

Chung Wung Bark

List of Publications by Year in descending order

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163
papers

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citations

87723

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69108

77
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167
all docs

167
docs citations

167
times ranked

7582
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Writing of Ferroelectric Polarization. Science, 2012, 336, 59-61.	6.0	645
2	Coexistence of Superconductivity and Ferromagnetism in Two Dimensions. Physical Review Letters, 2011, 107, 056802.	2.9	423
3	Ferroelectric Tunnel Memristor. Nano Letters, 2012, 12, 5697-5702.	4.5	285
4	Ferroelectricity in Strain-Free SrTiO_3 Thin Films. Physical Review Letters, 2010, 104, 197601.	2.9	233
5	Thick lead-free ferroelectric films with high Curie temperatures through nanocomposite-induced strain. Nature Nanotechnology, 2011, 6, 491-495.	15.6	220
6	Tailoring a two-dimensional electron gas at the $\text{LaAlO}_3/\text{SrTiO}_3$ (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
7	Revealing the role of defects in ferroelectric switching with atomic resolution. Nature Communications, 2011, 2, 591.	5.8	214
8	Metallic and Insulating Oxide Interfaces Controlled by Electronic Correlations. Science, 2011, 331, 886-889.	6.0	212
9	Spin injection/detection using an organic-based magnetic semiconductor. Nature Materials, 2010, 9, 638-642.	13.3	209
10	Template engineering of Co-doped BaFe_2As_2 single-crystal thin films. Nature Materials, 2010, 9, 397-402.	13.3	185
11	Switchable Induced Polarization in $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. Nano Letters, 2012, 12, 1765-1771.	4.5	167
12	Weak-link behavior of grain boundaries in superconducting $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ bicrystals. Applied Physics Letters, 2009, 95, .	1.5	163
13	Creation of a two-dimensional electron gas at an oxide interface on silicon. Nature Communications, 2010, 1, 94.	5.8	160
14	"Water-cycle" mechanism for writing and erasing nanostructures at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Applied Physics Letters, 2010, 97, 173110.	1.5	143
15	The Nature of Polarization Fatigue in BiFeO_3 . Advanced Materials, 2011, 23, 1621-1625.	11.1	127
16	Rewritable nanoscale oxide photodetector. Nature Photonics, 2010, 4, 849-852.	15.6	126
17	Sketched oxide single-electron transistor. Nature Nanotechnology, 2011, 6, 343-347.	15.6	118
18	Electric modulation of magnetization at the $\text{BaTiO}_3/\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ interfaces. Applied Physics Letters, 2012, 100, .	1.5	118

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19	Enhancement of Ferroelectric Polarization Stability by Interface Engineering. <i>Advanced Materials</i> , 2012, 24, 1209-1216.	11.1	118
20	Room-temperature electronically-controlled ferromagnetism at the LaAlO ₃ /SrTiO ₃ interface. <i>Nature Communications</i> , 2014, 5, 5019.	5.8	115
21	Mechanical Tuning of LaAlO ₃ /SrTiO ₃ Interface Conductivity. <i>Nano Letters</i> , 2015, 15, 3547-3551.	4.5	75
22	Variations of ferroelectric off-centering distortion and α mixing in La-doped BiFeO_3 . <i>Physical Review B</i> , 2010, 82, .	1.1	74
23	Strong vortex pinning in Co-doped BaFe ₂ As ₂ single crystal thin films. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	66
24	Probing Surface and Bulk Electrochemical Processes on the LaAlO ₃ /SrTiO ₃ Interface. <i>ACS Nano</i> , 2012, 6, 3841-3852.	7.3	65
25	Characteristics of the Dye-Sensitized Solar Cells Using TiO ₂ Nanotubes Treated with TiCl ₄ . <i>Materials</i> , 2014, 7, 3522-3532.	1.3	64
26	Synthesis of Cobalt-Doped TiO ₂ 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
27	Enhanced Oxygen Evolution Electrocatalysis in Strained A-Site Cation Deficient LaNiO ₃ Perovskite Thin Films. <i>Nano Letters</i> , 2020, 20, 8040-8045.	4.5	61
28	Mechanically-Induced Resistive Switching in Ferroelectric Tunnel Junctions. <i>Nano Letters</i> , 2012, 12, 6289-6292.	4.5	58
29	Ferroelectricity in nonstoichiometric SrTiO ₃ films studied by ultraviolet Raman spectroscopy. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	57
30	Direct Observations of Retention Failure in Ferroelectric Memories. <i>Advanced Materials</i> , 2012, 24, 1106-1110.	11.1	56
31	Nanomechanics of flexoelectric switching. <i>Physical Review B</i> , 2015, 92, .	1.1	56
32	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
33	Small Axonless Neurons Postnatally Generated Neocortical Interneurons with Delayed Functional Maturation. <i>Journal of Neuroscience</i> , 2011, 31, 16731-16747.	1.7	51
34	Pd catalyst promoted by two metal oxides with different reducibilities: Properties and performance in the selective hydrogenation of acetylene. <i>Applied Catalysis A: General</i> , 2014, 471, 80-83.	2.2	48
35	Self-assembled oxide nanopillars in epitaxial BaFe ₂ As ₂ thin films for vortex pinning. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	42
36	Template-engineered epitaxial BiVO ₄ photoanodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18831-18838.	5.2	42

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37	Evidence for charge "vortex" duality at the LaAlO ₃ /SrTiO ₃ interface. Nature Communications, 2012, 3, 955.	5.8	41
38	Anomalous High Mobility in LaAlO ₃ /SrTiO ₃ Nanowires. Nano Letters, 2013, 13, 364-368.	4.5	39
39	Spin Structure in an Interfacially Coupled Epitaxial Ferromagnetic Oxide Heterostructure. Physical Review Letters, 2013, 110, 237201.	2.9	37
40	Photovoltaic technologies for flexible solar cells: beyond silicon. Materials Today Energy, 2021, 19, 100583.	2.5	37
41	Large enhancement of the photovoltaic effect in ferroelectric complex oxides through bandgap reduction. Scientific Reports, 2016, 6, 28313.	1.6	34
42	Localization of two-dimensional electron gas in LaAlO ₃ /SrTiO ₃ heterostructures. Physical Review B, 2012, 85, .	1.1	33
43	Pair-breaking effects and coherence peak in the terahertz conductivity of superconducting BaFe ₂ As ₂ thin films. Physical Review B, 2010, 82, .	1.1	32
44	Mechanically induced ferroelectric switching in BaTiO ₃ thin films. Acta Materialia, 2020, 193, 151-162.	3.8	31
45	The Social Impact of Living with Developmental Coordination Disorder as a 13-year-old. British Journal of Occupational Therapy, 2013, 76, 362-369.	0.5	30
46	Practical Demonstration of Deep-Ultraviolet Detection with Wearable and Self-Powered Halide Perovskite-Based Photodetector. ACS Applied Materials & Interfaces, 2021, 13, 57609-57618.	4.0	28
47	Superfluid density measurements of a $\text{Ba}_{1-x}\text{Co}_x\text{Fe}_2\text{As}_2$ film from optical measurements at terahertz frequencies. European Physical Journal B, 2010, 77, 25-30.	1.1	27
48	Review Ferroelectric Materials: A Novel Pathway for Efficient Solar Water Splitting. Applied Sciences (Switzerland), 2018, 8, 1526.	1.3	27
49	Multi-gap superconductivity in a BaFe _{1.84} Co _{0.16} As ₂ film from optical measurements at terahertz frequencies. European Physical Journal B, 2010, 77, 25-30.	0.6	26
50	Retention of resistance states in ferroelectric tunnel memristors. Applied Physics Letters, 2013, 103, .	1.5	26
51	Broadband Terahertz Generation and Detection at 10 nm Scale. Nano Letters, 2013, 13, 2884-2888.	4.5	26
52	Oxide-based platform for reconfigurable superconducting nanoelectronics. Nanotechnology, 2013, 24, 375201.	1.3	26
53	Quasi-single-crystal (001) SrTiO ₃ templates on Si. Applied Physics Letters, 2009, 95, .	1.5	24
54	Nanoscale rectification at the LaAlO ₃ /SrTiO ₃ interface. Applied Physics Letters, 2010, 97, 013102.	1.5	24

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55	Polarization relaxation kinetics in ultrathin ferroelectric capacitors. Applied Physics Letters, 2013, 102, .	1.5	23
56	Anomalous Transport in Sketched Nanostructures at the LaAlO ₃ /SrTiO ₃ Interface. Physical Review X, 2013, 3, .	2.8	23
57	Phase-incoherent Superconducting Pairs in the Normal State of $\text{Ba}_{1-x}\text{Fe}_x\text{O}_{2.9}$. Physical Review Letters, 2010, 105, 167003.		
58	Electric-field-induced structural modulation of epitaxial BiFeO ₃ multiferroic thin films as studied using x-ray microdiffraction. Applied Physics Letters, 2007, 90, 022902.	1.5	21
59	High-field properties of carbon-doped MgB ₂ thin films by hybrid physical-chemical vapor deposition using different carbon sources. Superconductor Science and Technology, 2011, 24, 125014.	1.8	21
60	Pretreatment Time to Detection of Mycobacterium tuberculosis in Liquid Culture Is Associated with Relapse after Therapy. Journal of Clinical Microbiology, 2012, 50, 538-538.	1.8	19
61	Near Infrared Shielding Properties of Quaternary Tungsten Bronze Nanoparticle Na _{0.11} Cs _{0.22} WO ₃ . Bulletin of the Korean Chemical Society, 2013, 34, 731-734.	1.0	19
62	The effect of dye-sensitized solar cell based on the composite layer by anodic TiO ₂ nanotubes. Nanoscale Research Letters, 2014, 9, 671.	3.1	16
63	Influence of TiCl ₄ Post-Treatment Condition on TiO ₂ Electrode for Enhancement Photovoltaic Efficiency of Dye-Sensitized Solar Cells. Journal of Nanoscience and Nanotechnology, 2014, 14, 7705-7709.	0.9	16
64	Silicon-Based Technologies for Flexible Photovoltaic (PV) Devices: From Basic Mechanism to Manufacturing Technologies. Nanomaterials, 2021, 11, 2944.	1.9	16
65	Magnetoelectric coupling at the EuO/BaTiO ₃ interface. Applied Physics Letters, 2013, 102, .	1.5	14
66	Non-local piezoresponse of LaAlO ₃ /SrTiO ₃ heterostructures. Applied Physics Letters, 2014, 104, 161606.	1.5	14
67	Impact of substitutional and interstitial carbon defects on lattice parameters in MgB ₂ . Journal of Applied Physics, 2010, 107, 023902.	1.1	13
68	Creation of a two-dimensional electron gas and conductivity switching of nanowires at the LaAlO ₃ /SrTiO ₃ interface grown by 90° off-axis sputtering. Applied Physics Letters, 2013, 103, .	1.5	13
69	Disseminated Mycobacterium chelonae Infection in a Patient Receiving an Epidermal Growth Factor Receptor Inhibitor for Advanced Head and Neck Cancer. Journal of Clinical Microbiology, 2012, 50, 194-195.	1.8	12
70	Characteristics of AZO/Cu/AZO Multilayer Thin Films Prepared on Polyethersulfone Substrate at Room Temperature. Molecular Crystals and Liquid Crystals, 2012, 564, 121-129.	0.4	12
71	Influence of Fe ₂ O ₃ Doping on TiO ₂ Electrode for Enhancement Photovoltaic Efficiency of Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 600, 39-46.	0.4	12
72	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

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73	Highly porous nanostructured NiO@C as interface-effective layer in planar n-i-p perovskite solar cells. Journal of Alloys and Compounds, 2020, 841, 155711.	2.8	12
74	R3c-R3m Octahedron-tilting Transition in Rhombohedrally-distorted BiFeO3 Multiferroics. Journal of the Korean Physical Society, 2011, 58, 817-820.	0.3	12
75	Recent advances in self-powered and flexible UVC photodetectors. Exploration, 2022, 2, .	5.4	12
76	Structural coupling across the $\text{LaAlO}_3/\text{SrTiO}_3$ interface: High-resolution x-ray diffraction study. Physical Review B, 2011, 84, .	1.1	11
77	Influence of transition metal doping ($\text{X} = \text{Co}, \text{Fe}$) on structural, optical properties of Ferroelectric $\text{Bi}_{3.25}\text{La}_{0.75}\text{XTi}_2\text{O}_{12}$. Nano Convergence, 2015, 2, .	6.3	11
78	The Effect of Phosphor-TiO ₂ Layer on the Performance of Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 600, 47-55.	0.4	10
79	Synthesis and Characterization of WO ₃ Doped TiO ₂ Particle/Nanowire Layer in Dye-Sensitized Solar Cells. Molecular Crystals and Liquid Crystals, 2014, 598, 32-39.	0.4	10
80	Giant Electroresistive Ferroelectric Diode on 2DEG. Scientific Reports, 2015, 5, 10548.	1.6	10
81	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
82	Surface Energy Change of Atomic-Scale Metal Oxide Thin Films by Phase Transformation. ACS Nano, 2020, 14, 676-687.	7.3	10
83	Study on Performance Improvements in Perovskite-Based Ultraviolet Sensors Prepared Using Toluene Antisolvent and CH ₃ NH ₃ Cl. Nanomaterials, 2021, 11, 1000.	1.9	10
84	Epitaxial Al ₂ O ₃ capacitors for low microwave loss superconducting quantum circuits. APL Materials, 2013, 1, .	2.2	9
85	Structural and optical properties of bandgap engineered bismuth titanate by cobalt doping. Metals and Materials International, 2013, 19, 1361-1364.	1.8	9
86	Magnetic field tuned superconductor-to-insulator transition at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2014, 90, .	1.1	9
87	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
88	Particle size dependence of the electrochemical properties of SrMnO ₃ supercapacitor electrodes. Journal of Solid State Electrochemistry, 2021, 25, 1121-1129.	1.2	9
89	Conductance asymmetry in point-contacts on epitaxial thin films of $\text{Ba}(\text{Fe}_{0.92}\text{Co}_{0.08})_2\text{As}_2$. Applied Physics Letters, 2010, 97, .	1.5	8
90	Dependence of Epitaxial $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ Thin Films Properties on SrTiO_3 Template Thickness. IEEE Transactions on Applied Superconductivity, 2011, 21, 2882-2886.	1.1	8

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91	Nonlocal current-voltage characteristics of gated superconducting sketched oxide nanostructures. Europhysics Letters, 2013, 103, 57001.	0.7	8
92	Reversible magnetoelectric switching in multiferroic three-dimensional nanocup heterostructure films. NPG Asia Materials, 2019, 11, .	3.8	8
93	Facile Synthesis of Spherical TiO ₂ Hollow Nanospheres with a Diameter of 150 nm for High-Performance Mesoporous Perovskite Solar Cells. Materials, 2021, 14, 629.	1.3	8
94	Low-Temperature Thermally Evaporated SnO ₂ Based Electron Transporting Layer for Perovskite Solar Cells with Annealing Process. Journal of Nanoscience and Nanotechnology, 2020, 20, 5491-5497.	0.9	7
95	Characteristics of Perovskites ReNiO ₃ (Re = La and Nd) Prepared by Solid State Reaction in the Ambient of Oxygen. Journal of Nanoscience and Nanotechnology, 2020, 20, 4239-4243.	0.9	7
96	Reduced Defects and Enhanced Performance of (FAPbI ₃) _{0.97} (MAPbBr ₃) _{0.03} -Based Perovskite Solar Cells by Trimesic Acid Additives. ACS Omega, 2021, 6, 16151-16158.	1.6	7
97	Dispersed SnO ₂ colloids using sodium dodecyl benzene sulfonate for high-performance planar perovskite solar cells. Solar Energy, 2021, 230, 747-753.	2.9	7
98	Efficiency Improvement of Dye-Sensitized Solar Cells Using WO ₃ . Molecular Crystals and Liquid Crystals, 2014, 602, 81-87.	0.4	6
99	Effect of Surface Treatment by Chemical-Mechanical Polishing for Transparent Electrode of Perovskite Solar Cells. Energies, 2020, 13, 585.	1.6	6
100	Experimental realization of strain-induced room-temperature ferroelectricity in SrMnO ₃ films via selective oxygen annealing. NPG Asia Materials, 2021, 13, .	3.8	6
101	Crystallographic structure and ferroelectricity of epitaxial hafnium oxide thin films. Journal of the Korean Ceramic Society, 2022, 59, 25-43.	1.1	6
102	Enhancement of Ferroelectric Properties of Superlattice-Based Epitaxial BiFeO ₃ Thin Films via Substitutional Doping Effect. Journal of Physical Chemistry C, 2019, 123, 11564-11571.	1.5	5
103	Template Engineering of Metal-to-Insulator Transitions in Epitaxial Bilayer Nickelate Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 54466-54475.	4.0	5
104	Ni-Doped SnO ₂ as an Electron Transport Layer by a Low-Temperature Process in Planar Perovskite Solar Cells. ACS Omega, 2022, 7, 22256-22262.	1.6	5
105	Two-dimensional mapping of triaxial strain fields in a multiferroic BiFeO ₃ thin film using scanning x-ray microdiffraction. Applied Physics Letters, 2007, 90, 102904.	1.5	4
106	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
107	Spotlight on nano-theranostics in South Korea: applications in diagnostics and treatment of diseases. International Journal of Nanomedicine, 2015, 10 Spec Iss, 3.	3.3	4
108	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

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109	Effects of Doping Ratio of Cobalt and Iron on the Structure and Optical Properties of Bi _{3.25} La _{0.75} FexCo _{1-x} Ti ₂ O ₁₂ (x = 0, 0.25, 0.5, 0.75, 1). Journal of Nanoscience and Nanotechnology, 2015, 15, 7841-7844.	0.9	4
110	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
111	Efficiency enhancement using voltage biasing for ferroelectric polarization in dye-sensitized solar cells. Applied Surface Science, 2018, 429, 37-41.	3.1	4
112	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
113	Fabrication and characterization of perovskite solar cells with ZnGa ₂ O ₄ mixed TiO ₂ photoelectrode. Japanese Journal of Applied Physics, 2019, 58, SDDE15.	0.8	4
114	Effect of UV-Light Treatment on Efficiency of Perovskite Solar Cells (PSCs). Energies, 2020, 13, 1069.	1.6	4
115	Particle Size Effect of Lanthanum-Modified Bismuth Titanate Ceramics on Ferroelectric Effect for Energy Harvesting. Nanoscale Research Letters, 2021, 16, 115.	3.1	4
116	Properties of Ga-Al Doped ZnO with Various Thicknesses Prepared by Facing Targets Sputtering Method. Molecular Crystals and Liquid Crystals, 2012, 566, 80-86.	0.4	3
117	Effect of Post Annealing in Various Atmospheric Environment Applied to ZnO:Ga Films. Molecular Crystals and Liquid Crystals, 2012, 564, 113-120.	0.4	3
118	Effect of dye-sensitized solar cells based on the anodizing TiO ₂ nanotube array/nanoparticle double-layer electrode. Japanese Journal of Applied Physics, 2014, 53, 11R02.	0.8	3
119	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
120	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
121	Improved characteristics of a perovskite solar cell by the annealing process and UV irradiation on the TiO ₂ layer. Japanese Journal of Applied Physics, 2019, 58, SBBF11.	0.8	3
122	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
123	Characteristics of bioactive HA/TiO ₂ coating nanoparticles for biomedical applications by using sodium dodecylbenzenesulfonate surfactant. Japanese Journal of Applied Physics, 2019, 58, SAAG01.	0.8	3
124	Photofunctionalizing effects of hydroxyapatite combined with TiO ₂ on bone regeneration in rabbit calvarial defects. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1953-1959.	1.6	3
125	Characterization of Perovskite Solar Cell with Fe ³⁺ Doped TiO ₂ Layer. Journal of Nanoscience and Nanotechnology, 2020, 20, 552-556.	0.9	3
126	Improving Photovoltaic Performance of Dye-Sensitized Solar Cell by Effect of Y ₂ O ₃ :Yb ₃ Er ₃ . Journal of Nanoelectronics and Optoelectronics, 2015, 10, 126-130.	0.1	3

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127	Properties of Perovskite Solar Cells by the Sputtered Compact TiO ₂ Layer. Science of Advanced Materials, 2017, 9, 1517-1521.	0.1	3
128	Working Pressure Dependence of WO _{3-x} Thin Films Prepared by Reactive Facing Targets Sputtering. Molecular Crystals and Liquid Crystals, 2014, 602, 185-192.	0.4	2
129	Influence of calcination temperature on the structure and optical properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ powders. Journal of the Korean Physical Society, 2014, 65, 216-221.	0.3	2
130	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
131	Optimal Doping Level of Iron in Bismuth Titanate for Oxide Optoelectronics. Journal of Nanoscience and Nanotechnology, 2017, 17, 7307-7311.	0.9	2
132	Fabrication and Analysis of Perovskite Solar Cells (PSCs) by Using Phosphor and TiO ₂ Photoelectrode. Journal of Nanoscience and Nanotechnology, 2019, 19, 1615-1619.	0.9	2
133	Change of Phase Transition Temperature in Band Engineered Ferroelectric Lanthanum-Modified Bismuth Titanates. Journal of Nanoscience and Nanotechnology, 2020, 20, 7135-7139.	0.9	2
134	Effect of lithium bis(trifluoromethane)sulfonimide treatment on titanium dioxide-based electron transporting layer of perovskite solar cells. Thin Solid Films, 2020, 700, 137888.	0.8	2
135	Characterization of perovskite solar cells with a solution-processed two-stage SnO ₂ electron transport layer. Molecular Crystals and Liquid Crystals, 2022, 735, 75-83.	0.4	2
136	Optoelectric Response of Two-Dimensional Electron Gas at the LaAlO ₃ /SrTiO ₃ Interface. Science of Advanced Materials, 2015, 7, 686-694.	0.1	2
137	Electronic reconstruction at the polar (111)-oriented oxide interface. APL Materials, 2022, 10, .	2.2	2
138	Hysteretic Hall resistance at the LaAlO ₃ -SrTiO ₃ interface - interplay between superconducting and ferromagnetic properties. Journal of Physics: Conference Series, 2012, 400, 022071.	0.3	1
139	Electrical and Optical Properties of IZTO Thin Film for OLED Anode. Molecular Crystals and Liquid Crystals, 2012, 567, 78-85.	0.4	1
140	Preparation of doping metal TiO ₂ particle/nanotube composite layer and their applications in dye-sensitized solar cells. Metals and Materials International, 2013, 19, 1355-1359.	1.8	1
141	Effect of Photoelectrode with Phosphor-Containing TiO ₂ Layer for Dye-Sensitized Solar Cells. Japanese Journal of Applied Physics, 2013, 52, 11NM03.	0.8	1
142	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
143	Enhancing Performance of Dye-Sensitized Solar Cell Influenced by Phosphor ZnGa ₂ O ₄ . Molecular Crystals and Liquid Crystals, 2014, 598, 40-46.	0.4	1
144	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

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145	Preparation of a Phosphor/TiO ₂ nanoparticle composite layer for applications in dye-sensitized solar cells. Journal of the Korean Physical Society, 2014, 65, 387-391.	0.3	1
146	Structural properties of LaAlO ₃ /SrTiO ₃ interfaces deposited by using off-axis RF sputtering. Journal of the Korean Physical Society, 2016, 68, 1395-1398.	0.3	1
147	Synthesis and characterization of UV-treated Fe-doped bismuth lanthanum titanate-doped TiO ₂ layers in dye-sensitized solar cells. Journal of the Korean Physical Society, 2016, 68, 1399-1402.	0.3	1
148	Synthesis and Characterization of Hf _{0.5} Zr _{0.5} O ₂ (HZO) Ceramic Target via Modified Solid-State Reaction Method. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 833-837.	0.1	1
149	Preparation of Hexagonal SrMnO ₃ High-Quality Target for Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2021, 21, 4005-4010.	0.9	1
150	Properties of the mesoporous perovskite solar cell by plasma surface activation with a titanium dioxide electrode. Molecular Crystals and Liquid Crystals, 2022, 735, 84-92.	0.4	1
151	Optimal Doping Level of Bismuth Titanate to Modulate Optical Bandgap for Oxide Optoelectronics. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 454-457.	0.1	1
152	Influence of the Calcination Temperature on the Structure and Optical Properties of Bi ₃ Bi ₂₅ La ₀ CoTi ₂ O ₁₂ Powders. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 163-167.	0.1	1
153	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. Coatings, 2022, 12, 203.	1.2	1
154	Beamline Reconfiguring and Commissioning for X-Ray Microdiffraction Experiments., 2010, , .		0
155	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
156	Enhancing Photoelectrical Performance of Dye-Sensitized Solar Cell Using Phosphor Photoelectrode. Molecular Crystals and Liquid Crystals, 2014, 602, 96-103.	0.4	0
157	Al ₂ O ₃ Doping of TiO ₂ electrodes and applications in dye-sensitized solar cells. Journal of the Korean Physical Society, 2014, 65, 368-371.	0.3	0
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