

# Yu Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

323  
papers

11,075  
citations

48  
h-index

95  
g-index

330  
ext. papers

12,083  
ext. citations

4.8  
avg, IF

6.14  
L-index

#	Paper	IF	Citations
323	Design of a ZnO/Poly(vinylidene fluoride) inverse opal film for photon localization-assisted full solar spectrum photocatalysis. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 184-192	11.3	13
322	FeCo alloy catalysts promoting polysulfide conversion for advanced lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 49, 339-347	12	19
321	Applications of ESEM on Materials Science: Recent Updates and a Look Forward. <i>Small Methods</i> , <b>2020</b> , 4, 1900588	12.8	6
320	Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45005-45014	9.5	15
319	Negative Coriolis effect in piezoelectric metamaterials. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 801, 262-266	3.6	1
318	Flexoelectric materials and their related applications: A focused review. <i>Journal of Advanced Ceramics</i> , <b>2019</b> , 8, 153-173	10.7	58
317	Silkworm Excrement Derived In-situ Co-doped Nanoporous Carbon as Confining Sulfur Host for Lithium Sulfur Batteries. <i>ChemistrySelect</i> , <b>2019</b> , 4, 5678-5685	1.8	3
316	In situ observations for growth kinetics of water droplets on Bambusa multiplex leaves. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 153702	3.4	1
315	Effects of Long- and Short-Range Ferroelectric Order on the Electrocaloric Effect in Relaxor Ferroelectric Ceramics. <i>Physical Review Applied</i> , <b>2019</b> , 11,	4.3	36
314	Energy storage in BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films with high efficiency. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 134101	2.5	7
313	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. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 869-875	1.5	1
312	Unique elastic, dielectric and piezoelectric properties of micro-architected metamaterials. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2758-2765	7.1	8
311	Observable Two-Step Nucleation Mechanism in Solid-State Formation of Tungsten Carbide. <i>ACS Nano</i> , <b>2019</b> , 13, 681-688	16.7	18
310	Mechanism study on extraordinary room-temperature CO sensing capabilities of Pd-SnO <sub>2</sub> composite nanoceramics. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 49-55	8.5	23
309	Origin of Ferroelectricity in Epitaxial Si-Doped HfO Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4139-4144	9.5	23
308	Three-dimensional macroporous graphene monoliths with entrapped MoS nanoflakes from single-step synthesis for high-performance sodium-ion batteries.. <i>RSC Advances</i> , <b>2018</b> , 8, 2477-2484	3.7	10
307	Magnetism of a relaxed single atom vacancy in graphene. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 534, 184-188	1	1

306	van der Waals epitaxy of Al-doped ZnO film on mica as a flexible transparent heater with ultrafast thermal response. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 031905	3.4	32
305	Effect of post-annealing on laser-ablation deposited WS <sub>2</sub> thin films. <i>Vacuum</i> , <b>2018</b> , 152, 239-242	3.7	7
304	Room-temperature pyro-catalytic hydrogen generation of 2D few-layer black phosphorene under cold-hot alternation. <i>Nature Communications</i> , <b>2018</b> , 9, 2889	17.4	85
303	Preparation and Extraordinary Room-Temperature CO Sensing Capabilities of Pd-SnO <sub>2</sub> Composite Nanoceramics. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 4176-4181	1.3	6
302	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> , <b>2018</b> , 2,	3.2	6
301	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> , <b>2018</b> , 113, 223504	3.4	3
300	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 Materiomics</i> , <b>2018</b> , 4, 412-417	6.7	1
299	In Situ Observation of Ice Formation from Water Vapor by Environmental SEM. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6602-6608	3.5	4
298	Flexoelectric fatigue in (K,Na,Li)(Nb,Sb)O <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 182901	3.4	10
297	Reversible and nonvolatile manipulation of the electronic transport properties of topological insulators by ferroelectric polarization switching. <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	15
296	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> , <b>2018</b> , 10, 32809-32817	9.5	17
295	Evidencing the structural conversion of hydrothermally synthesized titanate nanorods by in situ electron microscopy. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3786-3791	13	5
294	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> , <b>2017</b> , 42, 6420-6424	6.7	10
293	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> , <b>2017</b> , 2017, 1892-1899	2.3	7
292	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> , <b>2017</b> , 110, 192903	3.4	19
291	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> , <b>2017</b> , 7, 25422-25428	3.7	10
290	High-efficiency and mechano-/photo- bi-catalysis of piezoelectric-ZnO@ photoelectric-TiO <sub>2</sub> core-shell nanofibers for dye decomposition. <i>Chemosphere</i> , <b>2017</b> , 183, 528-535	8.4	76
289	A new low-temperature solution route to Aurivillius-type layered oxyfluoride perovskites Bi <sub>2</sub> MO <sub>5</sub> F (M = Nb, Ta) as photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 205, 112-120	21.8	18

288	Mechanochemistry of graphene: Tuning ion absorption on graphene via strain. <i>Physica B: Condensed Matter</i> , <b>2017</b> , 527, 30-34	2.8	2
287	Flexoelectric behavior in PIN-PMN-PT single crystals over a wide temperature range. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 162901	3.4	16
286	Singular room-temperature hydrogen sensing characteristics with ultrafast recovery of Pt Nb <sub>2</sub> O <sub>5</sub> porous composite ceramics. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 30186-30192	6.7	12
285	Commercial Dacron cloth supported Cu(OH) <sub>2</sub> nanobelt arrays for wearable supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14781-14788	13	62
284	Effects of Ba and Ti co-doping on BiFeO <sub>3</sub> multiferroic ceramics optimized through two-step doping. <i>Journal of Advanced Ceramics</i> , <b>2016</b> , 5, 204-209	10.7	4
283	Semiconductor/Piezoelectrics Hybrid Heterostructures with Highly Effective Gate-Tunable Electrotransport and Magnetic Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26932-26937	9.5	18
282	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. <i>Materials Letters</i> , <b>2016</b> , 184, 131-133	3.3	19
281	Estimate bond angle dependence of superconducting transition temperature in NaFeAs with the first principle methods. <i>Solid State Communications</i> , <b>2016</b> , 246, 12-16	1.6	
280	Tunable angle-independent refractive index sensor based on Fano resonance in integrated metal and graphene nanoribbons. <i>Scientific Reports</i> , <b>2016</b> , 6, 29984	4.9	31
279	Atomic-Scale Mechanism on Nucleation and Growth of MoC Nanoparticles Revealed by in Situ Transmission Electron Microscopy. <i>Nano Letters</i> , <b>2016</b> , 16, 7875-7881	11.5	21
278	Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. <i>Nature Communications</i> , <b>2016</b> , 7, 11204	17.4	679
277	Direct TEM observations of growth mechanisms of two-dimensional MoS <sub>2</sub> flakes. <i>Nature Communications</i> , <b>2016</b> , 7, 12206	17.4	147
276	Electric Field-Controlled Crystallizing CaCO <sub>3</sub> Nanostructures from Solution. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 120	5	8
275	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. <i>Electrochimica Acta</i> , <b>2016</b> , 211, 411-419	6.7	91
274	Flexible and wearable fiber shaped high voltage supercapacitors based on copper hexacyanoferrate and porous carbon coated carbon fiber electrodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4934-4940	13	48
273	Ferromagnetic and Photocatalytic Properties of Layered Perovskite LaBaCo <sub>0.9</sub> Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 930-3	1.3	4
272	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> , <b>2016</b> , 27, 6150-6155	2.1	2
271	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> , <b>2016</b> , 8, 9088-96	9.5	25

270	Clam-inspired nanoparticle immobilization method using adhesive tape as microchip substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 106-111	8.5	17
269	Selenium-Doped Black Phosphorus for High-Responsivity 2D Photodetectors. <i>Small</i> , <b>2016</b> , 12, 5000-5007	11	132
268	Studies of interface characteristics of fine-grain ferroelectric based glass-ceramic composites using impedance spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 682, 196-202	5.7	3
267	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> , <b>2015</b> , 646, 597-602	5.7	20
266	A rectification-free piezo-supercapacitor with a polyvinylidene fluoride separator and functionalized carbon cloth electrodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14963-14970	13	88
265	Highly Responsive Room-Temperature Hydrogen Sensing of MoO <sub>3</sub> Nanoribbon Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9247-53	9.5	89
264	Giant conductivity enhancement of ferrite insulators induced by atomic hydrogen. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 13112-6	3.6	7
263	Giant Electric Energy Density in Epitaxial Lead-Free Thin Films with Coexistence of Ferroelectrics and Antiferroelectrics. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500052	6.4	141
262	Piezostain-enhanced photovoltaic effects in BiFeO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /PMNBT heterostructures. <i>Nano Energy</i> , <b>2015</b> , 18, 315-324	17.1	39
261	Gas sensing capabilities of TiO <sub>2</sub> porous nanoceramics prepared through premature sintering. <i>Journal of Advanced Ceramics</i> , <b>2015</b> , 4, 152-157	10.7	12
260	Advances and prospects of fiber supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20863-20879	13	92
259	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> , <b>2015</b> , 2015, 1-5	3.2	3
258	Hydrogen Impurity Defects in Rutile TiO <sub>2</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 17634	4.9	37
257	Photocatalysis of Yttrium Doped BaTiO <sub>3</sub> Nanofibres Synthesized by Electrospinning. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-6	3.2	3
256	Graphene/sulfur hybrid nanosheets from a space-confined "sauna" reaction for high-performance lithium-sulfur batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 5936-42	24	106
255	Piezoelectric Nanowires in Energy Harvesting Applications. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-21	1.5	50
254	Multifunctionalization of Nanostructured Metal Oxides. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-1	3.2	1
253	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> , <b>2015</b> , 7, 13512-7	9.5	148

252	Composite thin films consisting of fine-grained barium strontium titanate for tunable microwave devices. <i>Ceramics International</i> , <b>2015</b> , 41, S567-S571	5.1	2
251	Insight into Metalized Interfaces in Nano Devices by Surface Analytical Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27351-6	9.5	2
250	(K,Na)NbO <sub>3</sub> nanofiber-based self-powered sensors for accurate detection of dynamic strain. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 4921-7	9.5	24
249	Electrospun bismuth ferrite nanofibers for potential applications in ferroelectric photovoltaic devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 3665-70	9.5	41
248	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> , <b>2015</b> , 25, 1111-1119	15.6	40
247	Aperiodic TiO <sub>2</sub> nanotube photonic crystal: full-visible-spectrum solar light harvesting in photovoltaic devices. <i>Scientific Reports</i> , <b>2014</b> , 4, 6442	4.9	23
246	Direct synthesis of barium zirconate titanate (BZT) nanoparticles at room temperature and sintering of their ceramics at low temperature. <i>Ceramics International</i> , <b>2014</b> , 40, 2747-2750	5.1	17
245	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 8190	13	25
244	Direct observation of carbon nanostructure growth at liquid-solid interfaces. <i>Chemical Communications</i> , <b>2014</b> , 50, 826-8	5.8	22
243	Fabrication of Fine-Scale 1D Piezoelectric Arrays by Aqueous Gelcasting. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2590-2595	3.8	10
242	Low-temperature facile solution-processed gate dielectric for combustion derived oxide thin film transistors. <i>RSC Advances</i> , <b>2014</b> , 4, 54729-54739	3.7	42
241	Hydrothermal growth and optical properties of Nb <sub>2</sub> O <sub>5</sub> nanorod arrays. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8185-8190	7.1	42
240	Microfluidic reactors for photocatalytic water purification. <i>Lab on A Chip</i> , <b>2014</b> , 14, 1074-82	7.2	112
239	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> , <b>2014</b> , 6, 13060-7	7.7	18
238	Solvothermal synthesis of pyrochlore-type cubic tungsten trioxide hemihydrate and high photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3071-3077	3.6	14
237	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> , <b>2014</b> , 115, 234102	2.5	9
236	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> , <b>2014</b> , 6, 12426-33	7.7	19
235	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> , <b>2014</b> , 25, 2589-2594	2.1	15



234	Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 187	5	27
233	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> , <b>2014</b> , 40, 10475-10481	5.1	3
232	Nanocomposite of BiPO <sub>4</sub> and reduced graphene oxide as an efficient photocatalyst for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 13527-13533	6.7	42
231	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> , <b>2014</b> , 144, 470-475	4.4	2
230	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> , <b>2014</b> , 105, 241604	3.4	12
229	Magnetostriction-strain-induced enhancement and modulation of photovoltaic performance in Si-p <sup>n</sup> /TbxDy <sub>1-x</sub> Fe <sub>2</sub> composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 641-644	1.6	4
228	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> , <b>2014</b> , 116, 113911	2.5	3
227	Terahertz Time-Domain Spectroscopy of 0.73Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /0.27PbTiO <sub>3</sub> Single Crystal. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1696-1699	3.8	2
226	Ho and Ti co-doped BiFeO <sub>3</sub> multiferroic ceramics with enhanced magnetization and ultrahigh electrical resistivity. <i>Chinese Physics B</i> , <b>2014</b> , 23, 037501	1.2	9
225	Tunable interface strain coupling and its impact on the electronic transport and magnetic properties of La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> /Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> multiferroic heterostructures. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	29
224	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> , <b>2014</b> , 378, 1200-1207	2.3	13
223	Estimation of the magnetoelectric coefficient of a piezoelectric-magnetostrictive composite via finite element analysis. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 027012	2.5	4
222	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> , <b>2013</b> , 48, 3985-3990	4.3	13
221	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> , <b>2013</b> , 48, 4143-4150	4.3	29
220	The strain effect and the ferroelectric field effect in LaMnO <sub>3</sub> /film/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> , <b>2013</b> , 581, 530-533	5.7	14
219	Enhanced light harvesting in dye-sensitized solar cells coupled with titania nanotube photonic crystals: a theoretical study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13022-8	9.5	21
218	Highly mobile and reactive state of hydrogen in metal oxide semiconductors at room temperature. <i>Scientific Reports</i> , <b>2013</b> , 3, 3149	4.9	24
217	Ferroelectric polarization in nanocrystalline hydroxyapatite thin films on silicon. <i>Scientific Reports</i> , <b>2013</b> , 3, 2215	4.9	88

216	Electromechanical Conversion Behavior of $K_{0.5}Na_{0.5}NbO_3$ Nanorods Synthesized by Hydrothermal Method. <i>Integrated Ferroelectrics</i> , <b>2013</b> , 142, 24-30	0.8	12
215	Highly entangled carbon nanoflakes on $Li_3V_2(PO_4)_3$ microrods for improved lithium storage performance. <i>RSC Advances</i> , <b>2013</b> , 3, 1297-1301	3.7	32
214	Room-temperature large magnetic-dielectric coupling in new phase anatase $VTiO(4)$ . <i>Chemical Communications</i> , <b>2013</b> , 49, 10462-4	5.8	4
213	Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1213-1217	5.1	39
212	Magnetostrictive/piezoelectric drum magnetoelectric transducer for $H_2$ detection. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 14915-14919	6.7	6
211	Enhanced magnetoelectrical coupling in cobalt ferrite/lead lanthanum zirconate titanate 0-3 composites through phase boundary modification. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 143, 34-40	4.4	2
210	Investigation of interface states in single-negative metamaterial layered structures based on the phase properties. <i>Optics Express</i> , <b>2013</b> , 21, 16742-52	3.3	7
209	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> , <b>2013</b> , 103, 132910	3.4	16
208	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> , <b>2013</b> , 103, 263507	3.4	17
207	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> , <b>2013</b> , 114, 073904	2.5	3
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204	Phase Transition and Optical Properties for Ultrathin $KNbO_3$ Nanowires. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	5
203	Epitaxial growth and interface strain coupling effects in manganite film/piezoelectric-crystal multiferroic heterostructures. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 133, 42-46	4.4	15
202	Crystalline and electronic structures of lithium silicates: A density functional theory study. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 420, 31-38	3.3	24
201	Experimental investigation of photonic band gap in one-dimensional photonic crystals with metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 1396-1400	2.3	14
200	Piezo-phototronic effect-induced dual-mode light and ultrasound emissions from $ZnS:Mn/PMN-PT$ thin-film structures. <i>Advanced Materials</i> , <b>2012</b> , 24, 1729-35	24	125
199	Chemical solution approach to $SrTiO_3$ synthesis using a new precursor. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 433-439	4.3	4



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194	Microfluidic flow direction control using continuous-wave laser. <i>Sensors and Actuators A: Physical</i> , <b>2012</b> , 188, 329-334	3.9	6
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113	Electrospinning Preparation and Photoluminescence Properties of Lanthanum Phosphate Nanowires and Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9609-9615	3.8	56
112	Anisotropic-strain-induced monoclinic distortion and robust charge-ordering in ultrathin Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> films. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 062004	3	9
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110	Structure and Properties of Hydrogen-Charged Electrochromic Nb <sub>2</sub> O <sub>5</sub> Ceramics. <i>Advanced Materials Research</i> , <b>2009</b> , 79-82, 1619-1622	0.5	1
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94	Hydrogen-induced degradation in multiferroic $\text{BiFeO}_3$ ceramics. <i>Materials Letters</i> , <b>2007</b> , 61, 4354-4357	3.3	7
93	Processing and properties of Yb-doped $\text{BiFeO}_3$ ceramics. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 082906	3.4	100
92	Effects of electrochemical hydrogen charging on electrical properties of $\text{WO}_3$ ceramics. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 2524-2527	4.3	12
91	Dielectric Properties of (001)-Oriented $\text{Ba}(\text{Zr}_{0.25}\text{Ti}_{0.75})\text{O}_3$ Thin Films Prepared by Pulsed Laser Deposition. <i>Ferroelectrics</i> , <b>2007</b> , 357, 121-127	0.6	4



90	Thickness dependence of in-plane dielectric and ferroelectric properties of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films epitaxially grown on LaAlO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2007</b> , 90, 132902	3.4	17
89	Microstructure and dielectric relaxor properties for Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructure. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 084101	2.5	24
88	Determination of the strain dependence of resistance in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /PMNBT using the converse piezoelectric effect. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	60
87	Strain-mediated electric-field control of resistance in the La <sub>0.85</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> /0.7Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /0.3PbTiO <sub>3</sub> structure. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 152904	3.4	27
86	IN-PLANE DIELECTRIC PROPERTIES OF EPITAXIAL Ba(Zr <sub>0.3</sub> Ti <sub>0.7</sub> )O <sub>3</sub> THIN FILM GROWN ON LSAT (001) SINGLE CRYSTAL SUBSTRATE. <i>Integrated Ferroelectrics</i> , <b>2007</b> , 93, 154-160	0.8	1
85	Tuning the Resistance of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Thin Films by Converse Piezoelectric Effect. <i>Ferroelectrics</i> , <b>2007</b> , 357, 87-91	0.6	1
84	Spark Plasma Sintering of Core-Shell Structured (Mg,Zn)O Wrapped Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> Nanopowder. <i>Key Engineering Materials</i> , <b>2007</b> , 334-335, 1037-1040	0.4	1
83	Preparation and Properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Ba (Hf,Ti)TiO <sub>3</sub> Lead-Free Piezoelectric Ceramics. <i>Key Engineering Materials</i> , <b>2007</b> , 334-335, 957-960	0.4	
82	Structure and Dielectric Properties of Barium Strontium Titanate Thin Films Grown on LSAT Substrates. <i>Ferroelectrics</i> , <b>2007</b> , 357, 160-165	0.6	1
81	Effect of substrate-induced strains on the spontaneous polarization of epitaxial BiFeO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 114105	2.5	105
80	Preparation and characterization of hafnium doped barium titanate ceramics. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 431, 197-202	5.7	50
79	ZnO-based film bulk acoustic resonator for high sensitivity biosensor applications. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 143503	3.4	66
78	Epitaxial growth of SrTiO <sub>3</sub> thin film on Si by laser molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 012902	3.4	22
77	A quantitative analysis on the interfacial effect in the Pt/Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructure. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 2565-2570 <sup>12</sup>		
76	Dielectric properties and abnormal C-V characteristics of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> /Bi <sub>1.5</sub> ZnNb <sub>1.5</sub> O <sub>7</sub> composite thin films grown on MgO (001) substrates by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 142905	3.4	13
75	Hydrogen-related dynamic dielectric behavior of barium titanate single crystals. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 202906	3.4	11
74	Microstructure and enhanced in-plane ferroelectricity of Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films grown on MgAl <sub>2</sub> O <sub>4</sub> (001) single-crystal substrate. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 232906	3.4	21
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72	Effects of ferroelectric polarization and converse piezoelectric effect induced lattice strain on the electrical properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 123714	2.5	16
71	INFLUENCE OF PROCESSING CONDITIONS ON THE STRUCTURE OF STRONTIUM TITANATE THIN FILMS GROWN ON SI BY LASER MBE. <i>Integrated Ferroelectrics</i> , <b>2006</b> , 86, 109-116	0.8	3
70	Tuning the electrical properties of La <sub>0.75</sub> Ca <sub>0.25</sub> MnO <sub>3</sub> thin films by ferroelectric polarization, ferroelectric-field effect, and converse piezoelectric effect. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	34
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68	NiAl diffusion barrier layer for integrating ferroelectric capacitors on Si. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 252903	3.4	23
67	Room temperature synthesis of titania microspheres by hydrolysis of titanium alkoxide using water vapor. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 413, 307-311	5.7	5
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60	Structural and electrical characteristics of highly textured oxidation-free Ru thin films by DC magnetron sputtering. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 392, 231-236	5.7	2
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