

# Yu Wang

## List of Publications by Citations

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323  
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11,075  
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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	Superparamagnetic Colloids: Controlled Synthesis and Niche Applications. <i>Advanced Materials</i> , <b>2007</b> , 19, 33-60	24	813
322	Large electrocaloric effect in ferroelectric polymers near room temperature. <i>Science</i> , <b>2008</b> , 321, 821-3	33.3	813
321	Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. <i>Nature Communications</i> , <b>2016</b> , 7, 11204	17.4	679
320	WO <sub>3</sub> nanorods/graphene nanocomposites for high-efficiency visible-light-driven photocatalysis and NO <sub>2</sub> gas sensing. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 8525		437
319	Large area, continuous, few-layered graphene as anodes in organic photovoltaic devices. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 063302	3.4	368
318	Magnetoelectric CoFe <sub>2</sub> O <sub>4</sub> /Bb(Zr,Ti)O <sub>3</sub> composite thin films derived by a sol-gel process. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 122501	3.4	265
317	Tailoring a two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (001) interface by epitaxial strain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 4720-4724	11.5	207
316	Hydrogen induced metallicity on the ZnO(1010) surface. <i>Physical Review Letters</i> , <b>2005</b> , 95, 266104	7.4	183
315	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
314	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
313	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
312	Direct and seamless coupling of TiO <sub>2</sub> nanotube photonic crystal to dye-sensitized solar cell: a single-step approach. <i>Advanced Materials</i> , <b>2011</b> , 23, 5624-8	24	133
311	Selenium-Doped Black Phosphorus for High-Responsivity 2D Photodetectors. <i>Small</i> , <b>2016</b> , 12, 5000-5007	11	132
310	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
309	Large magnetostriction from morphotropic phase boundary in ferromagnets. <i>Physical Review Letters</i> , <b>2010</b> , 104, 197201	7.4	121
308	Design and coupling of multifunctional TiO <sub>2</sub> nanotube photonic crystal to nanocrystalline titania layer as semi-transparent photoanode for dye-sensitized solar cell. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9881	35.4	119
307	Epitaxial ferroelectric Pb(Zr, Ti)O <sub>3</sub> thin films on Si using SrTiO <sub>3</sub> template layers. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 97-99	3.4	117

306	Electrospinning preparation and room temperature gas sensing properties of porous In <sub>2</sub> O <sub>3</sub> nanotubes and nanowires. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 147, 531-538	8.5	116
305	Microfluidic reactors for photocatalytic water purification. <i>Lab on A Chip</i> , <b>2014</b> , 14, 1074-82	7.2	112
304	Electric modulation of magnetization at the BaTiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> interfaces. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 232904	3.4	107
303	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
302	Visible Light Responsive Perovskite BiFeO <sub>3</sub> Pills and Rods with Dominant {111}c Facets. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 1049-1053	3.5	106
301	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
300	Processing and properties of Yb-doped BiFeO <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 082906	3.4	100
299	Fast and highly-sensitive hydrogen sensing of Nb <sub>2</sub> O <sub>5</sub> nanowires at room temperature. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 4526-4532	6.7	96
298	Laser-induced thermal bubbles for microfluidic applications. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1389-95	7.2	96
297	Advances and prospects of fiber supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20863-20879	13	92
296	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
295	Generation of Janus alginate hydrogel particles with magnetic anisotropy for cell encapsulation. <i>Lab on A Chip</i> , <b>2009</b> , 9, 2981-6	7.2	90
294	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
293	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
292	Ferroelectric polarization in nanocrystalline hydroxyapatite thin films on silicon. <i>Scientific Reports</i> , <b>2013</b> , 3, 2215	4.9	88
291	Piezoelectric properties of Mn-doped (Na <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>0.92</sub> Ba <sub>0.08</sub> TiO <sub>3</sub> ceramics. <i>Materials Letters</i> , <b>2005</b> , 59, 1649-1652	3.3	86
290	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
289	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

288	ZnO-based film bulk acoustic resonator for high sensitivity biosensor applications. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 143503	3.4	66
287	Engineering Nanostructured Bi <sub>2</sub> WO <sub>6</sub> /TiO <sub>2</sub> Toward Effective Utilization of Natural Light in Photocatalysis. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 4157-4161	3.8	64
286	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
285	Gas-Sensing Properties of Perovskite BiFeO <sub>3</sub> Nanoparticles. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 3105-3107	3.8	60
284	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
283	Flexoelectric materials and their related applications: A focused review. <i>Journal of Advanced Ceramics</i> , <b>2019</b> , 8, 153-173	10.7	58
282	Preparation of TiO <sub>2</sub> /ITO and TiO <sub>2</sub> /Ti photoelectrodes by magnetron sputtering for photocatalytic application. <i>Applied Catalysis A: General</i> , <b>2006</b> , 305, 54-63	5.1	57
281	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
280	Synthesis of Bismuth Ferrite Nanoparticles via a Wet Chemical Route at Low Temperature. <i>Journal of Nanomaterials</i> , <b>2011</b> , 2011, 1-6	3.2	55
279	Microstructures and electrical conductance of silver nanocrystalline thin films on flexible polymer substrates. <i>Surface and Coatings Technology</i> , <b>2010</b> , 204, 1206-1210	4.4	53
278	Controllable Hydrothermal Synthesis of KTa <sub>1-x</sub> NbxO <sub>3</sub> Nanostructures with Various Morphologies and Their Growth Mechanisms. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 832-837	3.5	53
277	Piezoelectric Nanowires in Energy Harvesting Applications. <i>Advances in Materials Science and Engineering</i> , <b>2015</b> , 2015, 1-21	1.5	50
276	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
275	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
274	Novel gas sensing materials based on CuS hollow spheres. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 118, 423-426	5.3	47
273	Direct synthesis of ultrafine tetragonal BaTiO <sub>3</sub> nanoparticles at room temperature. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 466	5	43
272	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
271	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

270	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
269	Enhanced in-plane ferroelectricity in Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> thin films grown on MgO (001) single-crystal substrate. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 212904	3.4	42
268	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
267	Direct observation of charge order and an orbital glass state in multiferroic LuFe <sub>2</sub> O <sub>4</sub> . <i>Physical Review Letters</i> , <b>2009</b> , 103, 077602	7.4	41
266	Effects of electrochemical hydrogen charging on lead-based relaxor ferroelectric multilayer ceramic capacitors. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 1110-1112	2.5	41
265	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
264	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
263	Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1213-1217	5.1	39
262	Open-ended TiO <sub>2</sub> nanotubes formed by two-step anodization and their application in dye-sensitized solar cells. <i>Nanoscale</i> , <b>2012</b> , 4, 448-50	7.7	39
261	Optofluidic microcavities: Dye-lasers and biosensors. <i>Biomicrofluidics</i> , <b>2010</b> , 4, 043002	3.2	39
260	Ferroelectric poling and converse-piezoelectric-effect-induced strain effects in La <sub>0.7</sub> Ba <sub>0.3</sub> MnO <sub>3</sub> thin films grown on ferroelectric single-crystal substrates. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	39
259	Direct large-scale synthesis of perovskite barium strontium titanate nano-particles from solutions. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 279-284	3.3	39
258	Hot-pressed K <sub>0.48</sub> Na <sub>0.52</sub> Nb <sub>1-x</sub> BixO <sub>3</sub> (x=0.05-0.15) lead-free ceramics for electro-optic applications. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 131, 320-324	4.4	38
257	Hydrogen Impurity Defects in Rutile TiO <sub>2</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 17634	4.9	37
256	Hydrogen: A metastable donor in TiO <sub>2</sub> single crystals. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 112907	3.4	37
255	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
254	Nonstoichiometric BiFe <sub>0.9</sub> Ti <sub>0.05</sub> O <sub>3</sub> multiferroic ceramics with ultrahigh electrical resistivity. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 094112	2.5	36
253	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

252	Monitoring of dopamine release in single cell using ultrasensitive ITO microsensors modified with carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2917-21	11.8	33
251	A microfluidic system with surface modified piezoelectric sensor for trapping and detection of cancer cells. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 935-9	11.8	33
250	Effects of Ca doping on the Curie temperature, structural, dielectric, and elastic properties of Ba <sub>0.4</sub> Sr <sub>0.6-x</sub> CaxTiO <sub>3</sub> (0 ≤ x ≤ 0.3) perovskites. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 084108	2.5	33
249	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
248	Highly entangled carbon nanoflakes on Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> microrods for improved lithium storage performance. <i>RSC Advances</i> , <b>2013</b> , 3, 1297-1301	3.7	32
247	Effect of lattice-misfit strain on the process-induced imprint behavior in epitaxial Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1583-1585	3.4	32
246	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
245	Spontaneous recovery of hydrogen-degraded TiO <sub>2</sub> ceramic capacitors. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 103-105	3.4	30
244	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
243	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
242	Influence of Electroless Nickel Plating on Multilayer Ceramic Capacitors and the Implications for Reliability in Multilayer Ceramic Capacitors. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 2751-2752	3.8	29
241	Substrate-induced strain effect in La <sub>0.875</sub> Ba <sub>0.125</sub> MnO <sub>3</sub> thin films grown on ferroelectric single-crystal substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 082908	3.4	28
240	Activation field and fatigue of (Pb, La)(Zr, Ti)O <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 4186-4188	3.4	28
239	Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 187	5	27
238	Strain-mediated electric-field control of resistance in the La <sub>0.85</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> structure. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 152904	3.4	27
237	Modulated charged defects and conduction behaviour in doped BiFeO <sub>3</sub> thin films. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 162001	3	26
236	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
235	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

234	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
233	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
232	(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
231	Application of Weibull distribution analysis to the dielectric failure of multilayer ceramic capacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1997</b> , 47, 197-203	3.1	24
230	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
229	Core-shell structure of nanoscaled Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> self-wrapped by MgO derived from a direct solution synthesis at room temperature. <i>Nanotechnology</i> , <b>2005</b> , 16, 47-52	3.4	24
228	In-plane dielectric properties of epitaxial 0.65Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ·0.35PbTiO <sub>3</sub> thin films in a very wide frequency range. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1580-1582	3.4	24
227	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
226	NiAl diffusion barrier layer for integrating ferroelectric capacitors on Si. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 252903	3.4	23
225	Hydrogen-induced delayed fracture of PZT ceramics during dynamic charging under constant load. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2003</b> , 98, 1-5	3.1	23
224	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
223	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
222	Direct observation of carbon nanostructure growth at liquid-solid interfaces. <i>Chemical Communications</i> , <b>2014</b> , 50, 826-8	5.8	22
221	A strong correlation of crystal structure and Curie point of barium titanate ceramics with Ba/Ti ratio of precursor composition. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 660-663	2.8	22
220	Improvement of ferroelectric fatigue endurance in multiferroic (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> (Bi <sub>1.05</sub> La <sub>0.05</sub> )FeO <sub>3</sub> (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> sandwich structures. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 062902	3.4	22
219	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
218	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
217	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

216	Orientation-Control Synthesis of $\text{KTa}_{0.25}\text{Nb}_{0.75}\text{O}_3$ Nanorods. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 609-613	3.8	21
215	Investigation of substrate-induced strain effects in $\text{La}_{0.7}\text{Ca}_{0.15}\text{Sr}_{0.15}\text{MnO}_3$ thin films using ferroelectric polarization and the converse piezoelectric effect. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 102904	3.4	21
214	Microstructure and enhanced in-plane ferroelectricity of $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ thin films grown on $\text{MgAl}_2\text{O}_4$ (001) single-crystal substrate. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 232906	3.4	21
213	A simple and convenient route to prepare poly(vinylidene fluoride trifluoroethylene) copolymer nanowires and nanotubes. <i>Chemical Communications</i> , <b>2005</b> , 1447-9	5.8	21
212	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
211	Release monitoring of single cells on a microfluidic device coupled with fluorescence microscopy and electrochemistry. <i>Biomicrofluidics</i> , <b>2010</b> , 4, 43009	3.2	20
210	Dielectric properties of barium titanate ceramics modified by $\text{SiO}_2$ and by $\text{BaO}\cdot\text{SiO}_2$ . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 2374-2376	2.8	20
209	Influence of oxygen partial pressure on the structural and dielectric properties of $\text{Ba}(\text{Zr}_{0.3}\text{Ti}_{0.7})\text{O}_3$ thin films grown on $(\text{LaAlO}_3)_{0.3}(\text{Sr}_2\text{AlTaO}_6)_{0.35}$ (001) using pulsed laser deposition. <i>Thin Solid Films</i> , <b>2009</b> , 517, 2092-2098	2.2	20
208	Study of optical Tamm states based on the phase properties of one-dimensional photonic crystals. <i>Optics Express</i> , <b>2012</b> , 20, 21618-26	3.3	20
207	Coaction and competition between the ferroelectric field effect and the strain effect in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ film/ $0.67\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $0.33\text{PbTiO}_3$ crystal heterostructures. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 172906	3.4	20
206	Effect of defect-induced internal field on the aging of relaxors. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	20
205	Large flexoelectricity in $\text{Al}_2\text{O}_3$ -doped $\text{Ba}(\text{Ti}_{0.85}\text{Sn}_{0.15})\text{O}_3$ ceramics. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 192903	3.4	19
204	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
203	Electric-field-treatment-induced enhancement of photoluminescence in $\text{Er}^{3+}$ -doped $(\text{Ba}_{0.95}\text{Sr}_{0.05})(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ piezoelectric ceramic. <i>Materials Letters</i> , <b>2016</b> , 184, 131-133	3.3	19
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196	Optical properties of octahedral KTaO <sub>3</sub> nanocrystalline. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 151-153	4.5	18
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193	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
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190	One-step synthesis of orientation accumulation SiC-C coaxial nanocables at low temperature. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2958		17
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90	Preparation of PbTiO <sub>3</sub> nanoceramics based on hydrothermal nanopowders and characterization of their electrical properties. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 121, 10-13	4.4	5
89	A microfluidic system with embedded acoustic wave sensor for in situ detection of dynamic fluidic properties. <i>Microelectronic Engineering</i> , <b>2010</b> , 87, 658-662	2.5	5
88	Temperature evolution of anisotropic stress induced highly ordered stripe magnetic domains in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin film on (110) NdGaO <sub>3</sub> substrate. <i>Solid State Communications</i> , <b>2010</b> , 150, 2028-2031 <sup>1.6</sup>	1.6	5
87	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
86	Hydrogen-induced resistance degradation in NiCuZn ferrites. <i>Physica B: Condensed Matter</i> , <b>2004</b> , 353, 41-45	2.8	5
85	Behavior of a movable electrode in piezo-response mode of an atomic force microscope. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 8431-8435	2.5	5
84	Conversion of Conventional NiO Powders into Nanostructures by a Simple Chemical Method. <i>Chemistry Letters</i> , <b>2005</b> , 34, 180-181	1.7	5
83	Hydrogen-induced degradation in NiCuZn ferrite-based multilayer chip inductors. <i>Materials Letters</i> , <b>2005</b> , 59, 1636-1639	3.3	5
82	Hydrogen-induced degradation in strontium titanate single crystals. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 81, 631-633	2.6	5
81	Effect of dopants on ageing properties for the PMN-0.1 PT relaxor ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1996</b> , 7, 133	2.1	5
80	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
79	Ferromagnetic and Photocatalytic Properties of Layered Perovskite LaBaCoO <sub>4</sub> Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 930-3	1.3	4
78	Chemical solution approach to SrTiO <sub>3</sub> synthesis using a new precursor. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 433-439	4.3	4
77	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
76	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
75	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
74	Changing the scattering of sheltered targets. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	4
73	Time-variant 1D photonic crystals using flowing microdroplets. <i>Optics Express</i> , <b>2012</b> , 20, 24330-41	3.3	4

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71	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
70	The influence of direct current bias on the initial aging of a doped lead magnesium niobate ceramic. <i>Journal of Materials Research</i> , <b>1998</b> , 13, 675-679	2.5	4
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68	Thermal shock resistance of miniaturized multilayer ceramic capacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1994</b> , 5, 339-343	2.1	4
67	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
66	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
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62	Electric-field-controlled interface strain coupling and non-volatile resistance switching of $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ thin films epitaxially grown on relaxor-based ferroelectric single crystals. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 113911	2.5	3
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50	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
49	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
48	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
47	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
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32	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
31	Magnetism of a relaxed single atom vacancy in graphene. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 534, 184-188		1
30	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
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22	Excess titanium in barium titanate nanoparticles directly synthesized from solution. <i>Journal of Physics and Chemistry of Solids</i> , <b>2010</b> , 71, 1676-1679	3.9	1
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16	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
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