

Jun-Ming Liu

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467
papers

18,067
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45
h-index

124
g-index

491
ext. papers

20,887
ext. citations

5.7
avg, IF

6.71
L-index

#	Paper	IF	Citations
467	High-thermoelectric performance of nanostructured bismuth antimony telluride bulk alloys. <i>Science</i> , 2008 , 320, 634-8	33.3	4220
466	Multiferroicity: the coupling between magnetic and polarization orders. <i>Advances in Physics</i> , 2009 , 58, 321-448	18.4	1161
465	Nitrogen-doped graphene and its electrochemical applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7491		934
464	Room-temperature saturated ferroelectric polarization in BiFeO ₃ ceramics synthesized by rapid liquid phase sintering. <i>Applied Physics Letters</i> , 2004 , 84, 1731-1733	3.4	877
463	Visible-Light Photocatalytic Properties of Weak Magnetic BiFeO ₃ Nanoparticles. <i>Advanced Materials</i> , 2007 , 19, 2889-2892	24	745
462	Rational molecular passivation for high-performance perovskite light-emitting diodes. <i>Nature Photonics</i> , 2019 , 13, 418-424	33.9	638
461	Highly flexible silver nanowire electrodes for shape-memory polymer light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 664-8	24	569
460	An organic-inorganic perovskite ferroelectric with large piezoelectric response. <i>Science</i> , 2017 , 357, 306-309	39.5	506
459	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. <i>Advances in Physics</i> , 2015 , 64, 519-626	18.4	486
458	Magnetoelectric CoFe ₂ O ₄ /Pb(Zr,Ti)O ₃ composite thin films derived by a sol-gel process. <i>Applied Physics Letters</i> , 2005 , 86, 122501	3.4	265
457	Long Electron-Hole Diffusion Length in High-Quality Lead-Free Double Perovskite Films. <i>Advanced Materials</i> , 2018 , 30, e1706246	24	175
456	High-performance programmable memory devices based on co-doped BaTiO ₃ . <i>Advanced Materials</i> , 2011 , 23, 1351-5	24	172
455	Efficient Planar Perovskite Solar Cells with Improved Fill Factor via Interface Engineering with Graphene. <i>Nano Letters</i> , 2018 , 18, 2442-2449	11.5	154
454	Multiferroic properties of CaMn ₇ O ₁₂ . <i>Physical Review B</i> , 2011 , 84,	3.3	132
453	Origin of multiferroic spiral spin order in the RMnO ₃ perovskites. <i>Physical Review B</i> , 2008 , 78,	3.3	100
452	RECENT PROGRESS OF MULTIFERROIC PEROVSKITE MANGANITES. <i>Modern Physics Letters B</i> , 2012 , 26, 1230004	1.6	93
451	High-density array of ferroelectric nanodots with robust and reversibly switchable topological domain states. <i>Science Advances</i> , 2017 , 3, e1700919	14.3	87

450	Ferroelectricity in Covalently functionalized Two-dimensional Materials: Integration of High-mobility Semiconductors and Nonvolatile Memory. <i>Nano Letters</i> , 2016 , 16, 7309-7315	11.5	83
449	Preparation of CuO-Reduced Graphene Nanocomposite Modified Electrodes towards Ultrasensitive Dopamine Detection. <i>Sensors</i> , 2018 , 18,	3.8	83
448	Magnetoelectric CoFe ₂ O ₄ -lead zirconate titanate thick films prepared by a polyvinylpyrrolidone-assisted sol-gel method. <i>Applied Physics Letters</i> , 2006 , 89, 122914	3.4	80
447	Stable, High-Sensitivity and Fast-Response Photodetectors Based on Lead-Free Cs ₂ AgBiBr ₆ Double Perovskite Films. <i>Advanced Optical Materials</i> , 2019 , 7, 1801732	8.1	77
446	Flexible, Semitransparent, and Inorganic Resistive Memory based on BaTi Co O Film. <i>Advanced Materials</i> , 2017 , 29, 1700425	24	74
445	Spin-Glass Ground State in a Triangular-Lattice Compound YbZnGaO ₄ . <i>Physical Review Letters</i> , 2018 , 120, 087201	7.4	72
444	Magnetoelectric Coupling in Well-Ordered Epitaxial BiFeO ₃ /CoFe ₂ O ₄ /SrRuO ₃ Heterostructured Nanodot Array. <i>ACS Nano</i> , 2016 , 10, 1025-32	16.7	72
443	Efficient and carbon-based hole transport layer-free CsPbI ₂ Br planar perovskite solar cells using PMMA modification. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3852-3861	7.1	70
442	A review of flexible perovskite oxide ferroelectric films and their application. <i>Journal of Materiomics</i> , 2020 , 6, 1-16	6.7	69
441	Flexible PbZr _{0.52} Ti _{0.48} O ₃ Capacitors with Giant Piezoelectric Response and Dielectric Tunability. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600542	6.4	66
440	Cluster-glass state in manganites induced by A-site cation-size disorder. <i>Physical Review B</i> , 2006 , 73,	3.3	66
439	Single-phase multiferroics: new materials, phenomena, and physics. <i>National Science Review</i> , 2019 , 6, 653-668	10.8	65
438	Coexistence of high performance resistance and capacitance memory based on multilayered metal-oxide structures. <i>Scientific Reports</i> , 2013 , 3, 2482	4.9	62
437	Dynamic response and hysteresis dispersion scaling of ferroelectric SrBi ₂ Ta ₂ O ₉ thin films. <i>Applied Physics Letters</i> , 2003 , 83, 1406-1408	3.4	61
436	Frequency response and scaling of hysteresis for ferroelectric Pr(Zr _{0.52} Ti _{0.48})O ₃ thin films deposited by laser ablation. <i>Journal of Applied Physics</i> , 1999 , 86, 5198-5202	2.5	61
435	High thermoelectric performance of superionic argyrodite compound Ag ₈ SnSe ₆ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5806-5813	7.1	60
434	Current rectifying and resistive switching in high density BiFeO ₃ nanocapacitor arrays on Nb-SrTiO ₃ substrates. <i>Scientific Reports</i> , 2015 , 5, 9680	4.9	59
433	Scaling on hysteresis dispersion in ferroelectric systems. <i>Applied Physics Letters</i> , 2001 , 79, 236-238	3.4	59

432	Resistance switching memory in perovskite oxides. <i>Annals of Physics</i> , 2015 , 358, 206-224	2.5	55
431	BaFe(2)Se(3) a high T(C) magnetic multiferroic with large ferrielectric polarization. <i>Physical Review Letters</i> , 2014 , 113, 187204	7.4	54
430	Interface Engineering of Domain Structures in BiFeO Thin Films. <i>Nano Letters</i> , 2017 , 17, 486-493	11.5	52
429	Monte Carlo simulation of magnetic behavior of a spin-chain system on a triangular lattice. <i>Physical Review B</i> , 2006 , 74,	3.3	52
428	Phonon-assisted energy back transfer-induced multicolor upconversion emission of Gd ₂ O ₃ :Yb(3+)/Er(3+) nanoparticles under near-infrared excitation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 15412-8	3.6	50
427	High energy storage performances of Bi _{1-x} Sm _x Fe _{0.95} Sc _{0.05} O ₃ lead-free ceramics synthesized by rapid hot press sintering. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2331-2338	6	49
426	Investigation of the bipolar effect in the thermoelectric material CaMg ₂ Bi ₂ using a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16566-74	3.6	47
425	Steplike magnetization of spin chains in a triangular lattice: Monte Carlo simulations. <i>Physical Review B</i> , 2006 , 73,	3.3	47
424	Temperature-dependent and polarization-tuned resistive switching in Au/BiFeO ₃ /SrRuO ₃ junctions. <i>Applied Physics Letters</i> , 2014 , 104, 143503	3.4	46
423	Magnetically Recyclable MoS ₂ /Fe ₃ O ₄ Hybrid Composite as Visible Light Responsive Photocatalyst with Enhanced Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1673-1682	8.3	46
422	One-step chemical vapor deposition of MoS nanosheets on SiNWs as photocathodes for efficient and stable solar-driven hydrogen production. <i>Nanoscale</i> , 2018 , 10, 3518-3525	7.7	44
421	Hexagonal phase stabilization and magnetic orders of multiferroic Lu _{1-x} Sc _x FeO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	43
420	Efficient and stable CH ₃ NH ₃ Pb _{1-x} (SCN) _x planar perovskite solar cells fabricated in ambient air with low-temperature process. <i>Journal of Power Sources</i> , 2018 , 377, 52-58	8.9	42
419	Enhanced performance of CH ₃ NH ₃ Pb _{1-x} Cl _x perovskite solar cells by CH ₃ NH ₃ I modification of TiO ₂ -perovskite layer interface. <i>Nanoscale Research Letters</i> , 2016 , 11, 316	5	42
418	Ultrathin Alumina Mask-Assisted Nanopore Patterning on Monolayer MoS for Highly Catalytic Efficiency in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8026-8035	9.5	41
417	Fabrication and photoelectrochemical properties of silicon nanowires/g-C ₃ N ₄ core/shell arrays. <i>Applied Surface Science</i> , 2017 , 396, 609-615	6.7	41
416	Unipolar resistive switching effect in YMn ₁₀ O ₃ thin films. <i>Applied Physics Letters</i> , 2010 , 96, 012103	3.4	41
415	Strong magnetoelectric coupling in multiferroic BiFeO ₃ /Pb(Zr _{0.52} Ti _{0.48})O ₃ composite films derived from electrophoretic deposition. <i>Applied Physics Letters</i> , 2008 , 93, 192915	3.4	41

4 ¹⁴	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. <i>Nature Communications</i> , 2020 , 11, 3577	17.4	40
4 ¹³	Thinning ferroelectric films for high-efficiency photovoltaics based on the Schottky barrier effect. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	39
4 ¹²	Polarization-dependent interfacial coupling modulation of ferroelectric photovoltaic effect in PZT-ZnO heterostructures. <i>Scientific Reports</i> , 2016 , 6, 22948	4.9	39
4 ¹¹	Ho substitution suppresses collinear Dy spin order and enhances polarization in DyMnO ₃ . <i>Applied Physics Letters</i> , 2011 , 99, 102509	3.4	39
4 ¹⁰	Solvent-Assisted Low-Temperature Crystallization of SnO ₂ Electron-Transfer Layer for High-Efficiency Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1900557	15.6	38
4 ⁰⁹	Defect states and charge trapping characteristics of HfO ₂ films for high performance nonvolatile memory applications. <i>Applied Physics Letters</i> , 2014 , 105, 172902	3.4	38
4 ⁰⁸	Enhanced ferromagnetism and ferroelectricity in multiferroic CuCr _{1-x} Ni _x O ₂ . <i>Applied Physics Letters</i> , 2009 , 94, 172504	3.4	38
4 ⁰⁷	Emergence of Ferroelectricity in Halide Perovskites. <i>Small Methods</i> , 2020 , 4, 2000149	12.8	37
4 ⁰⁶	Resistive switching induced by charge trapping/detrapping: a unified mechanism for colossal electroresistance in certain Nb:SrTiO ₃ -based heterojunctions. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7317-7327	7.1	37
4 ⁰⁵	Dopant-free F-substituted benzodithiophene copolymer hole-transporting materials for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1858-1864	13	37
4 ⁰⁴	Experimental observation of ferrielectricity in multiferroic DyMn ₂ O ₅ . <i>Scientific Reports</i> , 2014 , 4, 3984	4.9	36
4 ⁰³	Direct observation of ferroelectricity in Ca ₃ Mn ₂ O ₇ and its prominent light absorption. <i>Applied Physics Letters</i> , 2018 , 113, 022902	3.4	35
4 ⁰²	Striped multiferroic phase in double-exchange model for quarter-doped manganites. <i>Physical Review Letters</i> , 2009 , 103, 107204	7.4	35
4 ⁰¹	Coexistence of unipolar and bipolar resistive switching in BiFeO ₃ and Bi _{0.8} Ca _{0.2} FeO ₃ films. <i>Journal of Applied Physics</i> , 2012 , 111, 104103	2.5	35
4 ⁰⁰	Optimization of hierarchical structure and nanoscale-enabled plasmonic refraction for window electrodes in photovoltaics. <i>Nature Communications</i> , 2016 , 7, 12825	17.4	34
399	Design and simple synthesis of composite BiTiO/BiTiO with a good photocatalytic quantum efficiency and high production of photo-generated hydroxyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26530-26538	3.6	34
398	Polarization enhancement and ferroelectric switching enabled by interacting magnetic structures in DyMnO ₃ thin films. <i>Scientific Reports</i> , 2013 , 3, 3374	4.9	34
397	Multiferroic response and clamped domain structure in a two-dimensional spiral magnet: Monte Carlo simulation. <i>Physical Review B</i> , 2008 , 77,	3.3	34

396	Temperature-dependent fatigue behaviors of ferroelectric ABO ₃ -type and layered perovskite oxide thin films. <i>Applied Physics Letters</i> , 2004 , 84, 3352-3354	3-4	34
395	Energy storage and polarization switching kinetics of (001)-oriented Pb _{0.97} La _{0.02} (Zr _{0.95} Ti _{0.05})O ₃ antiferroelectric thick films. <i>Applied Physics Letters</i> , 2016 , 108, 112903	3-4	34
394	Enhancing the efficiency of low-temperature planar perovskite solar cells by modifying the interface between perovskite and hole transport layer with polymers. <i>Electrochimica Acta</i> , 2018 , 261, 445-453	6.7	33
393	Synthesis of visible-light-driven BiOBr _x 1-x solid solution nanoplates by ultrasound-assisted hydrolysis method with tunable bandgap and superior photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018 , 732, 167-177	5.7	33
392	An Artificial Optoelectronic Synapse Based on a Photoelectric Memcapacitor. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900858	6.4	33
391	Predicting high thermoelectric performance of ABX ternary compounds NaMgX (X = P, Sb, As) with weak electron-phonon coupling and strong bonding anharmonicity. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3281-3289	7.1	32
390	Transparent Glass with the Growth of Pyramid-Type MoS ₂ for Highly Efficient Water Disinfection under Visible-Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23444-23450	9.5	32
389	High efficiency solar cells as fabricated by Sb ₂ S ₃ -modified TiO ₂ nanofibrous networks. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8345-50	9.5	32
388	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. <i>Advanced Functional Materials</i> , 2020 , 30, 1908613	15.6	32
387	Promoting the Hole Extraction with Co ₃ O ₄ Nanomaterials for Efficient Carbon-Based CsPbI ₂ Br Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1800315	7.1	32
386	Ferroelectric Diodes with Charge Injection and Trapping. <i>Physical Review Applied</i> , 2017 , 7,	4.3	31
385	An efficient multi-functional material based on polyether-substituted indolocarbazole for perovskite solar cells and solution-processed non-doped OLEDs. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1539-1547	13	31
384	Ferroelectricity and superparamagnetism in Sr/Ti nonstoichiometric SrTiO ₃ . <i>Physical Review B</i> , 2012 , 85,	3.3	31
383	Coexistence of magnetic and ferroelectric behaviors of pyrochlore Ho ₂ Ti ₂ O ₇ . <i>Journal of Applied Physics</i> , 2009 , 106, 104101	2.5	31
382	Highly anisotropic resistivities in the double-exchange model for strained manganites. <i>Physical Review B</i> , 2010 , 82,	3.3	30
381	A Practical ITO Replacement Strategy: Sputtering-Free Processing of a Metallic Nanonetwork. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700061	6.8	29
380	Ferroelectricity of polycrystalline GdMnO ₃ and multifold magnetoelectric responses. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 947-954	2.6	29
379	Controllable Photovoltaic Effect of Microarray Derived from Epitaxial Tetragonal BiFeO Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27284-27289	9.5	29

378	Ru-doping-induced ferromagnetism in charge-ordered La _{0.4} Ca _{0.6} MnO ₃ . <i>Physical Review B</i> , 2009 , 79,	3.3	29
377	Controllable phase connectivity and magnetoelectric coupling behavior in CoFe ₂ O ₄ -Pb(Zr,Ti)O ₃ nanostructured films. <i>Nanotechnology</i> , 2007 , 18, 465708	3.4	29
376	Ultrathin Co ₃ O ₄ nanosheet clusters anchored on nitrogen doped carbon nanotubes/3D graphene as binder-free cathodes for Al-air battery. <i>Chemical Engineering Journal</i> , 2020 , 381, 122681	14.7	29
375	Electrically Driven Reversible Magnetic Rotation in Nanoscale Multiferroic Heterostructures. <i>ACS Nano</i> , 2018 , 12, 6767-6776	16.7	29
374	Coupled ferroelectric polarization and magnetization in spinel FeCr ₂ S ₄ . <i>Scientific Reports</i> , 2014 , 4, 6530	4.9	28
373	Novel multiferroicity in GdMnO ₃ thin films with self-assembled nano-twinned domains. <i>Scientific Reports</i> , 2014 , 4, 7019	4.9	28
372	Dynamic hysteresis scaling of ferroelectric Pb _{0.9} Ba _{0.1} (Zr _{0.52} Ti _{0.48})O ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 485901	1.8	28
371	Mean-field theory for ferroelectricity in Ca ₃ CoMnO ₆ . <i>Physical Review B</i> , 2009 , 79,	3.3	28
370	Nanoscale Topotactic Phase Transformation in SrFeO Epitaxial Thin Films for High-Density Resistive Switching Memory. <i>Advanced Materials</i> , 2019 , 31, e1903679	24	27
369	Nature-Inspired Metallic Networks for Transparent Electrodes. <i>Advanced Functional Materials</i> , 2018 , 28, 1705023	15.6	26
368	Flexible, Fatigue-Free, and Large-Scale BiLaTiO Ferroelectric Memories. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 21428-21433	9.5	26
367	Response Characteristics of Hydrogen Sensors Based on PMMA-Membrane-Coated Palladium Nanoparticle Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27193-27201	9.5	26
366	Multiferroic phase diagram of Y partially substituted Dy _{1-x} Y _x MnO ₃ . <i>Applied Physics Letters</i> , 2011 , 98, 012510	3.4	26
365	Ferroelectric Polarization Switching Dynamics and Domain Growth of Triglycine Sulfate and Imidazolium Perchlorate. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600038	6.4	26
364	Death signal transduction induced by co-immobilized TNF- α plus IFN- γ and the development of polymeric anti-cancer drugs. <i>Biomaterials</i> , 2010 , 31, 9074-85	15.6	25
363	A Gd@C single-molecule electret. <i>Nature Nanotechnology</i> , 2020 , 15, 1019-1024	28.7	25
362	Magnetic field gradient driven dynamics of isolated skyrmions and antiskyrmions in frustrated magnets. <i>New Journal of Physics</i> , 2018 , 20, 053037	2.9	24
361	The development of BiFeO ₃ -based ceramics. <i>Science Bulletin</i> , 2014 , 59, 5161-5169		24

- 360 Coupling and competition between ferroelectric and antiferroelectric states in Ca-doped Sr_{0.9}Ba_{0.1}CaxTiO₃: Multipolar states. *Physical Review B*, **2011**, 83, 3-3 24
- 359 Monte Carlo simulation of the dielectric susceptibility of Ginzburg-Landau mode relaxors. *Physical Review B*, **2004**, 69, 3-3 24
- 358 Core-shell MoS₂@CoO Electrocatalyst for Water Splitting in Neutral and Alkaline Solutions. *Journal of Physical Chemistry C*, **2019**, 123, 5833-5839 3.8 24
- 357 Large electroresistance and tunable photovoltaic properties of ferroelectric nanoscale capacitors based on ultrathin super-tetragonal BiFeO₃ films. *Journal of Materials Chemistry C*, **2017**, 5, 3323-3329 7.1 23
- 356 Observation of Exotic Domain Structures in Ferroelectric Nanodot Arrays Fabricated via a Universal Nanopatterning Approach. *ACS Applied Materials & Interfaces*, **2017**, 9, 37219-37226 9.5 23
- 355 DyMnO₃: A model system of type-II multiferroics. *Journal of Materials*, **2016**, 2, 213-224 6.7 23
- 354 Excellent Ferroelectric Properties of Hf_{0.5}Zr_{0.5}O₂ Thin Films Induced by Al₂O₃ Dielectric Layer. *IEEE Electron Device Letters*, **2019**, 40, 1937-1940 4.4 23
- 353 Flexible SmFe₂/polyvinylidene fluoride heterostructural film with large magnetoelectric voltage output. *Applied Physics Letters*, **2010**, 97, 212902 3.4 23
- 352 Monte Carlo simulation of ferroelectric domain growth. *Physical Review B*, **2006**, 73, 3-3 23
- 351 Room-temperature multiferroicity and diversified magnetoelectric couplings in 2D materials. *National Science Review*, **2020**, 7, 373-380 10.8 23
- 350 Revealing Controllable Anisotropic Magnetoresistance in Spin-Orbit Coupled Antiferromagnet Sr₂IrO₄. *Advanced Functional Materials*, **2018**, 28, 1706589 15.6 22
- 349 An Unusual Mechanism for Negative Differential Resistance in Ferroelectric Nanocapacitors: Polarization Switching-Induced Charge Injection Followed by Charge Trapping. *ACS Applied Materials & Interfaces*, **2017**, 9, 27120-27126 9.5 22
- 348 Colossal Figure of Merit in Transparent-Conducting Metallic Ribbon Networks. *Advanced Materials Technologies*, **2016**, 1, 6.8 22
- 347 Constructing novel WO₃/Fe(III) nanofibers photocatalysts with enhanced visible-light-driven photocatalytic activity via interfacial charge transfer effect. *Materials Today Energy*, **2017**, 3, 45-52 7 21
- 346 Transparent, Flexible, Fatigue-Free, Optical-Read, and Nonvolatile Ferroelectric Memories. *ACS Applied Materials & Interfaces*, **2019**, 11, 35169-35176 9.5 21
- 345 Cell cycle arrest and apoptosis of OVCAR-3 and MCF-7 cells induced by co-immobilized TNF- α plus IFN- γ on polystyrene and the role of p53 activation. *Biomaterials*, **2012**, 33, 6162-71 15.6 21
- 344 Resistive switching and photovoltaic effects in ferroelectric BaTiO₃-based capacitors with Ti and Pt top electrodes. *Applied Physics Letters*, **2017**, 111, 252901 3.4 21
- 343 Superconducting gap induced barrier enhancement in a BiFeO₃-based heterostructure. *Applied Physics Letters*, **2010**, 97, 252905 3.4 21

342	Dynamic hysteresis in ferroelectric systems: experiment and Monte Carlo simulation. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 75, 507-514	2.6	21
341	High performance planar perovskite solar cells based on CH ₃ NH ₃ PbI _{3-x} (SCN) _x perovskite film and SnO ₂ electron transport layer prepared in ambient air with 70% humidity. <i>Electrochimica Acta</i> , 2018 , 260, 468-476	6.7	21
340	Quasifractal Networks as Current Collectors for Transparent Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2019 , 29, 1906618	15.6	20
339	Solvent-induced textured structure and improved crystallinity for high performance perovskite solar cells. <i>Optical Materials Express</i> , 2017 , 7, 2150	2.6	20
338	Competition between quantum fluctuation and ferroelectric order in Eu _{1-x} BaxTiO ₃ . <i>Applied Surface Science</i> , 2012 , 258, 4601-4606	6.7	20
337	Strong magnetoelectric coupling in Tb _{0.5} Fe _{0.5} Pb(Zr _{0.52} Ti _{0.48})O ₃ thin-film heterostructure prepared by low energy cluster beam deposition. <i>Applied Physics Letters</i> , 2008 , 92, 012920	3.4	20
336	Influence of A-site codoping on ferroelectricity of quantum paraelectric SrTiO ₃ . <i>Journal of Applied Physics</i> , 2008 , 103, 124104	2.5	20
335	Ru doping induced quantum paraelectricity in ferroelectric Sr _{0.9} Ba _{0.1} TiO ₃ . <i>Applied Physics Letters</i> , 2008 , 92, 172912	3.4	20
334	An All-Inorganic, Transparent, Flexible, and Nonvolatile Resistive Memory. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800412	6.4	20
333	Ultra-low coercive field of improper ferroelectric Ca ₃ Ti ₂ O ₇ epitaxial thin films. <i>Applied Physics Letters</i> , 2017 , 110, 042901	3.4	19
332	Photovoltaic, photo-impedance, and photo-capacitance effects of the flexible (111) BiFeO ₃ film. <i>Applied Physics Letters</i> , 2019 , 115, 112902	3.4	19
331	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet SrIrO ₃ . <i>Nature Communications</i> , 2019 , 10, 2280	17.4	19
330	Dielectric and magnetic properties of BiFe _{1-4x/3} Ti _x O ₃ ceramics with iron vacancies: Experimental and first-principles studies. <i>Journal of Applied Physics</i> , 2013 , 114, 034105	2.5	19
329	Effect of B-site Al-doping on electric polarization in DyMnO ₃ . <i>Applied Physics Letters</i> , 2010 , 96, 252902	3.4	19
328	A Solution-Processed Dopant-Free Tin Phthalocyanine (SnPc) Hole Transport Layer for Efficient and Stable Carbon-Based CsPbI ₂ Br Planar Perovskite Solar Cells Prepared by a Low-Temperature Process. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7832-7843	6.1	19
327	Simultaneously enhanced energy storage density and efficiency in novel BiFeO ₃ -based lead-free ceramic capacitors. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 387-393	6	19
326	Pd Nanoparticle Film on a Polymer Substrate for Transparent and Flexible Hydrogen Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44603-44613	9.5	19
325	Effective silicon nanowire arrays/WO ₃ core/shell photoelectrode for neutral pH water splitting. <i>Nanotechnology</i> , 2017 , 28, 275401	3.4	18

324	Manipulation of Conductive Domain Walls in Confined Ferroelectric Nanoislands. <i>Advanced Functional Materials</i> , 2019 , 29, 1807276	15.6	18
323	The ferroelectric polarization of Y2CoMnO6 aligns along the b-axis: the first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 20961-70	3.6	18
322	Kinetics controlled aging effect of ferroelectricity in Al-doped and Ga-doped BaTiO3. <i>Applied Physics Letters</i> , 2010 , 97, 112906	3.4	18
321	Spin persistence in an antiferromagnetic triangular Ising lattice under a magnetic field. <i>Physical Review B</i> , 2007 , 76,	3.3	18
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