4	59
88	Enhancement of thermoelectric performance in Cd-doped Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> via spin entropy, defect chemistry and phonon scattering. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19479-19487	13	55
87	Enhanced thermoelectric properties in Pb-doped BiCuSeO oxyselenides prepared by ultrafast synthesis. <i>RSC Advances</i> , <b>2015</b> , 5, 69878-69885	3.7	54
86	Thickness dependent size effect of BiFeO <sub>3</sub> films grown on LaNiO <sub>3</sub> -buffered Si substrates. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 123912	2.5	54
85	Controlled functionalization of poly(4-methyl-1-pentene) films for high energy storage applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4797-4807	13	50
84	Magnetoelectric resonance behavior of simple bilayered Pb(Zr,Ti)O <sub>3</sub> /(Tb,Dy)Fe <sub>2</sub> O <sub>4</sub> epoxy composites. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 043902	2.5	50
83	Dependence of giant magnetoelectric effect on interfacial bonding for multiferroic laminated composites of rare-earth-iron alloys and lead zirconate titanate. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 2660-2664	2.5	48
82	Lattice vibration modes of the layered material BiCuSeO and first principles study of its thermoelectric properties. <i>New Journal of Physics</i> , <b>2015</b> , 17, 083012	2.9	45
81	Thermoelectric properties of Bi <sup>3+</sup> substituted Co-based misfit-layered oxides. <i>Journal of Electroceramics</i> , <b>2008</b> , 21, 748-751	1.5	44
80	Composition Modulation and Structure Design of Inorganic-in-Polymer Composite Solid Electrolytes for Advanced Lithium Batteries. <i>Small</i> , <b>2020</b> , 16, e1902813	11	44
79	A magnetoelectric memory cell with coercivity state as writing data bit. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 162505	3.4	43
78	Influence of relative thickness on multiferroic properties of bilayered Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 114114	2.5	40
77	Garnet-type oxide electrolyte with novel porous-dense bilayer configuration for rechargeable all-solid-state lithium batteries. <i>Ionics</i> , <b>2017</b> , 23, 2521-2527	2.7	38
76	Influence of Stress and Orientation on Magnetoelectric Coupling of Pb(Zr,Ti)O <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> Bilayer Films. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 1060-1066	3.8	38

75	High Capacity, Superior Cyclic Performances in All-Solid-State Lithium-Ion Batteries Based on 78LiS-22PS Glass-Ceramic Electrolytes Prepared via Simple Heat Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28542-28548	9.5	36
74	Highly Sensitive DC Magnetic Field Sensor Based on Nonlinear ME Effect <b>2017</b> , 1, 1-4		36
73	Magnetoelectric behavior of BaTiO <sub>3</sub> films directly grown on CoFe <sub>2</sub> O <sub>4</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 014101	2.5	35
72	Exclusive enhancement of catalytic activity in Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> nanostructures: new insights into the design of efficient piezocatalysts and piezo-photocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16238-16245	13	34
71	Dielectric behavior of graphene/BaTiO <sub>3</sub> /polyvinylidene fluoride nanocomposite under high electric field. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 072906	3.4	34
70	Polarization of High-Permittivity Dielectric NiO-Based Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1808-1811	3.8	33
69	Electrical and Thermal Transport Behavior in Zn-Doped BiCuSeO Oxyselenides. <i>Journal of Electronic Materials</i> , <b>2015</b> , 44, 1627-1631	1.9	32
68	High Capacity and Superior Cyclic Performances of All-Solid-State Lithium Batteries Enabled by a Glass-Ceramics Solo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10029-10035	9.5	31
67	Thickness-dependent converse magnetoelectric coupling in bi-layered Ni/PZT thin films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 033918	2.5	31
66	Enhanced Thermoelectricity in High-Temperature Phase Copper(I) Selenides Embedded with Cu <sub>2</sub> Te Nanoclusters. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15196-204	9.5	30
65	Large d <sub>33</sub> and enhanced ferroelectric/dielectric properties of poly(vinylidene fluoride)-based composites filled with Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> nanofibers. <i>RSC Advances</i> , <b>2015</b> , 5, 51302-51307	3.7	29
64	Substrate Effect on the Magnetoelectric Behavior of Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> Film-On-CoFe <sub>2</sub> O <sub>4</sub> Bulk Ceramic Composites Prepared by Direct Solution Spin Coating. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 2654-2660	3.8	29
63	Microstructure Manipulation for Enhancing the Resistance of Garnet-Type Solid Electrolytes to "Short Circuit" by Li Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5928-5937	9.5	28
62	Enhancement of Thermoelectric Performance in Hierarchical Mesoscopic Oxide Composites of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> and La <sub>0.8</sub> Sr <sub>0.2</sub> CoO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1230-1235	3.8	26
61	Switchable voltage control of the magnetic coercive field via magnetoelectric effect. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043919	2.5	26
60	Magnetoelectricity of Multiferroic Composites. <i>Ferroelectrics</i> , <b>2002</b> , 280, 153-163	0.6	26
59	Dielectric Behavior of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -Based Composites Incorporating Silver Particles. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 87, 742-745	3.8	25
58	Self-Reconstructed Formation of a One-Dimensional Hierarchical Porous Nanostructure Assembled by Ultrathin TiO Nanobelts for Fast and Stable Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19047-19058	9.5	25

57	Response to Comment on "Self-Suppression of Lithium Dendrite in All-Solid-State Lithium Metal Batteries with Poly(vinylidene difluoride)-Based Solid Electrolytes". <i>Advanced Materials</i> , <b>2020</b> , 32, e2000026	24	24
56	High capacity and rate performance of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> composite cathode for bulk-type all-solid-state lithium battery. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13332	13	23
55	Phase-separation induced hollow/porous carbon nanofibers containing in situ generated ultrafine SnO <sub>x</sub> as anode materials for lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1331-1337	7.8	22
54	BiCuSeO as state-of-the-art thermoelectric materials for energy conversion: from thin films to bulks. <i>Rare Metals</i> , <b>2018</b> , 37, 259-273	5.5	22
53	Space charge effects on the dielectric response of polymer nanocomposites. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 092901	3.4	22
52	Tunable magnetic and electrical behaviors in perovskite oxides by oxygen octahedral tilting. <i>Science China Materials</i> , <b>2015</b> , 58, 302-312	7.1	22
51	Photoelectrochemical Performance Observed in Mn-Doped BiFeO <sub>3</sub> /Heterostructured Thin Films. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	22
50	Electrical and thermal transport behaviours of high-entropy perovskite thermoelectric oxides. <i>Journal of Advanced Ceramics</i> , <b>2021</b> , 10, 377-384	10.7	21
49	Electric-field modulation of magnetic properties of Fe films directly grown on BiScO <sub>3</sub> /PbTiO <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 083901	2.5	20
48	Strong phonon localization in PbTe with dislocations and large deviation to Matthiessen's rule. <i>Npj Computational Materials</i> , <b>2019</b> , 5,	10.9	19
47	Magnetoelectric coupling in BaTiO <sub>3</sub> /(NiFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> ) <sub>n</sub> (n=1,2,3,4) multilayered thin films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 083915	2.5	19
46	Tunable pseudocapacitive contribution in nanosheet-constructed titania hierarchical tubes to achieve superior lithium-storage properties by phase control. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24298-24310	13	19
45	Mechanical properties of polymer-infiltrated-ceramic (sodium aluminum silicate) composites for dental restoration. <i>Journal of Dentistry</i> , <b>2017</b> , 62, 91-97	4.8	18
44	Origin of enhanced magnetoelectric coupling in NiFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> multilayers studied by x-ray magnetic circular dichroism. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	18
43	Ultra-fast synthesis and high thermoelectric properties of heavy sodium doped BiCuSeO. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 708, 955-960	5.7	16
42	Enhanced magnetoelectric coupling in Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> film-on-CoFe <sub>2</sub> O <sub>4</sub> bulk ceramic composite with LaNiO <sub>3</sub> bottom electrode. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 1021-1026	4.3	16
41	Ferroelectric and Ferromagnetic Properties of Hot-Pressed Bi <sub>0.95</sub> La <sub>0.05</sub> TbxFeO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 1444-1447	3.8	16
40	Super Long-Cycling All-Solid-State Battery with Thin Li <sub>6</sub> PS <sub>5</sub> Cl-Based Electrolyte. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 200660	21.8	15



39	Cu segregation and its effects on the electrical properties of calcium copper titanate. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2506-2510	3.5	13
38	Influence of La Doping on Magnetic and Optical Properties of Bismuth Ferrite Nanofibers. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-5	3.2	13
37	Preparation of Nanometer Zinc Oxide Powders by Plasma Pyrolysis Technology and Their Applications. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 83, 2869-2871	3.8	13
36	Mechanical properties and biocompatibility of polymer infiltrated sodium aluminum silicate restorative composites. <i>Journal of Advanced Ceramics</i> , <b>2017</b> , 6, 73-79	10.7	11
35	Thermoelectric Properties of Cl-Doped BiCuSeO Oxyselenides. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 2593-2598	1.9	10
34	Surface-reconstructed formation of hierarchical TiO <sub>2</sub> mesoporous nanosheets with fast lithium-storage capability. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3216-3225	7.8	10
33	Magnetic-electric behaviors in BiFeO <sub>3</sub> films grown on LaNiO <sub>3</sub> -buffered Si substrate. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 073917	2.5	9
32	Voltage-Driven Nonlinearity in Magnetoelectric Heterostructures. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	8
31	(002) Oriented Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Nanosheets with Enhanced Photocatalytic Performance for Toluene Removal in Air. <i>Catalysts</i> , <b>2020</b> , 10, 389	4	8
30	Mechanical and biocompatible properties of polymer-infiltrated-ceramic-network materials for dental restoration. <i>Journal of Advanced Ceramics</i> , <b>2020</b> , 9, 123-128	10.7	7
29	Enhanced Thermoelectric Properties of BiCuSeO/Polyaniline Composites. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 3695-3700	1.9	7
28	Thermoelectric transport properties of BiCuSeO with embedded La <sub>0.8</sub> Sr <sub>0.2</sub> CoO <sub>3</sub> nanoinclusions. <i>Science China Technological Sciences</i> , <b>2016</b> , 59, 1036-1041	3.5	7
27	An alternating multilayer architecture boosts ultrahigh energy density and high discharge efficiency in polymer composites.. <i>RSC Advances</i> , <b>2020</b> , 10, 5886-5893	3.7	6
26	Reduced Thermal Conductivity of Mg(Si, Sn) Solid Solutions by a Gradient Composition Layered Microstructure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 19547-19552	9.5	6
25	Highly (001)-Textured Tetragonal BiFeO Film and Its Photoelectrochemical Behaviors Tuned by Magnetic Field. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30127-30132	9.5	6
24	High thermoelectric performance of Bi <sub>1-x</sub> K <sub>x</sub> CuSeO prepared by combustion synthesis. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 11569-11579	4.3	6
23	Evaluating the electro-optical effect in alternating current-voltage-modulated Kerr response for multiferroic heterostructures. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 204102	2.5	6
22	In Vitro Cell Proliferation and Mechanical Behaviors Observed in Porous Zirconia Ceramics. <i>Materials</i> , <b>2016</b> , 9,	3.5	6

21	The Effects of Spark-Plasma Sintering (SPS) on the Microstructure and Mechanical Properties of BaTiO <sub>3</sub> /BY-TZP Composites. <i>Materials</i> , <b>2016</b> , 9,	3.5	6
20	One-Pot Synthesis of BiCuSO Nanosheets under Ambient Atmosphere as Broadband Spectrum Photocatalyst. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	5
19	Enhancement of the thermoelectric properties of MnSb <sub>2</sub> Se <sub>4</sub> through Cu resonant doping. <i>RSC Advances</i> , <b>2015</b> , 5, 99065-99073	3.7	5
18	High-temperature electrical and thermal transport behaviors in layered structure WSe <sub>2</sub> . <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5528-5535	3.8	5
17	Modulating interfacial charge distribution and compatibility boosts high energy density and discharge efficiency of polymer nanocomposites.. <i>RSC Advances</i> , <b>2019</b> , 9, 35990-35997	3.7	5
16	Characterization of individual grain boundaries and grains of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic. <i>Science China Technological Sciences</i> , <b>2012</b> , 55, 879-882	3.5	4
15	Synthesis and Characterization of (Ce <sub>0.67</sub> Tb <sub>0.33</sub> )MnxMg <sub>1-x</sub> Al <sub>11</sub> O <sub>19</sub> Phosphors Derived by Sol-Gel Processing. <i>Journal of the American Ceramic Society</i> , <b>2004</b> , 85, 998-1000	3.8	4
14	Interfacial-hybridization-modified Ir ferromagnetism and electronic structure in LaMnO <sub>3</sub> /SrIrO <sub>3</sub> superlattices. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
13	Magnetoelectricity of Multiferroic Composites		4
12	Carbon Quantum Dots Modified (002) Oriented BiOCO Composites with Enhanced Photocatalytic Removal of Toluene in Air. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
11	High Thermoelectric Performance of AgSbPbSe Prepared by Fast Nonequilibrium Synthesis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41333-41341	9.5	4
10	Spatially resolving heterogeneous thermal conductivity of BiCuSeO based thermoelectric nanostructures via scanning thermal microscopy. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 133102	3.4	3
9	Tunable photoelectric response in NiO-based heterostructures by various orientations. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 093301	3.4	3
8	Preparation of CePO <sub>4</sub> -coated zirconia ceramics and their mechanical behavior. <i>Rare Metals</i> , <b>2011</b> , 30, 282-286	5.5	3
7	Ensemble-machine-learning-based correlation analysis of internal and band characteristics of thermoelectric materials. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 13079-13089	7.1	3
6	Synthesis and Broadband Spectra Photocatalytic Properties of Bi <sub>2</sub> (CO) <sub>3</sub> . <i>Materials</i> , <b>2018</b> , 11,	3.5	3
5	Physical and chemical strains co-tuned magnetic properties of double perovskite PrBaMn <sub>2</sub> O <sub>5.5</sub> + $\delta$ epitaxial films. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 081903	3.4	2
4	Application of 3D-Printed, PLGA-Based Scaffolds in Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5831	6.3	2



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|---|--|------|---|
| 3 | Polymer Nanocomposites: Polymer Nanocomposites with Interpenetrating Gradient Structure Exhibiting Ultrahigh Discharge Efficiency and Energy Density (Adv. Energy Mater. 15/2019). <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1970047 | 21.8 | 1 |
| 2 | Enhanced CO <sub>2</sub> Reduction Performance of BiCuSeO-Based Hybrid Catalysts by Synergetic Photo-Thermoelectric Effect. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105001   | 15.6 | 1 |
| 1 | Study of lattice vibration and thermal conductivity of BiCuSeO from first-principles calculations. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1735, 110  |      |   |