

# Yu Wang

## List of Publications by Year in descending order

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330  
papers

13,065  
citations

36303

51  
h-index

30087

103  
g-index

330  
all docs

330  
docs citations

330  
times ranked

17830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a ZnO/Poly(vinylidene fluoride) inverse opal film for photon localization-assisted full solar spectrum photocatalysis. Chinese Journal of Catalysis, 2021, 42, 184-192.	14.0	26
2	Applications of ESEM on Materials Science: Recent Updates and a Look Forward. Small Methods, 2020, 4, 1900588.	8.6	12
3	Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. ACS Applied Materials & Interfaces, 2020, 12, 45005-45014.	8.0	37
4	FeCo alloy catalysts promoting polysulfide conversion for advanced lithium-sulfur batteries. Journal of Energy Chemistry, 2020, 49, 339-347.	12.9	38
5	Effects of Deposition Temperature on the Structural and Physical Properties of Ba(Fe <sub>1.8</sub> Co <sub>0.2</sub> ) <sub>2</sub> As <sub>2</sub> Thin Film. Journal of Superconductivity and Novel Magnetism, 2019, 32, 869-875.	1.8	1
6	Negative Coriolis effect in piezoelectric metamaterials. Journal of Alloys and Compounds, 2019, 801, 262-266.	5.5	2
7	Flexoelectric materials and their related applications: A focused review. Journal of Advanced Ceramics, 2019, 8, 153-173.	17.4	127
8	Silkworm Excrement Derived <i>In situ</i> Co-doped Nanoporous Carbon as Confining Sulfur Host for Lithium Sulfur Batteries. ChemistrySelect, 2019, 4, 5678-5685.	1.5	7
9	<i>In situ</i> observations for growth kinetics of water droplets on Bambusa multiplex leaves. Applied Physics Letters, 2019, 114, .	3.3	3
10	Effects of Long- and Short-Range Ferroelectric Order on the Electrocaloric Effect in Relaxor Ferroelectric Ceramics. Physical Review Applied, 2019, 11, .	3.8	57
11	Energy storage in BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films with high efficiency. Journal of Applied Physics, 2019, 125, .	2.5	17
12	Unique elastic, dielectric and piezoelectric properties of micro-architected metamaterials. Journal of Materials Chemistry C, 2019, 7, 2758-2765.	5.5	12
13	Observable Two-Step Nucleation Mechanism in Solid-State Formation of Tungsten Carbide. ACS Nano, 2019, 13, 681-688.	14.6	32
14	Mechanism study on extraordinary room-temperature CO sensing capabilities of Pd-SnO <sub>2</sub> composite nanoceramics. Sensors and Actuators B: Chemical, 2019, 285, 49-55.	7.8	36
15	Origin of Ferroelectricity in Epitaxial Si-Doped HfO <sub>2</sub> Films. ACS Applied Materials & Interfaces, 2019, 11, 4139-4144.	8.0	48
16	Three-dimensional macroporous graphene monoliths with entrapped MoS <sub>2</sub> nanoflakes from single-step synthesis for high-performance sodium-ion batteries. RSC Advances, 2018, 8, 2477-2484.	3.6	13
17	Magnetism of a relaxed single atom vacancy in graphene. Physica B: Condensed Matter, 2018, 534, 184-188.	2.7	2
18	van der Waals epitaxy of Al-doped ZnO film on mica as a flexible transparent heater with ultrafast thermal response. Applied Physics Letters, 2018, 112, .	3.3	43

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19	Effect of post-annealing on laser-ablation deposited WS <sub>2</sub> thin films. <i>Vacuum</i> , 2018, 152, 239-242.	3.5	9
20	Electric-field-controllable nonvolatile multilevel resistance switching of Bi <sub>0.93</sub> Sb <sub>0.07</sub> /PMN-0.29PT(111) heterostructures. <i>Applied Physics Letters</i> , 2018, 113, 223504.	3.3	3
21	Ferroelastic-strain-induced multiple nonvolatile resistance states in GeTe/Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> heterostructures. <i>Journal of Materials</i> , 2018, 4, 412-417.	5.7	1
22	<i>In Situ</i> Observation of Ice Formation from Water Vapor by Environmental SEM. <i>Crystal Growth and Design</i> , 2018, 18, 6602-6608.	3.0	9
23	Flexoelectric fatigue in (K,Na,Li)(Nb,Sb)O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	13
24	Reversible and nonvolatile manipulation of the electronic transport properties of topological insulators by ferroelectric polarization switching. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	19
25	Integration of Oxide Semiconductor Thin Films with Relaxor-Based Ferroelectric Single Crystals with Large Reversible and Nonvolatile Modulation of Electronic Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32809-32817.	8.0	21
26	Room-temperature pyro-catalytic hydrogen generation of 2D few-layer black phosphorene under cold-hot alternation. <i>Nature Communications</i> , 2018, 9, 2889.	12.8	125
27	Preparation and Extraordinary Room-Temperature CO Sensing Capabilities of Pd@SnO <sub>2</sub> Composite Nanoceramics. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4176-4181.	0.9	12
28	Reversible and nonvolatile ferroelectric control of two-dimensional electronic transport properties of ZrCuSiAs-type copper oxyselenide thin films with a layered structure. <i>Physical Review Materials</i> , 2018, 2, .	2.4	7
29	Evidencing the structural conversion of hydrothermally synthesized titanate nanorods by in situ electron microscopy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3786-3791.	10.3	7
30	Pt@WO <sub>3</sub> porous composite ceramics outstanding for sensing low concentrations of hydrogen in air at room temperature. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6420-6424.	7.1	13
31	A Hierarchically Porous Hollow Structure of Layered Bi <sub>2</sub> TiO <sub>4</sub> F <sub>2</sub> for Efficient Photocatalysis. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1892-1899.	2.0	7
32	Large flexoelectricity in Al <sub>2</sub> O <sub>3</sub> -doped Ba(Ti <sub>0.85</sub> Sn <sub>0.15</sub> )O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	25
33	Large-scale synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C composites by a modified carbothermal reduction method as cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 25422-25428.	3.6	11
34	High-efficiency and mechano-/photo- bi-catalysis of piezoelectric-ZnO@ photoelectric-TiO <sub>2</sub> core-shell nanofibers for dye decomposition. <i>Chemosphere</i> , 2017, 183, 528-535.	8.2	109
35	A new low-temperature solution route to Aurivillius-type layered oxyfluoride perovskites Bi <sub>2</sub> MO <sub>5</sub> F (M) Tj ETQq1 1 0,784314 rgBT /Overl	20.2	24
36	Mechanochemistry of graphene: Tuning ion absorption on graphene via strain. <i>Physica B: Condensed Matter</i> , 2017, 527, 30-34.	2.7	2

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37	Flexoelectric behavior in PIN-PMN-PT single crystals over a wide temperature range. Applied Physics Letters, 2017, 111, .	3.3	23
38	Singular room-temperature hydrogen sensing characteristics with ultrafast recovery of Pt Nb <sub>2</sub> O <sub>5</sub> porous composite ceramics. International Journal of Hydrogen Energy, 2017, 42, 30186-30192.	7.1	15
39	Selenium-doped Black Phosphorus for High-Responsivity 2D Photodetectors. Small, 2016, 12, 5000-5007.	10.0	156
40	Studies of interface characteristics of fine-grain ferroelectric based glass-ceramic composites using impedance spectroscopy. Journal of Alloys and Compounds, 2016, 682, 196-202.	5.5	3
41	Commercial Dacron cloth supported Cu(OH) <sub>2</sub> nanobelt arrays for wearable supercapacitors. Journal of Materials Chemistry A, 2016, 4, 14781-14788.	10.3	78
42	Effects of Ba and Ti co-doping on BiFeO <sub>3</sub> multiferroic ceramics optimized through two-step doping. Journal of Advanced Ceramics, 2016, 5, 204-209.	17.4	5
43	Semiconductor/Piezoelectrics Hybrid Heterostructures with Highly Effective Gate-Tunable Electrotransport and Magnetic Behaviors. ACS Applied Materials & Interfaces, 2016, 8, 26932-26937.	8.0	19
44	Electric-field-treatment-induced enhancement of photoluminescence in Er <sup>3+</sup> -doped (Ba <sub>0.95</sub> Sr <sub>0.05</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> piezoelectric ceramic. Materials Letters, 2016, 184, 131-133.	2.6	26
45	Estimate bond angle dependence of superconducting transition temperature in NaFeAs with the first principle methods. Solid State Communications, 2016, 246, 12-16.	1.9	1
46	Tunable angle-independent refractive index sensor based on Fano resonance in integrated metal and graphene nanoribbons. Scientific Reports, 2016, 6, 29984.	3.3	39
47	Atomic-Scale Mechanism on Nucleation and Growth of Mo <sub>2</sub> C Nanoparticles Revealed by in Situ Transmission Electron Microscopy. Nano Letters, 2016, 16, 7875-7881.	9.1	28
48	Ultrahigh CO Sensing Capability of Au-Doped TiO <sub>2</sub> ; Porous Nanoceramics. Journal of Nanoscience and Nanotechnology, 2016, 16, 9925-9929.	0.9	0
49	Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. Nature Communications, 2016, 7, 11204.	12.8	803
50	Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. Nature Communications, 2016, 7, 12206.	12.8	179
51	Electric Field-Controlled Crystallizing CaCO <sub>3</sub> Nanostructures from Solution. Nanoscale Research Letters, 2016, 11, 120.	5.7	10
52	Flexible fiber hybrid supercapacitor with NiCo <sub>2</sub> O <sub>4</sub> nanograss@carbon fiber and bio-waste derived high surface area porous carbon. Electrochimica Acta, 2016, 211, 411-419.	5.2	126
53	Flexible and wearable fiber shaped high voltage supercapacitors based on copper hexacyanoferrate and porous carbon coated carbon fiber electrodes. Journal of Materials Chemistry A, 2016, 4, 4934-4940.	10.3	61
54	Ferromagnetic and Photocatalytic Properties of Layered Perovskite LaBaCo <sub>2</sub> O <sub>6</sub> Nanostructures. Journal of Nanoscience and Nanotechnology, 2016, 16, 930-933.	0.9	4

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55	Ferroelectric relaxor behavior and dielectric properties of La/Y co-doped (Ba <sub>0.9</sub> Ca <sub>0.1</sub> )(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6150-6155.	2.2	4
56	Suppressing the Coffee-Ring Effect in Semitransparent MnO <sub>2</sub> Film for a High-Performance Solar-Powered Energy Storage Window. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9088-9096.	8.0	26
57	Clam-inspired nanoparticle immobilization method using adhesive tape as microchip substrate. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 106-111.	7.8	20
58	Photocatalytically Active YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Nanoparticles Synthesized via a Soft Chemical Route. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	5
59	Hydrogen Impurity Defects in Rutile TiO <sub>2</sub> . <i>Scientific Reports</i> , 2015, 5, 17634.	3.3	47
60	Photocatalysis of Yttrium Doped BaTiO <sub>3</sub> Nanofibres Synthesized by Electrospinning. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	2.7	6
61	Graphene/Sulfur Hybrid Nanosheets from a Space-Confining Reaction for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2015, 27, 5936-5942.	21.0	124
62	Piezoelectric Nanowires in Energy Harvesting Applications. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-21.	1.8	66
63	Multifunctionalization of Nanostructured Metal Oxides. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-1.	2.7	1
64	Large Energy Storage Density and High Thermal Stability in a Highly Textured (111)-Oriented Pb <sub>0.8</sub> Ba <sub>0.2</sub> ZrO <sub>3</sub> Relaxor Thin Film with the Coexistence of Antiferroelectric and Ferroelectric Phases. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13512-13517.	8.0	185
65	Composite thin films consisting of fine-grained barium strontium titanate for tunable microwave devices. <i>Ceramics International</i> , 2015, 41, S567-S571.	4.8	3
66	Insight into Metalized Interfaces in Nano Devices by Surface Analytical Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27351-27356.	8.0	4
67	(K,Na)NbO <sub>3</sub> Nanofiber-based Self-Powered Sensors for Accurate Detection of Dynamic Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4921-4927.	8.0	29
68	Electrospun Bismuth Ferrite Nanofibers for Potential Applications in Ferroelectric Photovoltaic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3665-3670.	8.0	55
69	Ultrahigh Tunability of Room Temperature Electronic Transport and Ferromagnetism in Dilute Magnetic Semiconductor and PMN-PT Single-Crystal-Based Field Effect Transistors via Electric Charge Mediation. <i>Advanced Functional Materials</i> , 2015, 25, 1111-1119.	14.9	44
70	High dielectric tunability, electrostriction strain and electrocaloric strength at a tricritical point of tetragonal, rhombohedral and pseudocubic phases. <i>Journal of Alloys and Compounds</i> , 2015, 646, 597-602.	5.5	23
71	A rectification-free piezo-supercapacitor with a polyvinylidene fluoride separator and functionalized carbon cloth electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14963-14970.	10.3	118
72	Highly Responsive Room-Temperature Hydrogen Sensing of $\lambda$ -MoO <sub>3</sub> Nanoribbon Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9247-9253.	8.0	125

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73	Giant conductivity enhancement of ferrite insulators induced by atomic hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13112-13116.	2.8	7
74	Giant Electric Energy Density in Epitaxial Lead-Free Thin Films with Coexistence of Ferroelectrics and Antiferroelectrics. <i>Advanced Electronic Materials</i> , 2015, 1, 1500052.	5.1	195
75	Piezostain-enhanced photovoltaic effects in BiFeO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /PMN-PT heterostructures. <i>Nano Energy</i> , 2015, 18, 315-324.	16.0	47
76	Gas sensing capabilities of TiO <sub>2</sub> porous nanoceramics prepared through premature sintering. <i>Journal of Advanced Ceramics</i> , 2015, 4, 152-157.	17.4	15
77	Advances and prospects of fiber supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20863-20879.	10.3	110
78	Magnetostriction-induced enhancement and modulation of photovoltaic performance in Si <sub>1-x</sub> Pb <sub>x</sub> Tb <sub>1-x</sub> Fe <sub>2</sub> composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 641-644.	13.8	7
79	Electric-field-controlled interface strain coupling and non-volatile resistance switching of La <sub>1-x</sub> BaxMnO <sub>3</sub> thin films epitaxially grown on relaxor-based ferroelectric single crystals. <i>Journal of Applied Physics</i> , 2014, 116, 113911.	2.5	3
80	Terahertz Time-Domain Spectroscopy of 0.73Pb <sub>1/3</sub> Nb <sub>2/3</sub> Single Crystal. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1696-1699.	2.3	2
81	Ho and Ti co-doped BiFeO <sub>3</sub> multiferroic ceramics with enhanced magnetization and ultrahigh electrical resistivity. <i>Chinese Physics B</i> , 2014, 23, 037501.	1.4	9
82	Tunable interface strain coupling and its impact on the electronic transport and magnetic properties of La <sub>0.5</sub> C <sub>0.5</sub> Mn <sub>0.5</sub>	3.2	33
83	Comb-like optical transmission spectra generated from one-dimensional two-segment-connected two-material waveguide networks optimized by genetic algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1200-1207.	2.1	15
84	Direct synthesis of barium zirconate titanate (BZT) nanoparticles at room temperature and sintering of their ceramics at low temperature. <i>Ceramics International</i> , 2014, 40, 2747-2750.	4.8	21
85	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8190.	10.3	27
86	Direct observation of carbon nanostructure growth at liquid-solid interfaces. <i>Chemical Communications</i> , 2014, 50, 826-828.	4.1	25
87	Fabrication of Fine-Scale Piezoelectric Arrays by Aqueous Gelcasting. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2590-2595.	3.8	15
88	Low-temperature facile solution-processed gate dielectric for combustion derived oxide thin film transistors. <i>RSC Advances</i> , 2014, 4, 54729-54739.	3.6	44
89	Hydrothermal growth and optical properties of Nb <sub>2</sub> O <sub>5</sub> nanorod arrays. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8185-8190.	5.5	49
90	Microfluidic reactors for photocatalytic water purification. <i>Lab on A Chip</i> , 2014, 14, 1074-1082.	6.0	151

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91	A strategy to reduce the angular dependence of a dye-sensitized solar cell by coupling to a TiO <sub>2</sub> nanotube photonic crystal. <i>Nanoscale</i> , 2014, 6, 13060-13067.	5.6	21
92	Solvothermal synthesis of pyrochlore-type cubic tungsten trioxide hemihydrate and high photocatalytic activity. <i>New Journal of Chemistry</i> , 2014, 38, 3071-3077.	2.8	17
93	The structural and in-plane dielectric/ferroelectric properties of the epitaxial (Ba, Sr)(Zr, Ti)O <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	12
94	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> nanospheres. <i>Nanoscale</i> , 2014, 6, 12426-12433.	5.6	20
95	High dielectric tunability of ferroelectric (Ba <sub>1-x</sub> Sr <sub>x</sub> )(Zr <sub>0.1</sub> Ti <sub>0.9</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2589-2594.	2.2	18
96	Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. <i>Nanoscale Research Letters</i> , 2014, 9, 187.	5.7	36
97	Highly enhanced sinterability of fine-grained Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> /MgO bulk ceramics and in-situ nanocomposite thick films. <i>Ceramics International</i> , 2014, 40, 10475-10481.	4.8	3
98	Nanocomposite of BiPO <sub>4</sub> and reduced graphene oxide as an efficient photocatalyst for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13527-13533.	7.1	47
99	Effects of ferroelectric-poling-induced strain on the electronic transport and magnetic properties of (001)- and (111)-oriented La <sub>0.5</sub> Ba <sub>0.5</sub> MnO <sub>3</sub> thin films. <i>Materials Chemistry and Physics</i> , 2014, 144, 470-475.	4.0	3
100	Interface correlated exchange bias effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films grown on SrTiO <sub>3</sub> substrates. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	17
101	Aperiodic TiO <sub>2</sub> Nanotube Photonic Crystal: Full-Visible-Spectrum Solar Light Harvesting in Photovoltaic Devices. <i>Scientific Reports</i> , 2014, 4, 6442.	3.3	32
102	Estimation of the magnetoelectric coefficient of a piezoelectric-magnetostrictive composite via finite element analysis. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	6
103	Electrospinning preparation and high-temperature superconductivity of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> nanotubes. <i>Journal of Materials Science</i> , 2013, 48, 3985-3990.	3.7	17
104	Synthesis and photocatalytic performance of the electrospun Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> nanofibers. <i>Journal of Materials Science</i> , 2013, 48, 4143-4150.	3.7	32
105	The strain effect and the ferroelectric field effect in LaMnO <sub>3</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> single-crystal heterostructures. <i>Journal of Alloys and Compounds</i> , 2013, 581, 530-533.	5.5	18
106	Enhanced Light Harvesting in Dye-Sensitized Solar Cells Coupled with Titania Nanotube Photonic Crystals: A Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13022-13028.	8.0	22
107	Highly mobile and reactive state of hydrogen in metal oxide semiconductors at room temperature. <i>Scientific Reports</i> , 2013, 3, 3149.	3.3	31
108	Ferroelectric Polarization in Nanocrystalline Hydroxyapatite Thin Films on Silicon. <i>Scientific Reports</i> , 2013, 3, 2215.	3.3	112

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109	Electromechanical Conversion Behavior of $K_{0.5}Na_{0.5}NbO_3$ Nanorods Synthesized by Hydrothermal Method. <i>Integrated Ferroelectrics</i> , 2013, 142, 24-30.	0.7	14
110	Highly entangled carbon nanoflakes on $Li_3V_2(PO_4)_3$ microrods for improved lithium storage performance. <i>RSC Advances</i> , 2013, 3, 1297-1301.	3.6	32
111	Room-temperature large magnetic-dielectric coupling in new phase anatase $VTiO_4$ . <i>Chemical Communications</i> , 2013, 49, 10462.	4.1	7
112	Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. <i>Materials Research Bulletin</i> , 2013, 48, 1213-1217.	5.2	50
113	Magnetostrictive/piezoelectric drum magnetoelectric transducer for $H_2$ detection. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14915-14919.	7.1	9
114	Enhanced magnetoelectrical coupling in cobalt ferrite/lead lanthanum zirconate titanate 0-3 composites through phase boundary modification. <i>Materials Chemistry and Physics</i> , 2013, 143, 34-40.	4.0	4
115	Investigation of interface states in single-negative metamaterial layered structures based on the phase properties. <i>Optics Express</i> , 2013, 21, 16742.	3.4	7
116	Effects of ferroelectric-poling-induced strain on magnetic and transport properties of $La_{0.67}Ba_{0.33}MnO_3$ thin films grown on (111)-oriented ferroelectric substrates. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	18
117	Coupling of magnetic field and lattice strain and its impact on electronic phase separation in $La_{0.335}Pr_{0.335}Ca_{0.33}MnO_3$ /ferroelectric crystal heterostructures. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	22
118	Effects of ferroelectric polarization switching on the electronic transport and magnetic properties of $La_{0.8}Ce_{0.2}MnO_3$ epitaxial thin films. <i>Journal of Applied Physics</i> , 2013, 114, 073904.	2.5	3
119	Heteroepitaxial growth and multiferroic properties of Mn-doped $BiFeO_3$ films on $SrTiO_3$ buffered III-V semiconductor GaAs. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	14
120	TEMPORAL MODULATION OF LIGHT INTENSITY VIA 1D TIME-VARIANT PHOTONIC CRYSTAL STRUCTURE. <i>Progress in Electromagnetics Research</i> , 2013, 135, 627-639.	4.4	1
121	Phase Transition and Optical Properties for Ultrathin $KNbO_3$ Nanowires. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-5.	1.1	7
122	Dielectric Properties of Barium Titanate Ceramics Modified by CuO in Different Methods. <i>Advanced Materials Research</i> , 2012, 463-464, 276-280.	0.3	0
123	Study of optical Tamm states based on the phase properties of one-dimensional photonic crystals. <i>Optics Express</i> , 2012, 20, 21618.	3.4	32
124	Time-variant 1D photonic crystals using flowing microdroplets. <i>Optics Express</i> , 2012, 20, 24330.	3.4	4
125	Coaction and competition between the ferroelectric field effect and the strain effect in $Pr_{0.5}Ca_{0.5}MnO_3$ film/ $0.67Pb(Mg_{1/3}Nb_{2/3})O_3-0.33PbTiO_3$ crystal heterostructures. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	23
126	Tunable strain effect and ferroelectric field effect on the electronic transport properties of $La_{0.5}Sr_{0.5}CoO_3$ thin films. <i>Journal of Applied Physics</i> , 2012, 111, 103702.	2.5	14



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127	Size control of vapor bubbles on a silver film by a tuned CW laser. <i>AIP Advances</i> , 2012, 2, 022155.	1.3	8
128	Influence of multi-component glass on sintering behavior and microwave properties of Zr non-stoichiometrically substituted $\text{Ca}[(\text{Li}_{1/3}\text{Nb}_{2/3})\text{O}_3]_x$ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1775-1782.	2.2	6
129	Effects of electric-field-induced piezoelectric strain on the electronic transport properties of $\text{La}_{0.9}\text{Ce}_{0.1}\text{MnO}_3$ thin films. <i>Thin Solid Films</i> , 2012, 525, 45-48.	1.8	2
130	Interface strain coupling and its impact on the transport and magnetic properties of $\text{LaMnO}_3$ thin films grown on ferroelectrically active substrates. <i>Journal of Alloys and Compounds</i> , 2012, 519, 77-81.	5.5	14
131	Enhancement of electrochemical capacitive properties based on complementation of morphologies. <i>Electrochimica Acta</i> , 2012, 81, 1-7.	5.2	16
132	Microfluidic flow direction control using continuous-wave laser. <i>Sensors and Actuators A: Physical</i> , 2012, 188, 329-334.	4.1	8
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