Weijie Song

List of Publications by Citations

225 papers	3,673 citations	33 h-index	47 g-index
235 ext. papers	4,414 ext. citations	5.1 avg, IF	5.58 L-index

#	Paper	IF	Citations
225	Preparation of solid silver nanoparticles for inkjet printed flexible electronics with high conductivity. *Nanoscale*, **2014**, 6, 1622-8	7.7	194
224	Multifunctional antireflection coatings based on novel hollow silica-silica nanocomposites. *ACS Applied Materials & Interfaces*, **2014**, 6, 1415-23	9.5	89
223	Highly thermostable, flexible, transparent, and conductive films on polyimide substrate with an AZO/AgNW/AZO structure. *ACS Applied Materials & Interfaces*, **2015**, 7, 4299-305	9.5	86
222	Highly flexible and transparent film heaters based on polyimide films embedded with silver nanowires. *RSC Advances*, **2015**, 5, 45836-45842	3.7	83
221	Removal of heavy metal ions from aqueous solution using Fe3O4-SiO2-poly(1,2-diaminobenzene) core-shell sub-micron particles. *Journal of Colloid and Interface Science*, **2012**, 387, 205-12	9.3	79
220	Angle dependent X-ray photoemission study on UV-ozone treatments of indium tin oxide. *Applied Surface Science*, **2001**, 177, 158-164	6.7	67
219	Solvothermal synthesis of highly crystallized quaternary chalcogenide Cu2FeSnS4 particles. *Materials Letters*, **2013**, 102-103, 39-42	3.3	66
218	Synthesis of SnO2 nano-sheets by a template-free hydrothermal method. *Materials Letters*, **2009**, 63, 2085-2088	3.3	66
217	Selective and effective adsorption of methyl blue by barium phosphate nano-flake. *Journal of Colloid and Interface Science*, **2012**, 386, 277-84	9.3	64
216	Properties of polyacrylic acid-coated silver nanoparticle ink for inkjet printing conductive tracks on paper with high conductivity. *Materials Chemistry and Physics*, **2014**, 147, 550-556	4.4	60
215	Adsorption behavior and mechanism of methyl blue on zinc oxide nanoparticles. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	57
214	Inverted All-Inorganic CsPbI2Br Perovskite Solar Cells with Promoted Efficiency and Stability by Nickel Incorporation. *Chemistry of Materials*, **2019**, 31, 9032-9039	9.6	54
213	Design, preparation, and durability of TiO2/SiO2 and ZrO2/SiO2 double-layer antireflective coatings in crystalline silicon solar modules. *Solar Energy*, **2013**, 89, 134-142	6.8	52
212	Preparation of ZnO nanoparticles by a surfactant-assisted complex sol–gel method using zinc nitrate. *Journal of Sol-Gel Science and Technology*, **2009**, 51, 198-203	2.3	51
211	A Universal Route to Realize Radiative Cooling and Light Management in Photovoltaic Modules. *Solar Rrl*, **2017**, 1, 1700084	7.1	49
210	Preparation of pompon-like ZnO-PANI heterostructure and its applications for the treatment of typical water pollutants under visible light. *Journal of Hazardous Materials*, **2017**, 338, 276-286	12.8	48
209	A work function study of ultra-thin alumina formation on NiAl(110) surface. *Applied Surface Science*, **2005**, 251, 14-18	6.7	48

208	Controllable synthesis and magnetic properties of Fe3O4 and Fe3O4@SiO2 microspheres. *Journal of Materials Science*, **2010**, 45, 5347-5352	4.3	46
207	Flexible transparent conductive films on PET substrates with an AZO/AgNW/AZO sandwich structure. *Journal of Materials Chemistry C*, **2014**, 2, 3750-3755	7.1	45
206	Angular-dependent photoemission studies of indium tin oxide surfaces. *Applied Physics A: Materials Science and Processing*, **2001**, 72, 361-365	2.6	45
205	Monodisperse magnetic hydroxyapatite/Fe3O4 microspheres for removal of lead(II) from aqueous solution. *Journal of Alloys and Compounds*, **2015**, 637, 531-537	5.7	40
204	Dependence of aluminum-doped zinc oxide work function on surface cleaning method as studied by ultraviolet and X-ray photoelectron spectroscopies. *Applied Surface Science*, **2011**, 257, 3884-3887	6.7	40
203	Achieving over 21% efficiency in inverted perovskite solar cells by fluorinating a dopant-free hole transporting material. *Journal of Materials Chemistry A*, **2020**, 8, 6517-6523	13	39
202	Enhanced flexible room temperature ammonia sensor based on PEDOT: PSS thin film with FeCl3 additives prepared by inkjet printing. *Sensors and Actuators B: Chemical*, **2019**, 298, 126890	8.5	39
201	Effects of substrate temperature on the structural, morphological, electrical and optical properties of Al and Ga co-doped ZnO thin films grown by DC magnetron sputtering. *Materials Letters*, **2015**, 145, 279-282	3.3	39
200	Optical and electrical properties of aluminum-doped zinc oxide nanoparticles. *Journal of Materials Science*, **2011**, 46, 774-780	4.3	38
199	Role of air exposure in the improvement of injection efficiency of transition metal oxide/organic contact. *Organic Electronics*, **2010**, 11, 89-94	3.5	37
198	Preparation and cold welding of silver nanowire based transparent electrodes with optical transmittances >90% and sheet resistances . *Journal of Colloid and Interface Science*, **2018**, 512, 208-218	9.3	36
197	Suppressing the ions-induced degradation for operationally stable perovskite solar cells. *Nano Energy*, **2019**, 64, 103962	17.1	36
196	Chemical anti-corrosion strategy for stable inverted perovskite solar cells. *Science Advances*, **2020**, 6,	14.3	35
195	Influence of semiconductor/insulator/semiconductor structure on the photo-catalytic activity of Fe3O4/SiO2/polythiophene core/shell submicron composite. *Applied Catalysis B: Environmental*, **2014**, 150-151, 472-478	21.8	35
194	A highly stretchable and transparent silver nanowire/thermoplastic polyurethane film strain sensor for human motion monitoring. *Inorganic Chemistry Frontiers*, **2019**, 6, 3119-3124	6.8	34
193	Sol-gel derived near-UV and visible antireflection coatings from hybridized hollow silica nanospheres. *Journal of Sol-Gel Science and Technology*, **2014**, 71, 267-275	2.3	33
192	Synthesis, characterization and gas-sensing properties of Pd-doped SnO2 nano particles. *Transactions of Nonferrous Metals Society of China*, **2011**, 21, 1568-1573	3.3	33
191	Shape-controlled growth and single-crystal XRD study of submillimeter-sized single crystals of SnO. *CrystEngComm*, **2011**, 13, 5677	3.3	33

190	Tailoring In Situ Healing and Stabilizing Post-Treatment Agent for High-Performance Inverted CsPbI3 Perovskite Solar Cells with Efficiency of 16.67%. *ACS Energy Letters*, **2020**, 5, 3314-3321	20.1	30
189	Highly Foldable and Efficient Paper-Based Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1800317	7.1	29
188	Synthesis of colourless silver precursor ink for printing conductive patterns on silicon nitride substrates. *Applied Surface Science*, **2012**, 258, 7384-7388	6.7	28
187	Seed-layer-free growth of ultra-thin Ag transparent conductive films imparts flexibility to polymer solar cells. *Solar Energy Materials and Solar Cells*, **2018**, 184, 73-81	6.4	28
186	Solution-Processed Transparent Conducting Electrodes for Flexible Organic Solar Cells with 16.61% Efficiency. *Nano-Micro Letters*, **2021**, 13, 44	19.5	27
185	Oxygen adsorption on Cu□ at. %Al(111) studied by low energy electron diffraction and Auger electron spectroscopy. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2003**, 21, 1290-1293	2.9	26
184	Ultraflexible and biodegradable perovskite solar cells utilizing ultrathin cellophane paper substrates and TiO2/Ag/TiO2 transparent electrodes. *Solar Energy*, **2019**, 188, 158-163	6.8	25
183	Study on the interaction between Ag and tris(8-hydroxyquinoline) aluminum using x-ray photoelectron spectroscopy. *Surface and Interface Analysis*, **2001**, 32, 70-73	1.5	25
182	Preparation of humidity, abrasion, and dust resistant antireflection coatings for photovoltaic modules via dual precursor modification and hybridization of hollow silica nanospheres. *Solar Energy Materials and Solar Cells*, **2019**, 192, 188-196	6.4	25
181	Fabrication of Flexible Transparent Conductive Films with Silver Nanowire by Vacuum Filtration and PET Mold Transfer. *Journal of Materials Science and Technology*, **2016**, 32, 158-161	9.1	24
180	Effective Surface Treatment for High-Performance Inverted CsPbIBr Perovskite Solar Cells with Efficiency of 15.92. *Nano-Micro Letters*, **2020**, 12, 170	19.5	24
179	Effective removal of methyl blue by fine-structured strontium and barium phosphate nanorods. *Applied Surface Science*, **2015**, 326, 195-203	6.7	23
178	Synthesis of hierarchical Sn3O4 microflowers self-assembled by nanosheets. *Materials Letters*, **2014** , 120, 140-142	3.3	23
177	Dynamic SIMS characterization of interface structure of Ag/Alq3/NPB/ITO model devices. *Surface and Interface Analysis*, **2001**, 32, 102-105	1.5	23
176	Low temperature synthesis of nano porous 12CaO□7Al2O3 powder by hydrothermal method. *Journal Wuhan University of Technology, Materials Science Edition*, **2016**, 31, 1201-1205	1	23
175	Kirigami-Based Highly Stretchable Thin Film Solar Cells That Are Mechanically Stable for More than 1000 Cycles. *ACS Nano*, **2020**, 14, 1560-1568	16.7	22
174	Universal Low-Temperature Process for Preparation of Multifunctional High-Performance Antireflective Mesoporous Silica Coatings on Transparent Polymeric Substrates. *ACS Applied Materials & Interfaces*, **2018**, 10, 4993-4999	9.5	22
173	Efficient and selective immobilization of Pb2+ in highly acidic wastewater using strontium hydroxyapatite nanorods. *Chemical Engineering Journal*, **2012**, 203, 110-114	14.7	22

172	The preparation of LiCoO2 nanoplates via a hydrothermal process and the investigation of their electrochemical behavior at high rates. *Nanotechnology*, **2009**, 20, 115608	3.4	22
171	Flexible passive radiative cooling inspired by Saharan silver ants. *Solar Energy Materials and Solar Cells*, **2020**, 210, 110512	6.4	21
170	Highly selective Sn2O3-based sensors for NO detection. *Materials Letters*, **2012**, 84, 94-96	3.3	21
169	Interface termination and band alignment of epitaxially grown alumina films on CuAl alloy. *Journal of Applied Physics*, **2008**, 103, 033707	2.5	21
168	Realization of Foldable Polymer Solar Cells Using Ultrathin Cellophane Substrates and ZnO/Ag/ZnO Transparent Electrodes. *Solar Rrl*, **2018**, 2, 1800123	7.1	21
167	Direct fabrication of C12A7 electride target and room temperature deposition of thin films with low work function. *Materials Research Express*, **2017**, 4, 036408	1.7	20
166	Effects of ZnAl2O4 segregation in high temperature sintered Al-doped ZnO sputtering target on optical and electrical properties of deposited thin films. *Surface and Coatings Technology*, **2013**, 221, 201-206	4.4	20
165	Growth of CZTS thin films by sulfurization of sputtered single-layered CuZnSn metallic precursors from an alloy target. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 4958-4963	2.1	20
164	Silver ants-inspired flexible photonic architectures with improved transparency and heat radiation for photovoltaic devices. *Solar Energy Materials and Solar Cells*, **2019**, 203, 110135	6.4	18
163	Magnetic Strontium Hydroxyapatite Microspheres for the Efficient Removal of Pb(II) from Acidic Solutions. *Journal of Chemical & Engineering Data*, **2014**, 59, 3873-3881	2.8	18
162	Synthesis of SnO2 hollow microspheres with core-shell structures through a facile template-free hydrothermal method. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 171, 20-24	3.1	18
161	Ultraflexible Transparent Bio-Based Polymer Conductive Films Based on Ag Nanowires. *Small*, **2019**, 15, e1805094	11	17
160	Record-High Transparent Electromagnetic Interference Shielding Achieved by Simultaneous Microwave Fabry-Pot Interference and Optical Antireflection. *ACS Applied Materials & Interfaces*, **2020**, 12, 26659-26669	9.5	17
159	Robust ultrathin and transparent AZO/Ag-SnO /AZO on polyimide substrate for flexible thin film heater with temperature over 400 °C. *Journal of Materials Science and Technology*, **2020**, 48, 156-162	9.1	17
158	Sulfonyl-based non-fullerene electron acceptor-assisted grain boundary passivation for efficient and stable perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 19881-19888	13	17
157	Rapid concentration of protein solution by a crossflow electro-ultrafiltration process. *Separation and Purification Technology*, **2010**, 73, 310-318	8.3	17
156	Epitaxial growth of well-ordered ultra-thin Al2O3 film on NiAl (110) by a single-step oxidation. *Applied Surface Science*, **2005**, 239, 451-457	6.7	17
155	Trace-level ammonia detection at room temperature based on porous flexible polyaniline/polyvinylidene fluoride sensing film with carbon nanotube additives. *Sensors and Actuators B: Chemical*, **2020**, 316, 128198	8.5	16

154	Zn-aided defect control for ultrathin GZO films with high carrier concentration aiming at alternative plasmonic metamaterials. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 1713-1718	1.6	16
153	Investigation on antireflection coatings for Al:ZnO in silicon thin-film solar cells. *Optik*, **2013**, 124, 3392-3395	2.5	16
152	X-ray photoelectron spectroscopy and low-energy electron diffraction study on the oxidation of NiAl(110) surfaces at elevated temperatures. *Thin Solid Films*, **2004**, 464-465, 52-56	2.2	16
151	Separation of protein mixtures by an integrated electro-ultrafiltration□electrodialysis process. *Separation and Purification Technology*, **2015**, 147, 32-43	8.3	15
150	Realization of a flexible and mechanically robust Ag mesh transparent electrode and its application in a PDLC device. *RSC Advances*, **2016**, 6, 13531-13536	3.7	15
149	Effects of substrate temperatures on the thermal stability of Al-doped ZnO thin films grown by DC magnetron sputtering. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 356-360	2.1	15
148	Facile Synthesis of □SrHPO4 with Wide Applications in the Effective Removal of Pb2+ and Methyl Blue. *Journal of Chemical & Engineering Data*, **2017**, 62, 3501-3511	2.8	15
147	Effects of substrate temperature on structural and electrical properties of SiO2-matrix boron-doped silicon nanocrystal thin films. *Applied Surface Science*, **2013**, 270, 428-431	6.7	15
146	Hollow silica nanosphere/polyimide composite films for enhanced transparency and atomic oxygen resistance. *Materials Chemistry and Physics*, **2019**, 222, 384-390	4.4	15
145	Directing membrane chromatography to manufacture □-antitrypsin from human plasma fraction IV. *Journal of Chromatography A*, **2015**, 1423, 63-70	4.5	14
144	Room-temperature sintering of conductive Ag films on paper. *Materials Letters*, **2014**, 123, 124-127	3.3	14
143	The Solubility and Temperature Dependence of Resistivity for Aluminum-Doped Zinc Oxide Ceramic. *International Journal of Applied Ceramic Technology*, **2012**, 9, 374-381	2	14
142	Effect of deposition condition and UV-ozone post-treatment on work function of DC magnetron sputtered AZO thin films. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 267-272	2.1	14
141	Effects of rapid thermal annealing in different ambients on structural, electrical, and optical properties of ZnO thin films by sol-gel method. *Journal of Electroceramics*, **2011**, 26, 84-89	1.5	14
140	Well-ordered ultra-thin Al2O3 film formation on NiAl(1 1 0) by high-temperature oxidation. *Surface Science*, **2004**, 564, 211-217	1.8	14
139	Study of lithium fluoride/tris(8-hydroxyquinolino)-aluminum interfacial chemistry using XPS and ToF-SIMS. *Applied Surface Science*, **2004**, 228, 373-377	6.7	14
138	Oxygen Adsorption and Oxide Formation on Cu-9%Al(111) Surface Studied Using Low Energy Electron Diffraction and X-ray Photoelectron Spectroscopy. *Japanese Journal of Applied Physics*, **2003**, 42, 4716-4720	1.4	14
137	Porous flexible polyaniline/polyvinylidene fluoride composite film for trace-level NH3 detection at room temperature. *Materials Letters*, **2020**, 271, 127798	3.3	14

136	Non-tapered metamaterial emitters for radiative cooling to low temperature limit. *Optics Communications*, **2019**, 450, 246-251	2	13
135	Chinese Knot Inspired Ag Nanowire Membrane for Robust Separation in Water Remediation. *Advanced Materials Interfaces*, **2018**, 5, 1800183	4.6	13
134	SnO mesocrystals: additive-free synthesis, oxidation, and top-down fabrication of quantum dots. *CrystEngComm*, **2012**, 14, 4575	3.3	13
133	Characterization of Aluminum-Doped Zinc Oxide Nanoparticle Suspensions in Ethylene Glycol for Transparent Conducting Coatings. *Journal of the American Ceramic Society*, **2011**, 94, 725-728	3.8	13
132	The interface structure and band alignment at alumina/Cu(Al) alloy interfaces□nfluence of the crystallinity of alumina films. *Applied Surface Science*, **2010**, 256, 3051-3057	6.7	13
131	Morphology and Thickness of Ultra-Thin Epitaxial Al2O3Film on Cu-9%Al(111). *Japanese Journal of Applied Physics*, **2003**, 42, 4721-4724	1.4	13
130	Humidity-Assisted Chlorination with Solid Protection Strategy for Efficient Air-Fabricated Inverted CsPbI3 Perovskite Solar Cells. *ACS Energy Letters*,3661-3668	20.1	13
129	Electrically conductive silver nanowires-filled methylcellulose composite transparent films with high mechanical properties. *Materials Letters*, **2015**, 152, 173-176	3.3	12
128	Simultaneous achievement of high visible transmission and near-infrared heat shielding in flexible liquid crystal-based smart windows via electrode design. *Solar Energy*, **2019**, 188, 857-864	6.8	12
127	Room temperature DC magnetron sputtering deposition of hydrogenated aluminum doped zinc oxide thin films on polyethylene terephthalate substrates. *Materials Letters*, **2013**, 106, 363-365	3.3	12
126	Synthesis of □-type Strontium Hydrogen Phosphate Nanosheets and Its Immobilization of Pb2+ in Acidic Aqueous Solution. *Acta Metallurgica Sinica (English Letters)*, **2015**, 28, 438-443	2.5	12
125	Solution route to SnO2 crystals with controllable morphology. *Applied Surface Science*, **2012**, 258, 1958-1963	6.7	12
124	PSS-PANI/PVDF composite based flexible NH3 sensors with sub-ppm detection at room temperature. *Sensors and Actuators B: Chemical*, **2021**, 328, 129085	8.5	12
123	Facile Preparation of a ZnO/SnO2-Based Gas Sensor Array by Inkjet Printing for Gas Analysis with BPNN. *Journal of Electronic Materials*, **2019**, 48, 2373-2381	1.9	11
122	Reversal of the photoinduced majority carriers in polypyrrole by semiconductor-insulator-semiconductor heterostructure and related highly-efficient photoreduction of Cr(VI). *Chemical Engineering Journal*, **2020**, 393, 124720	14.7	11
121	Effects of pH on the microstructures and optical properties of Sn3O4 crystals prepared by hydrothermal method. *Ceramics International*, **2014**, 40, 11381-11385	5.1	11
120	Two-Step Sintering of Pristine and Aluminum-Doped Zinc Oxide Ceramics. *International Journal of Applied Ceramic Technology*, **2012**, 9, 960-967	2	11
119	Effects of post-annealing temperature on structural, optical, and electrical properties of MgxZn1□O films by RF magnetron sputtering. *Journal of Crystal Growth*, **2011**, 314, 136-140	1.6	11

118	A work function study of ultrathin alumina formation on Cu-9%Al(111) surface. *Surface and Interface Analysis*, **2006**, 38, 793-796	1.5	11
117	Solution-processed multifunctional transparent conductive films based on long silver nanowires/polyimide structure with highly thermostable and antibacterial properties. *RSC Advances* , **2017**, 7, 28670-28676	3.7	11
116	Semitransparent perovskite solar cells with ultrathin silver electrodes for tandem solar cells. *Solar Energy*, **2020**, 206, 294-300	6.8	10
115	Tailoring the resonance wavelength and loss of highly Ga doped ZnO plasmonic materials by varied doping content and substrate temperature. *Thin Solid Films*, **2016**, 605, 95-101	2.2	10
114	Silver Nanowire-Based Flexible Transparent Composite Film for Curvature Measurements. *ACS Applied Nano Materials*, **2018**, 1, 3859-3866	5.6	10
113	Effects of post-rapid thermal annealing on structural, electrical and optical properties of hydrogenated aluminum doped zinc oxide thin films. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 3844-3849	2.1	10
112	Selective synthesis of SnO2 hollow microspheres and nano-sheets via a hydrothermal route. *Science Bulletin*, **2010**, 55, 581-587		10
111	Surface study and thickness control of thin Al2O3 film on Cu□%Al(111) single crystal. *Applied Surface Science*, **2004**, 237, 363-368	6.7	10
110	An enhanced flexible room temperature ammonia gas sensor based on GP-PANI/PVDF multi-hierarchical nanocomposite film. *Sensors and Actuators B: Chemical*, **2021**, 334, 129630	8.5	10
109	Synthesis of SrHPO 4 /Fe 3 O 4 magnetic nanocomposite and its application on Pb 2+ removal from aqueous solutions. *Microchemical Journal*, **2018**, 142, 152-158	4.8	10
108	The photo-catalytic activities of MP (M=Ba, Ca, Cu, Sr, Ag; P=PO43□HPO42□)microparticles. *Applied Surface Science*, **2014**, 292, 570-575	6.7	9
107	Thermodynamics of the formation of face-centered-cubic silicon nanocrystals in silicon-rich SiC thin films annealed using rapid thermal annealing. *Applied Surface Science*, **2013**, 265, 286-290	6.7	9
106	Amino-functionalized sub-40 nm ultrathin Ag/ZnO transparent electrodes for flexible polymer dispersed liquid crystal devices. *Journal of Applied Physics*, **2017**, 122, 195302	2.5	9
105	AgNW/Chinese Xuan paper film heaters for electro-thermochromic paper display. *Materials Research Express*, **2017**, 4, 116405	1.7	9
104	Nearly full-dense and fine-grained AZO:Y ceramics sintered from the corresponding nanoparticles. *Nanoscale Research Letters*, **2012**, 7, 481	5	9
103	Preparation and characterization of phosphorus-doped silicon nanocrystals in SiC films. *Materials Science in Semiconductor Processing*, **2013**, 16, 598-604	4.3	9
102	Effects of surface cleaning on oxidation of NiAl(110). *Applied Surface Science*, **2005**, 241, 164-168	6.7	9
101	Strain Sensitivity of Electric-Magnetic Coupling in Flexible Terahertz Metamaterials. *Plasmonics*, **2015**, 10, 1331-1335	2.4	8

100	In situ micro-Raman spectroscopic study of laser-induced crystallization of amorphous silicon thin films on aluminum-doped zinc oxide substrate. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 1300-1305	2.1	8
99	Vapor textured aluminum-doped zinc oxide on cellophane paper for flexible thin film solar cells. *Solar Energy Materials and Solar Cells*, **2018**, 188, 105-111	6.4	8
98	The comparison: photoluminescence and afterglow behavior in CaSnO3:Dy3+ and Ca2SnO4:Dy3+ phosphors. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 11624-11630	2.1	7
97	In Situ Controllable Growth of Cu2SnS3 Film as Low-Cost Counter Electrodes for Dye-Sensitized Solar Cells. *Acta Metallurgica Sinica (English Letters)*, **2015**, 28, 580-583	2.5	7
96	Flexible room temperature ammonia gas sensor based on in suit polymerized PANI/PVDF porous composite film. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 11870-11877	2.1	7
95	Comparative study on Pb 2+ removal using hydrothermal synthesized SrHPO 4 , Sr 3 (PO 4) 2 , and Sr 5 (PO 4) 3 (OH) powders. *Powder Technology*, **2018**, 329, 420-425	5.2	7
94	Crystallization of as-deposited amorphous silicon films on glass prepared by magnetron sputtering with different substrate biases and temperatures. *Journal of Crystal Growth*, **2011**, 321, 50-54	1.6	7
93	Study of the electromigration behaviour of Au-Ag thin films deposited on SiO2 substrate using AES, XPS and AFM techniques. *Surface and Interface Analysis*, **1999**, 28, 258-263	1.5	7
92	Universal strategy for all-weather and all-terrain radiative cooling with non-reciprocal mid-infrared windows. *Solar Energy*, **2020**, 207, 471-478	6.8	7
91	Self-Doping a Hole-Transporting Layer Based on a Conjugated Polyelectrolyte Enables Efficient and Stable Inverted Perovskite Solar Cells. *ACS Applied Energy Materials*, **2020**, 3, 11724-11731	6.1	7
90	Dielectric/ultrathin metal/dielectric structured transparent conducting films for flexible electronics. *Science Bulletin*, **2020**, 65, 1324-1326	10.6	6
89	Argon ion beam assisted magnetron sputtering deposition of boron-doped a-Si:H thin films with improved conductivity. *Journal of Non-Crystalline Solids*, **2013**, 378, 177-180	3.9	6
88	Tailoring the refractive index of aluminum doped zinc oxide thin films by co-doping with titanium. *Applied Surface Science*, **2012**, 263, 210-214	6.7	6
87	Reduction of residual stress in SiO2-matrix silicon nano-crystal thin films by a combination of rapid thermal annealing and tube-furnace annealing. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 528-532	1.6	6
86	Grown-in precipitates in heavily phosphorus-doped Czochralski silicon. *Journal of Applied Physics*, **2012**, 111, 033520	2.5	6
85	Band bending and band alignment at HfO2/HfSixOy/Si interfaces. *Applied Surface Science*, **2007**, 253, 3508-3511	6.7	6
84	Naphthalene diimide based polymer as electron transport layer in inverted perovskite solar cells. *Organic Electronics*, **2020**, 87, 105959	3.5	6
83	Improving the stability of silver nanowire/polyimide composite films for transparent film heaters. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2089-2095	2.1	6

82	Understanding degradation mechanisms of perovskite solar cells due to electrochemical metallization effect. *Solar Energy Materials and Solar Cells*, **2021**, 230, 111278	6.4	6
81	Barium acetate as an additive for high performance perovskite solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 11411-11418	7.1	5
80	An Oxide-Dispersed Preparation Strategy for Silver Ultrathin Films with Low Percolation Threshold Thickness, Subnanometer Smoothness, and Prominent Durability. *Advanced Materials Interfaces*, **2019**, 6, 1900608	4.6	5
79	Synthesis mechanism of nanoporous Sn3O4 nanosheets by hydrothermal process without any additives. *Chinese Physics B*, **2015**, 24, 066202	1.2	5
78	Simultaneous realization of light distribution and trapping in micromorph tandem solar cells using novel double-layered antireflection coatings. *Solar Energy Materials and Solar Cells*, **2015**, 143, 546-552	6.4	5
77	Preliminary studies of effects of surface morphology and chemistry of silica-based antireflection coatings on anti-soiling performance under Ningbo climate. *Solar Energy*, **2020**, 205, 302-309	6.8	5
76	Room temperature sputtering deposition of high-haze Ga-doped ZnO transparent conductive thin films on self-textured bio-based poly(ethylene 2, 5-furandicarboxylate) substrates. *Ceramics International*, **2018**, 44, 369-373	5.1	5
75	Photo-catalytic properties of doped or substituted polyaniline-coated Fe3O4 nanoparticles. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	5
74	Silicon–hydrogen bond effects on aluminum-induced crystallization of hydrogenated amorphous silicon films. *Journal of Crystal Growth*, **2014**, 402, 99-103	1.6	5
73	Ultra-thin (002)-oriented Al-doped zinc oxide transparent electrode grown on oxygen-controlled homo-seed layer. *Physica Status Solidi - Rapid Research Letters*, **2014**, 8, 172-175	2.5	5
72	Fabrication of transmission phase gratings on porous anodic alumina. *Optics Letters*, **2010**, 35, 727-9	3	5
71	X-ray photoelectron spectroscopic analysis of growth and thermal stability of palladium ultra thin films on alumina/NiAl(110). *Surface and Interface Analysis*, **2004**, 36, 1136-1139	1.5	5
70	Highly Efficient Nonfullerene Acceptor with Sulfonyl-Based Ending Groups. *ACS Applied Materials & Interfaces*, **2020**, 12, 49659-49665	9.5	5
69	Towards superior nickel oxide electrochromic films using Si and Li co-doping and rapid thermal annealing. *Journal of Alloys and Compounds*, **2021**, 862, 158665	5.7	5
68	A cracked polymer templated Ag network for flexible transparent electrodes and heaters. *Materials Research Express*, **2018**, 5, 066427	1.7	5
67	Efficient organic solar cells with superior stability based on PM6:BTP-eC9 blend and AZO/Al cathode. *IScience*, **2021**, 24, 103027	6.1	5
66	High-performance Sb:SnO2 Compact Thin Film Based on Surfactant-free and Binder-free Sb:Sn3O4 Suspension. *Journal of Materials Science and Technology*, **2015**, 31, 815-821	9.1	4
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