

Weijie Song

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	UV-cured organic/inorganic composites for highly durable and flexible antireflection coatings. <i>Applied Surface Science</i> , 2022 , 584, 152600	6.7	0
224	Heating-insulating and semitransparent inorganic perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 240, 111683	6.4	2
223	Highly Foldable Perovskite Solar Cells Using Embedded Polyimide/Silver Nanowires Conductive Substrates. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101669	4.6	3
222	In Situ Stabilized CsPbI ₃ for Air-Fabricated Inverted Inorganic Perovskite Photovoltaics with Wide Humidity Operating Window. <i>Advanced Functional Materials</i> , 2022 , 32, 2111116	15.6	4
221	Improvement on cyclic stability for flexible tungsten oxide electrochromic film by covering an 18 nm zinc-tin-oxide buffer layer. <i>Journal of Alloys and Compounds</i> , 2021 , 162584	5.7	0
220	Toward Durably Flexible Nickel Oxide Electrochromic Film by Covering an 18 nm Zinc Tin Oxide Buffer Layer. <i>ACS Applied Energy Materials</i> , 2021 , 4, 12935-12942	6.1	1
219	Improved Operational Stability of Perovskite Solar Cells via Au Barrier Layer Incorporation. <i>ACS Applied Energy Materials</i> , 2021 , 4, 11062-11068	6.1	1
218	Boosting transparent electromagnetic interference shielding by multi-cavity resonances. <i>Optics Letters</i> , 2021 , 46, 1648-1651	3	0
217	Realization of Highly Foldable Conductive Substrates with 2000 Cyclic Mechanical Stability through Silver Nanowires/Cellulose Structure Design. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2372-2379	4	3
216	An enhanced flexible room temperature ammonia gas sensor based on GP-PANI/PVDF multi-hierarchical nanocomposite film. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129630	8.5	10
215	Towards superior nickel oxide electrochromic films using Si and Li co-doping and rapid thermal annealing. <i>Journal of Alloys and Compounds</i> , 2021 , 862, 158665	5.7	5
214	Crystallization Control and Defect Passivation via a Cross-Linking Additive for High-Performance FAPbBr ₃ Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12551-12559	3.8	3
213	Highly conductive C12A7:e ⁻ electride nanoparticles as an electron donor type promoter to P25 for enhancing photocatalytic hydrogen evolution. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 149, 109838	3.9	3
212	PSS-PANI/PVDF composite based flexible NH ₃ sensors with sub-ppm detection at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129085	8.5	12
211	Solution-Processed Transparent Conducting Electrodes for Flexible Organic Solar Cells with 16.61% Efficiency. <i>Nano-Micro Letters</i> , 2021 , 13, 44	19.5	27
210	Efficient organic solar cells with superior stability based on PM6:BTP-eC9 blend and AZO/Al cathode. <i>IScience</i> , 2021 , 24, 103027	6.1	5
209	Understanding degradation mechanisms of perovskite solar cells due to electrochemical metallization effect. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 230, 111278	6.4	6

208	Low-voltage driven Ag-Co ₃ O ₄ textile device for multifunctional air cleaning. <i>Chemical Engineering Journal</i> , 2021 , 424, 130320	14.7	3
207	Efficient PTB7-Th:Y6:PC71BM ternary organic solar cell with superior stability processed by chloroform. <i>Organic Electronics</i> , 2021 , 99, 106308	3.5	3
206	Facile synthesis of ultralong hydroxyapatite nanowires using wormlike micelles as soft templates. <i>CrystEngComm</i> , 2021 , 23, 5498-5503	3.3	2
205	Foldable solar cells: Structure design and flexible materials. <i>Nano Select</i> , 2021 , 2, 865-879	3.1	1
204	Chemical anti-corrosion strategy for stable inverted perovskite solar cells. <i>Science Advances</i> , 2020 , 6,	14.3	35
203	Record-High Transparent Electromagnetic Interference Shielding Achieved by Simultaneous Microwave Fabry-Pérot Interference and Optical Antireflection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26659-26669	9.5	17
202	Semitransparent perovskite solar cells with ultrathin silver electrodes for tandem solar cells. <i>Solar Energy</i> , 2020 , 206, 294-300	6.8	10
201	Flexible room temperature ammonia gas sensor based on in situ polymerized PANI/PVDF porous composite film. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11870-11877	2.1	7
200	Preliminary studies of effects of surface morphology and chemistry of silica-based antireflection coatings on anti-soiling performance under Ningbo climate. <i>Solar Energy</i> , 2020 , 205, 302-309	6.8	5
199	Dielectric/ultrathin metal/dielectric structured transparent conducting films for flexible electronics. <i>Science Bulletin</i> , 2020 , 65, 1324-1326	10.6	6
198	Achieving over 21% efficiency in inverted perovskite solar cells by fluorinating a dopant-free hole transporting material. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6517-6523	13	39
197	Reversal of the photoinduced majority carriers in polypyrrole by semiconductor-insulator-semiconductor heterostructure and related highly-efficient photoreduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2020 , 393, 124720	14.7	11
196	Direct Regulation of O/W Stoichiometric Ratio and Microstructure in Tungsten Oxide Electrochromic Films by Ar Pressure Using Oxide Target Sputtering. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 1900999	1.6	2
195	Highly flexible and transparent film heaters based on colorless polyimide substrate with a GZO/AgNW/GZO sandwich structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 4743-4751 ³	2.1	3
194	Kirigami-Based Highly Stretchable Thin Film Solar Cells That Are Mechanically Stable for More than 1000 Cycles. <i>ACS Nano</i> , 2020 , 14, 1560-1568	16.7	22
193	Robust ultrathin and transparent AZO/Ag-SnO ₂ /AZO on polyimide substrate for flexible thin film heater with temperature over 400 °C. <i>Journal of Materials Science and Technology</i> , 2020 , 48, 156-162	9.1	17
192	Fabrication of mesoporous double-layer antireflection coatings with near-neutral color and application in crystalline silicon solar modules. <i>Solar Energy</i> , 2020 , 201, 149-156	6.8	3
191	Trace-level ammonia detection at room temperature based on porous flexible polyaniline/polyvinylidene fluoride sensing film with carbon nanotube additives. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128198	8.5	16

190	Flexible passive radiative cooling inspired by Saharan silver ants. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 210, 110512	6.4	21
189	Preparation and X-ray photoelectron spectroscopic characterization of Sn-doped C12A7:e ⁻ electride nanoparticles. <i>Applied Surface Science</i> , 2020 , 508, 145244	6.7	4
188	Tailoring In Situ Healing and Stabilizing Post-Treatment Agent for High-Performance Inverted CsPbI3 Perovskite Solar Cells with Efficiency of 16.67%. <i>ACS Energy Letters</i> , 2020 , 5, 3314-3321	20.1	30
187	Universal strategy for all-weather and all-terrain radiative cooling with non-reciprocal mid-infrared windows. <i>Solar Energy</i> , 2020 , 207, 471-478	6.8	7
186	Self-Doping a Hole-Transporting Layer Based on a Conjugated Polyelectrolyte Enables Efficient and Stable Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11724-11731	6.1	7
185	Highly Efficient Nonfullerene Acceptor with Sulfonyl-Based Ending Groups. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49659-49665	9.5	5
184	Naphthalene diimide based polymer as electron transport layer in inverted perovskite solar cells. <i>Organic Electronics</i> , 2020 , 87, 105959	3.5	6
183	Effective Surface Treatment for High-Performance Inverted CsPbI ₃ Perovskite Solar Cells with Efficiency of 15.92%. <i>Nano-Micro Letters</i> , 2020 , 12, 170	19.5	24
182	Porous flexible polyaniline/polyvinylidene fluoride composite film for trace-level NH ₃ detection at room temperature. <i>Materials Letters</i> , 2020 , 271, 127798	3.3	14
181	Highly Foldable and Efficient Paper-Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1800317	7.1	29
180	A highly stretchable and transparent silver nanowire/thermoplastic polyurethane film strain sensor for human motion monitoring. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3119-3124	6.8	34
179	Barium acetate as an additive for high performance perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 11411-11418	7.1	5
178	An Oxide-Dispersed Preparation Strategy for Silver Ultrathin Films with Low Percolation Threshold Thickness, Subnanometer Smoothness, and Prominent Durability. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900608	4.6	5
177	Ultraflexible and biodegradable perovskite solar cells utilizing ultrathin cellophane paper substrates and TiO ₂ /Ag/TiO ₂ transparent electrodes. <i>Solar Energy</i> , 2019 , 188, 158-163	6.8	25
176	Non-tapered metamaterial emitters for radiative cooling to low temperature limit. <i>Optics Communications</i> , 2019 , 450, 246-251	2	13
175	Ultraflexible Transparent Bio-Based Polymer Conductive Films Based on Ag Nanowires. <i>Small</i> , 2019 , 15, e1805094	11	17
174	Facile Preparation of a ZnO/SnO ₂ -Based Gas Sensor Array by Inkjet Printing for Gas Analysis with BPNN. <i>Journal of Electronic Materials</i> , 2019 , 48, 2373-2381	1.9	11
173	Suppressing the ions-induced degradation for operationally stable perovskite solar cells. <i>Nano Energy</i> , 2019 , 64, 103962	17.1	36

172	Enhanced flexible room temperature ammonia sensor based on PEDOT: PSS thin film with FeCl ₃ additives prepared by inkjet printing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126890	8.5	39
171	Simultaneous achievement of high visible transmission and near-infrared heat shielding in flexible liquid crystal-based smart windows via electrode design. <i>Solar Energy</i> , 2019 , 188, 857-864	6.8	12
170	Improving the optical transparency of film heaters based on silver nanowire/polyimide composite films. <i>Materials Research Express</i> , 2019 , 6, 095069	1.7	4
169	Sulfonyl-based non-fullerene electron acceptor-assisted grain boundary passivation for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19881-19888	13	17
168	Inverted All-Inorganic CsPbI ₂ Br Perovskite Solar Cells with Promoted Efficiency and Stability by Nickel Incorporation. <i>Chemistry of Materials</i> , 2019 , 31, 9032-9039	9.6	54
167	Silver ants-inspired flexible photonic architectures with improved transparency and heat radiation for photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 203, 110135	6.4	18
166	Preparation of humidity, abrasion, and dust resistant antireflection coatings for photovoltaic modules via dual precursor modification and hybridization of hollow silica nanospheres. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 192, 188-196	6.4	25
165	Improving the stability of silver nanowire/polyimide composite films for transparent film heaters. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2089-2095	2.1	6
164	Hollow silica nanosphere/polyimide composite films for enhanced transparency and atomic oxygen resistance. <i>Materials Chemistry and Physics</i> , 2019 , 222, 384-390	4.4	15
163	Comparative study on Pb ²⁺ removal using hydrothermal synthesized BaHPO ₄ , Sr ₃ (PO ₄) ₂ , and Sr ₅ (PO ₄) ₃ (OH) powders. <i>Powder Technology</i> , 2018 , 329, 420-425	5.2	7
162	Chinese Knot Inspired Ag Nanowire Membrane for Robust Separation in Water Remediation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800183	4.6	13
161	Universal Low-Temperature Process for Preparation of Multifunctional High-Performance Antireflective Mesoporous Silica Coatings on Transparent Polymeric Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4993-4999	9.5	22
160	Preparation and cold welding of silver nanowire based transparent electrodes with optical transmittances >90% and sheet resistances. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 208-218	9.3	36
159	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. <i>Ceramics International</i> , 2018 , 44, 369-373	5.1	5
158	Silver Nanowire-Based Flexible Transparent Composite Film for Curvature Measurements. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3859-3866	5.6	10
157	Silver Nanowire Membrane: Chinese Knot Inspired Ag Nanowire Membrane for Robust Separation in Water Remediation (Adv. Mater. Interfaces 11/2018). <i>Advanced Materials Interfaces</i> , 2018 , 5, 1870053	4.6	
156	Silver Nanowires as Shielding Materials 2018 , 289-304		2
155	Room-temperature RF magnetron sputtering deposition of hydrogenated Ga-doped ZnO thin films on PET substrates for PDLC devices. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	3

154	Realization of Foldable Polymer Solar Cells Using Ultrathin Cellophane Substrates and ZnO/Ag/ZnO Transparent Electrodes (Solar RRL 102018). <i>Solar Rrl</i> , 2018 , 2, 1870218	7.1	2
153	Vapor textured aluminum-doped zinc oxide on cellophane paper for flexible thin film solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 188, 105-111	6.4	8
152	Seed-layer-free growth of ultra-thin Ag transparent conductive films imparts flexibility to polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 184, 73-81	6.4	28
151	Realization of Foldable Polymer Solar Cells Using Ultrathin Cellophane Substrates and ZnO/Ag/ZnO Transparent Electrodes. <i>Solar Rrl</i> , 2018 , 2, 1800123	7.1	21
150	A cracked polymer templated Ag network for flexible transparent electrodes and heaters. <i>Materials Research Express</i> , 2018 , 5, 066427	1.7	5
149	Synthesis of SrHPO ₄ /Fe ₃ O ₄ magnetic nanocomposite and its application on Pb ²⁺ removal from aqueous solutions. <i>Microchemical Journal</i> , 2018 , 142, 152-158	4.8	10
148	Physical properties of Al-doped ZnO and Ga-doped ZnO thin films prepared by direct current sputtering at room temperature. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 85-88	1	1
147	The comparison: photoluminescence and afterglow behavior in CaSnO ₃ :Dy ³⁺ and Ca ₂ SnO ₄ :Dy ³⁺ phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11624-11630	2.1	7
146	Preparation of pompon-like ZnO-PANI heterostructure and its applications for the treatment of typical water pollutants under visible light. <i>Journal of Hazardous Materials</i> , 2017 , 338, 276-286	12.8	48
145	Low indium content In ₂ SnO ₄ system towards transparent conductive films: structure, properties and comparison with AZO and GZO. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 13297-13302 ¹		
144	Highly moisture and weak-acid resistant Ga-doped ZnO films with titanium dioxide co-doping fabricated by magnetron sputtering. <i>Thin Solid Films</i> , 2017 , 634, 155-159	2.2	3
143	Direct fabrication of C12A7 electride target and room temperature deposition of thin films with low work function. <i>Materials Research Express</i> , 2017 , 4, 036408	1.7	20
142	A study of superstrate amorphous silicon thin film solar cells and modules on flexible BZO glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1600698	1.6	1
141	Improved short-circuit current density of a-Si:H thin film solar cells with n-type silicon carbide layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 3955-3961	2.1	
140	Facile Synthesis of SrHPO ₄ with Wide Applications in the Effective Removal of Pb ²⁺ and Methyl Blue. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3501-3511	2.8	15
139	A Universal Route to Realize Radiative Cooling and Light Management in Photovoltaic Modules. <i>Solar Rrl</i> , 2017 , 1, 1700084	7.1	49
138	Amino-functionalized sub-40 nm ultrathin Ag/ZnO transparent electrodes for flexible polymer dispersed liquid crystal devices. <i>Journal of Applied Physics</i> , 2017 , 122, 195302	2.5	9
137	AgNW/Chinese Xuan paper film heaters for electro-thermochromic paper display. <i>Materials Research Express</i> , 2017 , 4, 116405	1.7	9

136	Anomalous dispersion engineering of co-sputtering Ag-AZO hybrids for antireflection coatings. <i>Optics Letters</i> , 2017 , 42, 2894-2897	3	1
135	Solution-processed multifunctional transparent conductive films based on long silver nanowires/polyimide structure with highly thermostable and antibacterial properties. <i>RSC Advances</i> , 2017 , 7, 28670-28676	3.7	11
134	SiO ₂ /bi-layer GZO/Ag structures for near-infrared broadband wide-angle perfect absorption. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 425106	3	4
133	Facile bottom-up growth of pyramidally textured ZnO:Al films by combined chemical bathing and DC sputtering deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10764-10769	2.1	
132	Tailoring the resonance wavelength and loss of highly Ga doped ZnO plasmonic materials by varied doping content and substrate temperature. <i>Thin Solid Films</i> , 2016 , 605, 95-101	2.2	10
131	Realization of a flexible and mechanically robust Ag mesh transparent electrode and its application in a PDLC device. <i>RSC Advances</i> , 2016 , 6, 13531-13536	3.7	15
130	Fabrication of Flexible Transparent Conductive Films with Silver Nanowire by Vacuum Filtration and PET Mold Transfer. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 158-161	9.1	24
129	Near-infrared subwavelength imaging using Al:ZnO-based near-field superlens. <i>Optical Materials Express</i> , 2016 , 6, 3892	2.6	4
128	Origin of strain-induced resonances in flexible terahertz metamaterials. <i>Chinese Physics B</i> , 2016 , 25, 057802	2	4
127	Low temperature synthesis of nano porous 12CaO \cdot Al ₂ O ₃ powder by hydrothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016 , 31, 1201-1205	1	23
126	In Situ Controllable Growth of Cu ₂ SnS ₃ Film as Low-Cost Counter Electrodes for Dye-Sensitized Solar Cells. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 580-583	2.5	7
125	Synthesis mechanism of nanoporous Sn ₃ O ₄ nanosheets by hydrothermal process without any additives. <i>Chinese Physics B</i> , 2015 , 24, 066202	1.2	5
124	Separation of Silver Nanocrystals for Surface-enhanced Raman Scattering Using Density Gradient Centrifugation. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 834-839	9.1	
123	Electrically conductive silver nanowires-filled methylcellulose composite transparent films with high mechanical properties. <i>Materials Letters</i> , 2015 , 152, 173-176	3.3	12
122	Separation of protein mixtures by an integrated electro-ultrafiltration-electrodialysis process. <i>Separation and Purification Technology</i> , 2015 , 147, 32-43	8.3	15
121	Facile preparation of micron- and nano-scale textured master for nano-imprinting front electrode in thin-film silicon tandem cells with improved light trapping. <i>Solar Energy</i> , 2015 , 115, 518-524	6.8	3
120	Strain Sensitivity of Electric-Magnetic Coupling in Flexible Terahertz Metamaterials. <i>Plasmonics</i> , 2015 , 10, 1331-1335	2.4	8
119	High-performance Sb:SnO ₂ Compact Thin Film Based on Surfactant-free and Binder-free Sb:Sn ₃ O ₄ Suspension. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 815-821	9.1	4

118	Effect of hydrogen-ion energy on structure of a-Si:H thin films prepared by ion-beam-assisted sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4888-4893	2.1	2
117	Monodisperse magnetic hydroxyapatite/Fe ₃ O ₄ microspheres for removal of lead(II) from aqueous solution. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 531-537	5.7	40
116	Synthesis mechanism of heterovalent Sn ₂ O ₃ nanosheets in oxidation annealing process. <i>Chinese Physics B</i> , 2015 , 24, 070505	1.2	2
115	Simultaneous realization of light distribution and trapping in micromorph tandem solar cells using novel double-layered antireflection coatings. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 143, 546-552	6.4	5
114	Directing membrane chromatography to manufacture α -antitrypsin from human plasma fraction IV. <i>Journal of Chromatography A</i> , 2015 , 1423, 63-70	4.5	14
113	Effective removal of methyl blue by fine-structured strontium and barium phosphate nanorods. <i>Applied Surface Science</i> , 2015 , 326, 195-203	6.7	23
112	Highly flexible and transparent film heaters based on polyimide films embedded with silver nanowires. <i>RSC Advances</i> , 2015 , 5, 45836-45842	3.7	83
111	Preparation of AZO nanoparticles, ceramic targets and thin films by a Co-precipitation method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015 , 30, 1134-1139	1	3
110	Zn-aided defect control for ultrathin GZO films with high carrier concentration aiming at alternative plasmonic metamaterials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 1713-1718	1.6	16
109	Synthesis of E-type Strontium Hydrogen Phosphate Nanosheets and Its Immobilization of Pb ²⁺ in Acidic Aqueous Solution. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 438-443	2.5	12
108	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. <i>Materials Letters</i> , 2015 , 145, 279-282	3.3	39
107	Highly thermostable, flexible, transparent, and conductive films on polyimide substrate with an AZO/AgNW/AZO structure. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4299-305	9.5	86
106	Low temperature magnetron sputtering deposition of hydrogenated microcrystalline silicon thin films without amorphous incubation layers on glass. <i>Journal of Non-Crystalline Solids</i> , 2014 , 388, 86-90	3.9	2
105	Influence of semiconductor/insulator/semiconductor structure on the photo-catalytic activity of Fe ₃ O ₄ /SiO ₂ /polythiophene core/shell submicron composite. <i>Applied Catalysis B: Environmental</i> , 2014 , 150-151, 472-478	21.8	35
104	Room-temperature sintering of conductive Ag films on paper. <i>Materials Letters</i> , 2014 , 123, 124-127	3.3	14
103	Preparation of solid silver nanoparticles for inkjet printed flexible electronics with high conductivity. <i>Nanoscale</i> , 2014 , 6, 1622-8	7.7	194
102	Insight into the effects of surface oxidation and carbonization on the electronic properties of silicon quantum dots and silicon slabs: a density functional study. <i>RSC Advances</i> , 2014 , 4, 60948-60952	3.7	2
101	Magnetic Strontium Hydroxyapatite Microspheres for the Efficient Removal of Pb(II) from Acidic Solutions. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 3873-3881	2.8	18

100	Flexible transparent conductive films on PET substrates with an AZO/AgNW/AZO sandwich structure. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3750-3755	7.1	45
99	Photo-catalytic properties of doped or substituted polyaniline-coated Fe ₃ O ₄ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5
98	Sol-gel derived near-UV and visible antireflection coatings from hybridized hollow silica nanospheres. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 267-275	2.3	33
97	Multifunctional antireflection coatings based on novel hollow silica-silica nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1415-23	9.5	89
96	Effects of pH on the microstructures and optical properties of Sn ₃ O ₄ crystals prepared by hydrothermal method. <i>Ceramics International</i> , 2014 , 40, 11381-11385	5.1	11
95	The photo-catalytic activities of MP (M=Ba, Ca, Cu, Sr, Ag; P=PO ₄ ³⁻ □HPO ₄ ²⁻) microparticles. <i>Applied Surface Science</i> , 2014 , 292, 570-575	6.7	9
94	Synthesis of hierarchical Sn ₃ O ₄ microflowers self-assembled by nanosheets. <i>Materials Letters</i> , 2014 , 120, 140-142	3.3	23
93	Silicon-hydrogen bond effects on aluminum-induced crystallization of hydrogenated amorphous silicon films. <i>Journal of Crystal Growth</i> , 2014 , 402, 99-103	1.6	5
92	Properties of polyacrylic acid-coated silver nanoparticle ink for inkjet printing conductive tracks on paper with high conductivity. <i>Materials Chemistry and Physics</i> , 2014 , 147, 550-556	4.4	60
91	Effects of Rapid Thermal Annealing on Electrical Transport in Heavily Doped ZnO Thin Films Deposited at Different Substrate Temperatures. <i>Journal of Electronic Materials</i> , 2014 , 43, 3973-3978	1.9	2
90	Passivation and antireflection AZO:H layer in AZO:H/p-Si heterojunction solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 5356-5361	2.1	3
89	Ultra-thin (002)-oriented Al-doped zinc oxide transparent electrode grown on oxygen-controlled homo-seed layer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 172-175	2.5	5
88	Effects of annealing ambient on ferroelectric properties and surface chemistry of sol-gel derived Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 343-348	2.1	1
87	Effects of ZnAl ₂ O ₄ segregation in high temperature sintered Al-doped ZnO sputtering target on optical and electrical properties of deposited thin films. <i>Surface and Coatings Technology</i> , 2013 , 221, 201-206	4.4	20
86	Effects of post-rapid thermal annealing on structural, electrical and optical properties of hydrogenated aluminum doped zinc oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 3844-3849	2.1	10
85	Influence of rapid thermal annealing on the process of aluminum induced crystallization of amorphous Si. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 2379-2384	2.1	4
84	Electrical properties of boron- and phosphorous-doped microcrystalline silicon thin films prepared by magnetron sputtering of heavily doped silicon targets. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 2122-2127	2.1	4
83	Adsorption behavior and mechanism of methyl blue on zinc oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	57

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