

# Chung Wung Bark

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6890493/publications.pdf>

Version: 2024-02-01

163  
papers

6,370  
citations

87723

38  
h-index

69108

77  
g-index

167  
all docs

167  
docs citations

167  
times ranked

7582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of perovskite solar cells with a solution-processed two-stage SnO <sub>2</sub> electron transport layer. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 735, 75-83.	0.4	2
2	Properties of the mesoporous perovskite solar cell by plasma surface activation with a titanium dioxide electrode. <i>Molecular Crystals and Liquid Crystals</i> , 2022, 735, 84-92.	0.4	1
3	Effect of Annealing in ITO Film Prepared at Various Argon-and-Oxygen-Mixture Ratios via Facing-Target Sputtering for Transparent Electrode of Perovskite Solar Cells. <i>Coatings</i> , 2022, 12, 203.	1.2	1
4	Electronic reconstruction at the polar (111)-oriented oxide interface. <i>APL Materials</i> , 2022, 10, .	2.2	2
5	Crystallographic structure and ferroelectricity of epitaxial hafnium oxide thin films. <i>Journal of the Korean Ceramic Society</i> , 2022, 59, 25-43.	1.1	6
6	Recent advances in self-powered and flexible UVC photodetectors. <i>Exploration</i> , 2022, 2, .	5.4	12
7	Ni-Doped SnO <sub>2</sub> as an Electron Transport Layer by a Low-Temperature Process in Planar Perovskite Solar Cells. <i>ACS Omega</i> , 2022, 7, 22256-22262.	1.6	5
8	Photovoltaic technologies for flexible solar cells: beyond silicon. <i>Materials Today Energy</i> , 2021, 19, 100583.	2.5	37
9	Solution-processed and self-powered photodetector in vertical architecture using mixed-halide perovskite for highly sensitive UVC detection. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1269-1276.	5.2	54
10	Facile Synthesis of Spherical TiO <sub>2</sub> Hollow Nanospheres with a Diameter of 150 nm for High-Performance Mesoporous Perovskite Solar Cells. <i>Materials</i> , 2021, 14, 629.	1.3	8
11	Particle size dependence of the electrochemical properties of SrMnO <sub>3</sub> supercapacitor electrodes. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1121-1129.	1.2	9
12	Study on Performance Improvements in Perovskite-Based Ultraviolet Sensors Prepared Using Toluene Antisolvent and CH <sub>3</sub> NH <sub>3</sub> Cl. <i>Nanomaterials</i> , 2021, 11, 1000.	1.9	10
13	Synthesis and Characterization of Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> (HZO) Ceramic Target via Modified Solid-State Reaction Method. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 833-837.	0.1	1
14	Reduced Defects and Enhanced Performance of (FAPbI <sub>3</sub> ) <sub>0.97</sub> (MAPbBr <sub>3</sub> ) <sub>0.03</sub> -Based Perovskite Solar Cells by Trimesic Acid Additives. <i>ACS Omega</i> , 2021, 6, 16151-16158.	1.6	7
15	Investigation of the influence of TiO <sub>2</sub> distribution on HA/TiO <sub>2</sub> composite wetting ability using the dispersant SDBS, high-temperature annealing, and ultrasonication. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045033.	1.7	0
16	Preparation of Hexagonal SrMnO <sub>3</sub> High-Quality Target for Magnetron Sputtering. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4005-4010.	0.9	1
17	Enhancing Performance of Perovskite Solar Cells by TiCl <sub>4</sub> Treatment on the Surface Roughness of the Titanium Dioxide Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3806-3812.	0.9	0
18	Particle Size Effect of Lanthanum-Modified Bismuth Titanate Ceramics on Ferroelectric Effect for Energy Harvesting. <i>Nanoscale Research Letters</i> , 2021, 16, 115.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Characteristics of Perovskite Solar Cells (PSCs) with Various Metal Electrode Deposited Using Thermal Evaporators. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4383-4387.	0.9	0
20	Experimental realization of strain-induced room-temperature ferroelectricity in SrMnO <sub>3</sub> films via selective oxygen annealing. <i>NPG Asia Materials</i> , 2021, 13, .	3.8	6
21	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54466-54475.	4.0	5
22	Silicon-Based Technologies for Flexible Photovoltaic (PV) Devices: From Basic Mechanism to Manufacturing Technologies. <i>Nanomaterials</i> , 2021, 11, 2944.	1.9	16
23	Dispersed SnO <sub>2</sub> colloids using sodium dodecyl benzene sulfonate for high-performance planar perovskite solar cells. <i>Solar Energy</i> , 2021, 230, 747-753.	2.9	7
24	Practical Demonstration of Deep-Ultraviolet Detection with Wearable and Self-Powered Halide Perovskite-Based Photodetector. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57609-57618.	4.0	28
25	Surface Energy Change of Atomic-Scale Metal Oxide Thin Films by Phase Transformation. <i>ACS Nano</i> , 2020, 14, 676-687.	7.3	10
26	Characterization of Perovskite Solar Cell with Fe <sup>3+</sup> Doped TiO <sub>2</sub> Layer. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 552-556.	0.9	3
27	Change of Phase Transition Temperature in Band Engineered Ferroelectric Lanthanum-Modified Bismuth Titanates. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 7135-7139.	0.9	2
28	Enhanced Oxygen Evolution Electrocatalysis in Strained A-Site Cation Deficient LaNiO <sub>3</sub> Perovskite Thin Films. <i>Nano Letters</i> , 2020, 20, 8040-8045.	4.5	61
29	Mechanically induced ferroelectric switching in BaTiO <sub>3</sub> thin films. <i>Acta Materialia</i> , 2020, 193, 151-162.	3.8	31
30	Low-Temperature Thermally Evaporated SnO <sub>2</sub> Based Electron Transporting Layer for Perovskite Solar Cells with Annealing Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5491-5497.	0.9	7
31	Highly porous nanostructured NiO@C as interface-effective layer in planar n-i-p perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155711.	2.8	12
32	Effect of Surface Treatment by Chemical-Mechanical Polishing for Transparent Electrode of Perovskite Solar Cells. <i>Energies</i> , 2020, 13, 585.	1.6	6
33	Effect of UV-Light Treatment on Efficiency of Perovskite Solar Cells (PSCs). <i>Energies</i> , 2020, 13, 1069.	1.6	4
34	Synthesis of Cobalt-Doped TiO <sub>2</sub> Based on Metal-Organic Frameworks as an Effective Electron Transport Material in Perovskite Solar Cells. <i>ACS Omega</i> , 2020, 5, 2280-2286.	1.6	63
35	Characteristics of Perovskites ReNiO <sub>3</sub> (Re = La and Nd) Prepared by Solid State Reaction in the Ambient of Oxygen. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4239-4243.	0.9	7
36	Effect of lithium bis(trifluoromethane)sulfonimide treatment on titanium dioxide-based electron transporting layer of perovskite solar cells. <i>Thin Solid Films</i> , 2020, 700, 137888.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Fabrication and characterization of perovskite solar cells with ZnGa <sub>2</sub> O <sub>4</sub> mixed TiO <sub>2</sub> photoelectrode. Japanese Journal of Applied Physics, 2019, 58, SDDE15.	0.8	4
38	Enhancement of Ferroelectric Properties of Superlattice-Based Epitaxial BiFeO <sub>3</sub> Thin Films via Substitutional Doping Effect. Journal of Physical Chemistry C, 2019, 123, 11564-11571.	1.5	5
39	Improved characteristics of a perovskite solar cell by the annealing process and UV irradiation on the TiO <sub>2</sub> layer. Japanese Journal of Applied Physics, 2019, 58, SBBF11.	0.8	3
40	Reversible magnetoelectric switching in multiferroic three-dimensional nanocup heterostructure films. NPG Asia Materials, 2019, 11, .	3.8	8
41	High-Throughput Analysis of New Bone Formation and Bone Substitutes After Maxillary Sinus Floor Elevation Using Synchrotron Radiation Micro-Computed Tomography. Journal of Nanoscience and Nanotechnology, 2019, 19, 680-686.	0.9	3
42	Characteristics of bioactive HA/TiO <sub>2</sub> coating nanoparticles for biomedical applications by using sodium dodecylbenzenesulfonate surfactant. Japanese Journal of Applied Physics, 2019, 58, SAAG01.	0.8	3
43	Photofunctionalizing effects of hydroxyapatite combined with TiO <sub>2</sub> on bone regeneration in rabbit calvarial defects. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1953-1959.	1.6	3
44	Fabrication and Analysis of Perovskite Solar Cells (PSCs) by Using Phosphor and TiO <sub>2</sub> Photoelectrode. Journal of Nanoscience and Nanotechnology, 2019, 19, 1615-1619.	0.9	2
45	Efficiency enhancement using voltage biasing for ferroelectric polarization in dye-sensitized solar cells. Applied Surface Science, 2018, 429, 37-41.	3.1	4
46	Characteristics of multifunctional Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /ZrO <sub>2</sub> structures prepared using two-step solution processes. Molecular Crystals and Liquid Crystals, 2018, 677, 19-26.	0.4	0
47	Effects of Enhanced Hydrophilic Titanium Dioxide-Coated Hydroxyapatite on Bone Regeneration in Rabbit Calvarial Defects. International Journal of Molecular Sciences, 2018, 19, 3640.	1.8	10
48	Non-stoichiometry-induced metal-to-insulator transition in nickelate thin films grown by pulsed laser deposition. Current Applied Physics, 2018, 18, 1577-1582.	1.1	4
49	Ferroelectric Materials: A Novel Pathway for Efficient Solar Water Splitting. Applied Sciences (Switzerland), 2018, 8, 1526.	1.3	27
50	Template-engineered epitaxial BiVO <sub>4</sub> photoanodes for efficient solar water splitting. Journal of Materials Chemistry A, 2017, 5, 18831-18838.	5.2	42
51	In-situ probing of coupled atomic restructuring and metallicity of oxide heterointerfaces induced by polar adsorbates. Applied Physics Letters, 2017, 111, 141604.	1.5	2
52	Optimal Doping Level of Iron in Bismuth Titanate for Oxide Optoelectronics. Journal of Nanoscience and Nanotechnology, 2017, 17, 7307-7311.	0.9	2
53	Narrowing the Band Gap of Nanosized Fe-Doped Bismuth Titanate via Mechanically Induced Oxygen Vacancies. Journal of Nanoscience and Nanotechnology, 2017, 17, 7312-7318.	0.9	4
54	Properties of Perovskite Solar Cells by the Sputtered Compact TiO <sub>2</sub> Layer. Science of Advanced Materials, 2017, 9, 1517-1521.	0.1	3

#	ARTICLE	IF	CITATIONS
55	Structural properties of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces deposited by using off-axis RF sputtering. Journal of the Korean Physical Society, 2016, 68, 1395-1398.	0.3	1
56	Large enhancement of the photovoltaic effect in ferroelectric complex oxides through bandgap reduction. Scientific Reports, 2016, 6, 28313.	1.6	34
57	Synthesis and characterization of UV-treated Fe-doped bismuth lanthanum titanate-doped TiO <sub>2</sub> layers in dye-sensitized solar cells. Journal of the Korean Physical Society, 2016, 68, 1399-1402.	0.3	1
58	Structural and optical properties of Fe doped bismuth titanate thin film deposited by RF sputtering. Japanese Journal of Applied Physics, 2016, 55, 02BC09.	0.8	9
59	Nanomechanics of flexoelectric switching. Physical Review B, 2015, 92, .	1.1	56
60	Spotlight on nano-theranostics in South Korea: applications in diagnostics and treatment of&nbsp;diseases. International Journal of Nanomedicine, 2015, 10 Spec Iss, 3.	3.3	4
61	Bone dynamics in the upward direction after a maxillary sinus floor elevation procedure: serial segmentation using synchrotron radiation micro-computed tomography. International Journal of Nanomedicine, 2015, 10 Spec Iss, 129.	3.3	4
62	Giant Electroresistive Ferroelectric Diode on 2DEG. Scientific Reports, 2015, 5, 10548.	1.6	10
63	Effect of the Sintering Temperature on the Structure and Properties of Fe-doped Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>2</sub> O <sub>12</sub> Ceramics. Molecular Crystals and Liquid Crystals, 2015, 621, 129-135.	0.4	0
64	Effects of Doping Ratio of Cobalt and Iron on the Structure and Optical Properties of Bi <sub>3.25</sub> La <sub>0.75</sub> Fe <sub>x</sub> Co <sub>1-x</sub> Ti <sub>2</sub> O <sub>12</sub> (x = 0, 0.25, 0.5, 0.75, 1). Journal of Nanoscience and Nanotechnology, 2015, 15, 7841-7844.	0.9	4
65	Influence of transition metal doping (X = Co, Fe) on structural, optical properties of Ferroelectric Bi <sub>3.25</sub> La <sub>0.75</sub> XTi <sub>2</sub> O <sub>12</sub> . Nano Convergence, 2015, 2, .	6.3	11
66	Tunable band gap of iron-doped lanthanum-modified bismuth titanate synthesized by using the thermal decomposition of a secondary phase. Journal of the Korean Physical Society, 2015, 66, 1371-1375.	0.3	12
67	Mechanical Tuning of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface Conductivity. Nano Letters, 2015, 15, 3547-3551.	4.5	75
68	Quantification of bone regeneration by virtual slices using non-destructive synchrotron X-ray microtomography. Tissue Engineering and Regenerative Medicine, 2015, 12, 379-385.	1.6	3
69	Improving Photovoltaic Performance of Dye-Sensitized Solar Cell by Effect of Y<sub>2</sub>O<sub>3</sub>; Yb<sub>2</sub>O<sub>3</sub>; Er<sub>2</sub>O<sub>3</sub>; Journal of Nanoelectronics and Optoelectronics, 2015, 10, 126-130.	0.1	3
70	Optoelectric Response of Two-Dimensional Electron Gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. Science of Advanced Materials, 2015, 7, 686-694.	0.1	2
71	Influence of the Calcination Temperature on the Structure and Optical Properties of Bi<sub>3.25</sub>La<sub>0.75</sub>CoTi<sub>2</sub>O<sub>12</sub> Powders. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 163-167.	0.1	1
72	Synchrotron X-ray bio-imaging of natural and synthetic bone-graft materials in an aqueous environment. Journal of the Korean Physical Society, 2014, 65, 1524-1528.	0.3	0

#	ARTICLE	IF	CITATIONS
73	Efficiency Improvement of Dye-Sensitized Solar Cells Using WO <sub>3</sub> . Molecular Crystals and Liquid Crystals, 2014, 602, 81-87.	0.4	6
74	Effect of dye-sensitized solar cells based on the anodizing TiO <sub>2</sub> nanotube array/nanoparticle double-layer electrode. Japanese Journal of Applied Physics, 2014, 53, 11R02.	0.8	3
75	Control of Optical Band Gap in La Doped Bismuth Titanate with Two Stage Doping. Molecular Crystals and Liquid Crystals, 2014, 597, 37-44.	0.4	4
76	The Effect of Phosphor-TiO <sub>2</sub> Layer on the Performance of Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 600, 47-55.	0.4	10
77	Characteristics of Ga-Al Doped Zinc Oxide Thin Films Deposited by Facing Targets Sputtering. Molecular Crystals and Liquid Crystals, 2014, 600, 56-62.	0.4	1
78	Enhancing Performance of Dye-Sensitized Solar Cell Influenced by Phosphor ZnGa <sub>2</sub> O <sub>4</sub> . Molecular Crystals and Liquid Crystals, 2014, 598, 40-46.	0.4	1
79	Characteristics of the Dye-Sensitized Solar Cells Using TiO <sub>2</sub> Nanotubes Treated with TiCl <sub>4</sub> . Materials, 2014, 7, 3522-3532.	1.3	64
80	The effect of dye-sensitized solar cell based on the composite layer by anodic TiO <sub>2</sub> nanotubes. Nanoscale Research Letters, 2014, 9, 671.	3.1	16
81	Non-local piezoresponse of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Applied Physics Letters, 2014, 104, 161606.	1.5	14
82	Magnetic field tuned superconductor-to-insulator transition at theLaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Physical Review B, 2014, 90, .	1.1	9
83	Improving the performance of dye-sensitized solar cells by using the conversion luminescence of a phosphor. Journal of the Korean Physical Society, 2014, 65, 1682-1686.	0.3	3
84	Influence of Fe <sub>2</sub> O <sub>3</sub> Doping on TiO <sub>2</sub> Electrode for Enhancement Photovoltaic Efficiency of Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 600, 39-46.	0.4	12
85	Synthesis and Characterization of WO <sub>3</sub> Doped TiO <sub>2</sub> Particle/Nanowire Layer in Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 598, 32-39.	0.4	10
86	Working Pressure Dependence of WO <sub>3-x</sub> Thin Films Prepared by Reactive Facing Targets Sputtering. Molecular Crystals and Liquid Crystals, 2014, 602, 185-192.	0.4	2
87	Enhancing Performance of Dye-Sensitized Solar Cell Utilizing by Phosphor Layer (YAG:Ce). Molecular Crystals and Liquid Crystals, 2014, 602, 88-95.	0.4	1
88	Enhancing Photoelectrical Performance of Dye-Sensitized Solar Cell Using Phosphor Photoelectrode. Molecular Crystals and Liquid Crystals, 2014, 602, 96-103.	0.4	0
89	Pd catalyst promoted by two metal oxides with different reducibilities: Properties and performance in the selective hydrogenation of acetylene. Applied Catalysis A: General, 2014, 471, 80-83.	2.2	48
90	Preparation of a Phosphor/TiO <sub>2</sub> nanoparticle composite layer for applications in dye-sensitized solar cells. Journal of the Korean Physical Society, 2014, 65, 387-391.	0.3	1

#	ARTICLE	IF	CITATIONS
91	Influence of calcination temperature on the structure and optical properties of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> powders. Journal of the Korean Physical Society, 2014, 65, 216-221.	0.3	2
92	Al <sub>2</sub> O <sub>3</sub> Doping of TiO <sub>2</sub> electrodes and applications in dye-sensitized solar cells. Journal of the Korean Physical Society, 2014, 65, 368-371.	0.3	0
93	Room-temperature electronically-controlled ferromagnetism at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Nature Communications, 2014, 5, 5019.	5.8	115
94	In-situ X-ray microdiffraction analysis of local strain-field across the interface in a Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> /Ni <sub>0.8</sub> Zn <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> /Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> tri-layered structure. Current Applied Physics, 2014, 14, 582-585.	1.1	0
95	Influence of TiCl <sub>4</sub> Post-Treatment Condition on TiO <sub>2</sub> Electrode for Enhancement Photovoltaic Efficiency of Dye-Sensitized Solar Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 7705-7709.	0.9	16
96	Creation of a two-dimensional electron gas and conductivity switching of nanowires at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface grown by 90° off-axis sputtering. Applied Physics Letters, 2013, 103, .	1.5	13
97	Anomalous High Mobility in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanowires. Nano Letters, 2013, 13, 364-368.	4.5	39
98	Retention of resistance states in ferroelectric tunnel memristors. Applied Physics Letters, 2013, 103, .	1.5	26
99	Epitaxial Al <sub>2</sub> O <sub>3</sub> capacitors for low microwave loss superconducting quantum circuits. APL Materials, 2013, 1, .	2.2	9
100	Preparation of doping metal TiO <sub>2</sub> particle/nanotube composite layer and their applications in dye-sensitized solar cells. Metals and Materials International, 2013, 19, 1355-1359.	1.8	1
101	Polarization relaxation kinetics in ultrathin ferroelectric capacitors. Applied Physics Letters, 2013, 102, .	1.5	23
102	Magnetoelectric coupling at the EuO/BaTiO <sub>3</sub> interface. Applied Physics Letters, 2013, 102, .	1.5	14
103	Broadband Terahertz Generation and Detection at 10 nm Scale. Nano Letters, 2013, 13, 2884-2888.	4.5	26
104	Spin Structure in an Interfacially Coupled Epitaxial Ferromagnetic Oxide Heterostructure. Physical Review Letters, 2013, 110, 237201.	2.9	37
105	Structural and optical properties of bandgap engineered bismuth titanate by cobalt doping. Metals and Materials International, 2013, 19, 1361-1364.	1.8	9
106	Oxide-based platform for reconfigurable superconducting nanoelectronics. Nanotechnology, 2013, 24, 375201.	1.3	26
107	Nonlocal current-voltage characteristics of gated superconducting sketched oxide nanostructures. Europhysics Letters, 2013, 103, 57001.	0.7	8
108	Effect of Photoelectrode with Phosphor-Containing TiO <sub>2</sub> Layer for Dye-Sensitized Solar Cells. Japanese Journal of Applied Physics, 2013, 52, 11NM03.	0.8	1

#	ARTICLE	IF	CITATIONS
109	Anomalous Transport in Sketched Nanostructures at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. <i>Physical Review X</i> , 2013, 3, .	2.8	23
110	The Social Impact of Living with Developmental Coordination Disorder as a 13-year-old. <i>British Journal of Occupational Therapy</i> , 2013, 76, 362-369.	0.5	30
111	Optimal Doping Level of Bismuth Titanate to Modulate Optical Bandgap for Oxide Optoelectronics. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 454-457.	0.1	1
112	Near Infrared Shielding Properties of Quaternary Tungsten Bronze Nanoparticle Na <sub>0.11</sub> Cs <sub>0.22</sub> WO <sub>3</sub> . <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 731-734.	1.0	19
113	Properties of Ga-Al Doped ZnO with Various Thicknesses Prepared by Facing Targets Sputtering Method. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 566, 80-86.	0.4	3
114	Disseminated Mycobacterium chelonae Infection in a Patient Receiving an Epidermal Growth Factor Receptor Inhibitor for Advanced Head and Neck Cancer. <i>Journal of Clinical Microbiology</i> , 2012, 50, 194-195.	1.8	12
115	Pretreatment Time to Detection of Mycobacterium tuberculosis in Liquid Culture Is Associated with Relapse after Therapy. <i>Journal of Clinical Microbiology</i> , 2012, 50, 538-538.	1.8	19
116	Effect of Post Annealing in Various Atmospheric Environment Applied to ZnO:Ga Films. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 113-120.	0.4	3
117	Characteristics of AZO/Cu/AZO Multilayer Thin Films Prepared on Polyethersulfone Substrate at Room Temperature. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 564, 121-129.	0.4	12
118	Hysteretic Hall resistance at the LaAlO <sub>3</sub> -SrTiO <sub>3</sub> interface - interplay between superconducting and ferromagnetic properties. <i>Journal of Physics: Conference Series</i> , 2012, 400, 022071.	0.3	1
119	Ferroelectric Tunnel Memristor. <i>Nano Letters</i> , 2012, 12, 5697-5702.	4.5	285
120	Probing Surface and Bulk Electrochemical Processes on the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. <i>ACS Nano</i> , 2012, 6, 3841-3852.	7.3	65
121	Localization of two-dimensional electron gas in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>Physical Review B</i> , 2012, 85, .	1.1	33
122	Mechanically-Induced Resistive Switching in Ferroelectric Tunnel Junctions. <i>Nano Letters</i> , 2012, 12, 6289-6292.	4.5	58
123	Mechanical Writing of Ferroelectric Polarization. <i>Science</i> , 2012, 336, 59-61.	6.0	645
124	Switchable Induced Polarization in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. <i>Nano Letters</i> , 2012, 12, 1765-1771.	4.5	167
125	Electrical and Optical Properties of IZTO Thin Film for OLED Anode. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 567, 78-85.	0.4	1
126	Evidence for charge "vortex duality at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Communications</i> , 2012, 3, 955.	5.8	41



#	ARTICLE	IF	CITATIONS
127	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. Applied Physics Letters, 2012, 100, .	1.5	118
128	Direct Observations of Retention Failure in Ferroelectric Memories. Advanced Materials, 2012, 24, 1106-1110.	11.1	56
129	Enhancement of Ferroelectric Polarization Stability by Interface Engineering. Advanced Materials, 2012, 24, 1209-1216.	11.1	118
130	Coexistence of Superconductivity and Ferromagnetism in Two Dimensions. Physical Review Letters, 2011, 107, 056802.	2.9	423
131	Dependence of Epitaxial $\text{Ba}_{1-x}\text{Fe}_x\text{Co}_x\text{As}_2$ Thin Films Properties on $\text{SrTiO}_3$ Template Thickness. IEEE Transactions on Applied Superconductivity, 2011, 21, 2882-2886.	1.1	8
132	Small Axonless Neurons Postnatally Generated Neocortical Interneurons with Delayed Functional Maturation. Journal of Neuroscience, 2011, 31, 16731-16747.	1.7	51
133	Revealing the role of defects in ferroelectric switching with atomic resolution. Nature Communications, 2011, 2, 591.	5.8	214
134	Thick lead-free ferroelectric films with high Curie temperatures through nanocomposite-induced strain. Nature Nanotechnology, 2011, 6, 491-495.	15.6	220
135	Metallic and Insulating Oxide Interfaces Controlled by Electronic Correlations. Science, 2011, 331, 886-889.	6.0	212
136	Sketched oxide single-electron transistor. Nature Nanotechnology, 2011, 6, 343-347.	15.6	118
137	The Nature of Polarization Fatigue in BiFeO <sub>3</sub> . Advanced Materials, 2011, 23, 1621-1625.	11.1	127
138	Structural coupling across the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface: High-resolution x-ray diffraction study. Physical Review B, 2011, 84, 080401.	1.1	11
139	Self-assembled oxide nanopillars in epitaxial BaFe <sub>2</sub> As <sub>2</sub> thin films for vortex pinning. Applied Physics Letters, 2011, 98, .	1.1	27
140	Self-assembled oxide nanopillars in epitaxial BaFe <sub>2</sub> As <sub>2</sub> thin films for vortex pinning. Applied Physics Letters, 2011, 98, .	1.5	42
141	High-field properties of carbon-doped MgB <sub>2</sub> thin films by hybrid physical-chemical vapor deposition using different carbon sources. Superconductor Science and Technology, 2011, 24, 125014.	1.8	21
142	Tailoring a two-dimensional electron gas at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> (001) interface by epitaxial strain. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4720-4724.	3.3	218
143	R <sub>3c</sub> -R <sub>3m</sub> Octahedron-tilting Transition in Rhombohedrally-distorted BiFeO <sub>3</sub> Multiferroics. Journal of the Korean Physical Society, 2011, 58, 817-820.	0.3	12
144	Impact of substitutional and interstitial carbon defects on lattice parameters in MgB <sub>2</sub> . Journal of Applied Physics, 2010, 107, 023902.	1.1	13

#	ARTICLE	IF	CITATIONS
145	Conductance asymmetry in point-contacts on epitaxial thin films of Ba(Fe <sub>0.92</sub> Co <sub>0.08</sub> ) <sub>2</sub> As <sub>2</sub> . Applied Physics Letters, 2010, 97, .	1.5	8
146	Nanoscale rectification at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Applied Physics Letters, 2010, 97, 013102.	1.5	24
147	Beamline Reconfiguring and Commissioning for X-Ray Microdiffraction Experiments. , 2010, , .		0
148	Multi-gap superconductivity in a BaFe <sub>1.84</sub> Co <sub>0.16</sub> As <sub>2</sub> film from optical measurements at terahertz frequencies. European Physical Journal B, 2010, 77, 25-30.	0.6	26
149	Template engineering of Co-doped BaFe <sub>2</sub> As <sub>2</sub> single-crystal thin films. Nature Materials, 2010, 9, 397-402.	13.3	185
150	Spin injection/detection using an organic-based magnetic semiconductor. Nature Materials, 2010, 9, 638-642.	13.3	209
151	Rewritable nanoscale oxide photodetector. Nature Photonics, 2010, 4, 849-852.	15.6	126
152	Strong vortex pinning in Co-doped BaFe <sub>2</sub> As <sub>2</sub> single crystal thin films. Applied Physics Letters, 2010, 96, .	1.5	66
153	Pair-breaking effects and coherence peak in the terahertz conductivity of superconducting BaFe <sub>2-x</sub> Co <sub>2x</sub> As <sub>2</sub> thin films. Physical Review B, 2010, 82, .	1.1	32
154	Water-cycle mechanism for writing and erasing nanostructures at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Applied Physics Letters, 2010, 97, 173110.	1.5	143
155	Variations of ferroelectric off-centering distortion and d <sup>4</sup> mixing in La-doped BiFeO <sub>3</sub> thin films. Physical Review B, 2010, 82, .	1.1	74
156	Creation of a two-dimensional electron gas at an oxide interface on silicon. Nature Communications, 2010, 1, 94.	5.8	160
157	Phase-incoherent Superconducting Pairs in the Normal State of Ba <sub>1-x</sub> Fe <sub>x</sub> As <sub>2</sub> . Physical Review Letters, 2010, 105, 167003.	2.9	20
158	Ferroelectricity in Strain-Free SrTiO <sub>3</sub> Thin Films. Physical Review Letters, 2010, 104, 197601.	2.9	233
159	Ferroelectricity in nonstoichiometric SrTiO <sub>3</sub> films studied by ultraviolet Raman spectroscopy. Applied Physics Letters, 2010, 97, .	1.5	57
160	Quasi-single-crystal (001) SrTiO <sub>3</sub> templates on Si. Applied Physics Letters, 2009, 95, .	1.5	24
161	Weak-link behavior of grain boundaries in superconducting Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> bicrystals. Applied Physics Letters, 2009, 95, .	1.5	163
162	Electric-field-induced structural modulation of epitaxial BiFeO <sub>3</sub> multiferroic thin films as studied using x-ray microdiffraction. Applied Physics Letters, 2007, 90, 022902.	1.5	21

#	ARTICLE	IF	CITATIONS
163	Two-dimensional mapping of triaxial strain fields in a multiferroic BiFeO <sub>3</sub> thin film using scanning x-ray microdiffraction. Applied Physics Letters, 2007, 90, 102904.	1.5	4