

Wei-Fang Su

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.

236
papers

8,390
citations

47
h-index

81
g-index

261
ext. papers

8,988
ext. citations

6.4
avg, IF

6.07
L-index

#	Paper	IF	Citations
236	Solid-State Ligand-Capped Metal Oxide Electron-Transporting Layer for Efficient and Stable Fullerene-Free Perovskite Solar Cells. <i>Solar Rrl</i> , 2022 , 6, 2270024	7.1	
235	X-ray Tomography Study of 3D Hydrogel Structure. <i>Springer Proceedings in Physics</i> , 2022 , 1-7	0.2	
234	Featuring Semitransparent p ⁺ Perovskite Solar Cells for High-Efficiency Four-Terminal/Silicon Tandem Solar Cells. <i>Solar Rrl</i> , 2022 , 6, 2270042	7.1	1
233	Composition engineering to enhance the photovoltaic performance and to prolong the lifetime for silver bismuth iodide solar cell. <i>Chemical Engineering Journal Advances</i> , 2022 , 10, 100275	3.6	0
232	Solid-State Ligand-Capped Metal Oxide Electron-Transporting Layer for Efficient and Stable Fullerene-Free Perovskite Solar Cells. <i>Solar Rrl</i> , 2022 , 6, 2100671	7.1	
231	Effect of cellulose compositions and fabrication methods on mechanical properties of polyurethane-cellulose composites. <i>Carbohydrate Polymers</i> , 2022 , 291, 119549	10.3	2
230	Highly crystalline colloidal nickel oxide hole transport layer for low-temperature processable perovskite solar cell. <i>Chemical Engineering Journal</i> , 2021 , 412, 128746	14.7	4
229	Chloride gradient render carrier extraction of hole transport layer for high Voc and efficient inverted organometal halide perovskite solar cell. <i>Chemical Engineering Journal</i> , 2021 , 409, 128100	14.7	5
228	High-Performance Stable Perovskite Solar Cell via Defect Passivation With Constructing Tunable Graphitic Carbon Nitride. <i>Solar Rrl</i> , 2021 , 5, 2100257	7.1	3
227	High-Performance Stable Perovskite Solar Cell via Defect Passivation With Constructing Tunable Graphitic Carbon Nitride. <i>Solar Rrl</i> , 2021 , 5, 2170084	7.1	
226	Controlling the Morphology and Interface of the Perovskite Layer for Scalable High-Efficiency Solar Cells Fabricated Using Green Solvents and Blade Coating in an Ambient Environment. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26041-26049	9.5	27
225	Acetamidinium Cation to Confer Ion Immobilization and Structure Stabilization of Organometal Halide Perovskite Toward Long Life and High-Efficiency p-i-n Planar Solar Cell via Air-Processable Method. <i>Solar Rrl</i> , 2020 , 4, 2000197	7.1	5
224	Development of once-through manufacturing machine for large-area Perovskite solar cell production. <i>Solar Energy</i> , 2020 , 205, 192-201	6.8	3
223	Polymer Additives for Morphology Control in High-Performance Lead-Reduced Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2070063	7.1	2
222	Polymer Additives for Morphology Control in High-Performance Lead-Reduced Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000093	7.1	8
221	Validated Analysis of Component Distribution Inside Perovskite Solar Cells and Its Utility in Unveiling Factors of Device Performance and Degradation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22730-22740	9.5	11
220	Barium doping effect on the photovoltaic performance and stability of MA _{0.4} FA _{0.6} Ba _x Pb _{1-x} lyCl _{3-y} perovskite solar cells. <i>Applied Surface Science</i> , 2020 , 521, 146451	6.7	4

219	High-efficiency perovskite solar cell using cobalt doped nickel oxide hole transport layer fabricated by NIR process. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 208, 110352	6.4	31
218	Perovskite Solar Cells: Toward All Slot-Die Fabricated High Efficiency Large Area Perovskite Solar Cell Using Rapid Near Infrared Heating in Ambient Air (Adv. Energy Mater. 37/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070155	21.8	2
217	Toward All Slot-Die Fabricated High Efficiency Large Area Perovskite Solar Cell Using Rapid Near Infrared Heating in Ambient Air. <i>Advanced Energy Materials</i> , 2020 , 10, 2001567	21.8	26
216	Achieving High-Performance Perovskite Photovoltaic by Morphology Engineering of Low-Temperature Processed Zn-Doped TiO Electron Transport Layer. <i>Small</i> , 2020 , 16, e2002201	11	6
215	Acetamidinium Cation to Confer Ion Immobilization and Structure Stabilization of Organometal Halide Perovskite Toward Long Life and High-Efficiency p-i-n Planar Solar Cell via Air-Processable Method. <i>Solar Rrl</i> , 2020 , 4, 2070092	7.1	
214	Work-Function-Tunable Electron Transport Layer of Molecule-Capped Metal Oxide for a High-Efficiency and Stable p-i-n Perovskite Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45936-45949	9.5	14
213	Detecting Minute Chemical Vapors via Chemical Interactions between Analyte and Fluorinated Thiophene-isoindigo Conjugated Polymer Transistor. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1873-1880 ⁴		9
212	Enhancing Efficiency and Stability of Hot Casting p-n Perovskite Solar Cell via Dipolar Ion Passivation. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4821-4832	6.1	31
211	Low-Temperature Processed Tin Oxide Transistor With Ultraviolet Irradiation. <i>IEEE Electron Device Letters</i> , 2019 , 40, 909-912	4.4	9
210	High face-on ratio isoindigo copolymers with extended nano-fibrillar networks in fullerene-based thick (>300 nm) photovoltaics achieving a high efficiency of 10.7%. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21309-21320	13	16
209	Rapid template-free synthesis of nanostructured conducting polymer films by tuning their morphology using hyperbranched polymer additives. <i>Nanoscale</i> , 2019 , 11, 20977-20986	7.7	10
208	Oligo(ethylene glycol) side chain effect on the physical properties and molecular arrangement of oligothiophene-isoindigo based conjugated polymers. <i>Soft Matter</i> , 2019 , 15, 9468-9473	3.6	1
207	Peptide-Based Polyelectrolyte Promotes Directional and Long Neurite Outgrowth.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 518-526	4.1	8
206	Polybenzyl Glutamate Biocompatible Scaffold Promotes the Efficiency of Retinal Differentiation toward Retinal Ganglion Cell Lineage from Human-Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
205	Facile approach for rapid self-assembly of rod-coil block copolymers. <i>Polymer</i> , 2018 , 139, 20-25	3.9	5
204	High-efficiency bulk heterojunction perovskite solar cell fabricated by one-step solution process using single solvent: synthesis and characterization of material and film formation mechanism. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4179-4188	13	24
203	Remarkably High Hole Mobility Metal-Oxide Thin-Film Transistors. <i>Scientific Reports</i> , 2018 , 8, 889	4.9	29
202	Novel 3D Neuron Regeneration Scaffolds Based on Synthetic Polypeptide Containing Neuron Cue. <i>Macromolecular Bioscience</i> , 2018 , 18, 1700251	5.5	11

201	Using aligned poly(3-hexylthiophene)/poly(methyl methacrylate) blend fibers to detect volatile organic compounds. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FM06	1.4	3
200	Ag/SiO ₂ surface-enhanced Raman scattering substrate for plasticizer detection. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FM07	1.4	3
199	The effect of strontium and barium doping on perovskite-structured energy materials for photovoltaic applications. <i>Applied Surface Science</i> , 2018 , 429, 9-15	6.7	37
198	Enhancing the efficiency of perovskite solar cells using mesoscopic zinc-doped TiO ₂ as the electron extraction layer through band alignment. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16920-16931	13	46
197	Catalytic metal-induced crystallization of sol-gel metal oxides for high-efficiency flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16450-16457	13	12
196	Low temperature and rapid formation of high quality metal oxide thin film via a hydroxide-assisted energy conservation strategy. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9941-9949	7.1	12
195	Tuning the Morphology of Isoindigo Donor-Acceptor Polymer Film for High Sensitivity Ammonia Sensor. <i>Advanced Functional Materials</i> , 2018 , 28, 1803145	15.6	38
194	Enhancing Organolead Halide Perovskite Solar Cells Performance Through Interfacial Engineering Using Ag-doped TiO ₂ Hole Blocking Layer. <i>Solar Rrl</i> , 2018 , 2, 1800072	7.1	16
193	Highly Conductive 2D Metal-Organic Framework Thin Film Fabricated by Liquid-Liquid Interfacial Reaction Using One-Pot-Synthesized Benzenehexathiol. <i>Langmuir</i> , 2018 , 34, 15754-15762	4	33
192	Side Chain Effects on the Optoelectronic Properties and Self-Assembly Behaviors of Terthiophene- <i>h</i> thieno[3,4- <i>c</i>]pyrrole-4,6-dione Based Conjugated Polymers. <i>Macromolecules</i> , 2018 , 51, 7828-7835	5.5	8
191	Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO Nanofibers with Core-Shell Structure. <i>Scientific Reports</i> , 2017 , 7, 40896	4.9	34
190	Enhanced Efficiency of Hot-Cast Large-Area Planar Perovskite Solar Cells/Modules Having Controlled Chloride Incorporation. <i>Advanced Energy Materials</i> , 2017 , 7, 1601660	21.8	164
189	Precise Facet Engineering of Perovskite Single Crystals by Ligand-Mediated Strategy. <i>Crystal Growth and Design</i> , 2017 , 17, 5945-5952	3.5	31
188	Improved efficiency of perovskite photovoltaics based on Ca-doped methylammonium lead halide. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 80, 695-700	5.3	19
187	Enhancing perovskite solar cell performance and stability by doping barium in methylammonium lead halide. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18044-18052	13	74
186	Quantitative correlation of the effects of crystallinity and additives on nanomorphology and solar cell performance of isoindigo-based copolymers. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23515-23523	3.6	2
185	Detection of volatile organic compounds using electrospun P3HT/PMMA fibrous film. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 78, 552-560	5.3	12
184	Formation Mechanism and Control of Perovskite Films from Solution to Crystalline Phase Studied by in Situ Synchrotron Scattering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26712-26721	9.5	49

183	Enhanced short-circuit current density of perovskite solar cells using Zn-doped TiO ₂ as electron transport layer. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 447-453	6.4	75
182	Remarkably high mobility ultra-thin-film metal-oxide transistor with strongly overlapped orbitals. <i>Scientific Reports</i> , 2016 , 6, 19023	4.9	31
181	Low-temperature solution processable n-i-p perovskite solar cell. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 04EA01	1.4	3
180	Achieving a high fill factor for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5784-5801	13	152
179	Extraordinarily Sensitive and Low-Voltage Operational Cloth-Based Electronic Skin for Wearable Sensing and Multifunctional Integration Uses: A Tactile-Induced Insulating-to-Conducting Transition. <i>Advanced Functional Materials</i> , 2016 , 26, 1286-1295	15.6	109
178	Exceptional biocompatibility of 3D fibrous scaffold for cardiac tissue engineering fabricated from biodegradable polyurethane blended with cellulose. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 703-711	3	10
177	Coexistence of Two Electronic Nano-Phases on a CH ₃ NHPbI ₃ Surface Observed in STM Measurements. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29110-29116	9.5	20
176	Enhancing performance of P3HT:TiO ₂ solar cells using doped and surface modified TiO ₂ nanorods. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 315-9	9.3	11
175	Hierarchical i-p and i-n porous heterojunction in planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10526-10535	13	13
174	Modulating Crystallinity of Poly(3-hexylthiophene) via Microphase Separation of Poly(3-hexylthiophene)-Polyisoprene Block Copolymers. <i>Macromolecules</i> , 2015 , 48, 3269-3281	5.5	22
173	Liquid Crystalline Epoxy Resin Based Nanocomposite 2015 , 459-487		
172	Facile synthesis of nanostructured carbon materials over RANEY nickel catalyst films printed on Al ₂ O ₃ and SiO ₂ substrates. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1823-1829	7.1	2
171	Liquid crystalline epoxy nanocomposite material for dental application. <i>Journal of the Formosan Medical Association</i> , 2015 , 114, 46-51	3.2	8
170	Kinetically Enhanced Approach for Rapid and Tunable Self-Assembly of Rod-Coil Block Copolymers. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1329-35	4.8	7
169	Macromol. Rapid Commun. 14/2015. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1376-1376	4.8	
168	Romantic Story or Raman Scattering? Rose Petals as Ecofriendly, Low-Cost Substrates for Ultrasensitive Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2015 , 87, 6017-24	7.8	63
167	Trifluoroacetylazobenzene for optical and electrochemical detection of amines. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4687-4694	13	30
166	A novel polyurethane/cellulose fibrous scaffold for cardiac tissue engineering. <i>RSC Advances</i> , 2015 , 5, 6932-6939	3.7	54

165	Tuning perovskite morphology by polymer additive for high efficiency solar cell. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4955-61	9.5	254
164	Isoindigo-based copolymers for polymer solar cells with efficiency over 7%. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8026-8032	13	48
163	Solution self-assembly and phase transformations of form II crystals in nanoconfined poly(3-hexyl thiophene) based rod-coil block copolymers. <i>Nanoscale</i> , 2014 , 6, 2194-200	7.7	31
162	Plasmonic nanoparticle-film calipers for rapid and ultrasensitive dimensional and refractometric detection. <i>Analyst, The</i> , 2014 , 139, 5103-11	5	4
161	High refractive index transparent nanocomposites prepared by in situ polymerization. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2251	7.1	15
160	Surface-enhanced Raman scattering substrate based on a Ag coated monolayer array of SiO ₂ spheres for organic dye detection. <i>RSC Advances</i> , 2014 , 4, 10043	3.7	28
159	Reaction Kinetics and Formation Mechanism of TiO ₂ Nanorods in Solution: An Insight into Oriented Attachment. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26332-26340	3.8	11
158	BiFeO ₃ /YSZ bilayer electrolyte for low temperature solid oxide fuel cell. <i>RSC Advances</i> , 2014 , 4, 19925-19931	3.7	2
157	Stretchable organic memory: toward learnable and digitized stretchable electronic applications. <i>NPG Asia Materials</i> , 2014 , 6, e87-e87	10.3	69
156	Hybrid poly(3-hexyl thiophene)/TiO ₂ nanorod oxygen sensor. <i>RSC Advances</i> , 2014 , 4, 22926	3.7	8
155	Morphological Control Agent in Ternary Blend Bulk Heterojunction Solar Cells. <i>Polymers</i> , 2014 , 6, 2784-2892	4.9	22
154	Correlation between palladium chemical state and photocatalytic performance of TiO ₂ /Pd based nanoparticles. <i>Thin Solid Films</i> , 2014 , 570, 371-375	2.2	12
153	Photocatalytic activity of nitrogen-doped TiO ₂ -based nanowires: a photo-assisted Kelvin probe force microscopy study. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	9
152	Step Polymerization. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 , 111-136	0.6	2
151	Ionic Chain Polymerization. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 , 185-218	0.6	4
150	Additives for morphology control in high-efficiency organic solar cells. <i>Materials Today</i> , 2013 , 16, 326-336	11.8	432
149	Facile hot solvent vapor annealing for high performance polymer solar cell using spray process. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 114, 24-30	6.4	40
148	Conjugated polymer/nanoparticles nanocomposites for high efficient and real-time volatile organic compounds sensors. <i>Analytical Chemistry</i> , 2013 , 85, 9305-11	7.8	22

147	A poly(3-hexylthiophene) block copolymer with macroscopically aligned hierarchical nanostructure induced by mechanical rubbing. <i>Chemical Communications</i> , 2013 , 49, 9146-8	5.8	9
146	Mechanism and control of the structural evolution of a polymer solar cell from a bulk heterojunction to a thermally unstable hierarchical structure. <i>Nanoscale</i> , 2013 , 5, 7629-38	7.7	43
145	Photo-Kelvin probe force microscopy for photocatalytic performance characterization of single filament of TiO ₂ nanofiber photocatalysts. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5715	13	29
144	Enhancing the efficiency of low bandgap conducting polymer bulk heterojunction solar cells using P3HT as a morphology control agent. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2447	13	41
143	Enhancing organic/inorganic hybrid solar cell efficiency using rod/coil diblock polymer additive. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 665-670	13	17
142	Band gap engineering via controlling donor-acceptor compositions in conjugated copolymers. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 690-6	3.4	11
141	Phase Behavior of the Blend of Rod/Coil Diblock Copolymer and the Corresponding Coil Homopolymer. <i>Macromolecules</i> , 2013 , 46, 2249-2257	5.5	7
140	Rational Design of Versatile Self-Assembly Morphology of Rod/Coil Block Copolymer. <i>Macromolecules</i> , 2013 , 46, 2725-2732	5.5	34
139	Omniphobic low moisture permeation transparent polyacrylate/silica nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2991-8	9.5	24
138	Facile synthesis of wurtzite copper/zinc/cadmium sulfide nanocrystals from plasmonic d-jurleite nuclei. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 337-341	13	51
137	Bi-hierarchical nanostructures of donor-acceptor copolymer and fullerene for high efficient bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 1938	35.4	87
136	Synthesis, characterization and photovoltaic properties of poly(cyclopentadithiophene-alt-isoindigo). <i>Polymer Chemistry</i> , 2013 , 4, 5351	4.9	20
135	Molecular structure effect of pyridine-based surface ligand on the performance of P3HT:TiO ₂ hybrid solar cell. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1009-16	9.5	32
134	Structure Morphology Flow of Polymer. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 , 27-59	0.6	6
133	Principles of Polymer Design and Synthesis. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 ,	0.6	47
132	Low pressure radio-frequency oxygen plasma induced oxidation of titanium--surface characteristics and biological effects. <i>PLoS ONE</i> , 2013 , 8, e84898	3.7	8
131	Characterization of Polymer. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 , 89-110	0.6	6
130	Formation of post-confluence structure in human parotid gland acinar cells on PLGA through regulation of E-cadherin. <i>Biomaterials</i> , 2012 , 33, 464-72	15.6	14

129	Using the nanoimprint-in-metal method to prepare corrugated metal structures for plasmonic biosensors through both surface plasmon resonance and index-matching effects. <i>Biosensors and Bioelectronics</i> , 2012 , 33, 267-73	11.8	17
128	Enhanced photocurrent and stability of inverted polymer/ZnO-nanorod solar cells by 3-hydroxyflavone additive. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 98, 103-109	6.4	16
127	Diketopyrrolopyrrole-based oligomer modified TiO ₂ nanorods for air-stable and all solution processed poly(3-hexylthiophene):TiO ₂ bulk heterojunction inverted solar cell. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10589		39
126	Biphenyl liquid crystalline epoxy resin as a low-shrinkage resin-based dental restorative nanocomposite. <i>Acta Biomaterialia</i> , 2012 , 8, 4151-61	10.8	27
125	Synthesis and Characterization of Wurtzite Cu ₂ ZnSnS ₄ Nanocrystals. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NC30	1.4	6
124	Nanoparticle-tuned self-organization of a bulk heterojunction hybrid solar cell with enhanced performance. <i>ACS Nano</i> , 2012 , 6, 1657-66	16.7	105
123	Synthesis, optical and photovoltaic properties of bismuth sulfide nanorods. <i>CrystEngComm</i> , 2012 , 14, 3645	3.3	41
122	Cylinder-to-gyroid phase transition in a rod-coil diblock copolymer. <i>Soft Matter</i> , 2012 , 8, 4890	3.6	24
121	Synthesis, Morphology, and Optical and Electrochemical Properties of Poly(3-hexylthiophene)-b-poly(3-thiophene hexylacetate). <i>Macromolecules</i> , 2012 , 45, 813-820	5.5	41
120	Band structure engineering for low band gap polymers containing thienopyrazine. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7331		12
119	Enhancing P3HT/TiO ₂ Hybrid Photovoltaic Performance by Incorporating High Surface Potential Silica Nanodots into Hole Transport Layer. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1955-1960	3.8	10
118	Eco-friendly plasmonic sensors: using the photothermal effect to prepare metal nanoparticle-containing test papers for highly sensitive colorimetric detection. <i>Analytical Chemistry</i> , 2012 , 84, 5140-5	7.8	65
117	Effects of metal-free conjugated oligomer as a surface modifier in hybrid polymer/ZnO solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 107, 69-74	6.4	19
116	Manipulation of extinction spectra of P3HT/PMMA medium arrays on silicon substrate containing self-assembled gold nanoparticles. <i>Materials Chemistry and Physics</i> , 2012 , 137, 61-68	4.4	
115	Self-vertical phase separation study of nanoparticle/polymer solar cells by introducing fluorinated small molecules. <i>Chemical Communications</i> , 2012 , 48, 7250-2	5.8	19
114	Small- and Wide-Angle X-ray Scattering Characterization of Bulk Heterojunction Polymer Solar Cells with Different Fullerene Derivatives. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 10238-10244	3.8	60
113	Improving the electron mobility of TiO ₂ nanorods for enhanced efficiency of a polymer-nanoparticle solar cell. <i>CrystEngComm</i> , 2012 , 14, 4772	3.3	23
112	Molecular Design of Interfacial Modifiers for Polymer-Inorganic Hybrid Solar Cells. <i>Advanced Energy Materials</i> , 2012 , 2, 245-252	21.8	39

111	Synthesis and photocatalytic performance of titanium dioxide nanofibers and the fabrication of flexible composite films from nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1421-4	1.3	17
110	Synthesis, morphology and physical properties of multi-walled carbon nanotube/biphenyl liquid crystalline epoxy composites. <i>Carbon</i> , 2012 , 50, 896-905	10.4	48
109	Self-assembly and phase transformations of π -conjugated block copolymers that bend and twist: from rigid-rod nanowires to highly curvaceous gyroids. <i>Soft Matter</i> , 2011 , 7, 10429	3.6	46
108	Employing an amphiphilic interfacial modifier to enhance the performance of a poly(3-hexyl thiophene)/TiO ₂ hybrid solar cell. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4450		55
107	Correlating interface heterostructure, charge recombination, and device efficiency of poly(3-hexyl thiophene)/TiO ₂ nanorod solar cell. <i>Langmuir</i> , 2011 , 27, 15255-60	4	27
106	Enhanced charge extraction in inverted hybrid photovoltaic cells assisted by graphene nanoflakes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17462		18
105	Enhanced photocatalytic activity of TiO ₂ nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H ₂ generation from ethanol-water mixtures. <i>Nano Research</i> , 2011 , 4, 360-369	10	98
104	Low-temperature growth of multi-walled carbon nanotubes by thermal CVD. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2500-2503	1.3	21
103	Novel sulfonated block copolymer containing pendant alkylsulfonic acids: Syntheses, unique morphologies, and applications in proton exchange membrane. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2325-2338	2.5	11
102	Kinetics studies on the accelerated curing of liquid crystalline epoxy resin/multiwalled carbon nanotube nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 301-309	2.6	22
101	Effect of rod-rod interaction on self-assembly behavior of ABC π -conjugated rod-coil-triblock copolymers. <i>Soft Matter</i> , 2011 , 7, 10951	3.6	18
100	Effect of TiO ₂ nanoparticles on self-assembly behaviors and optical and photovoltaic properties of the P3HT-b-P2VP block copolymer. <i>Langmuir</i> , 2011 , 27, 109-15	4	47
99	Effects of Gold Film Morphology on Surface Plasmon Resonance Using Periodic P3HT:PMMA/Au Nanostructures on Silicon Substrate for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24045-24053	3.8	20
98	Quantitative nanoorganized structural evolution for a high efficiency bulk heterojunction polymer solar cell. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13064-73	16.4	124
97	Nitrogen-doped anatase nanofibers decorated with noble metal nanoparticles for photocatalytic production of hydrogen. <i>ACS Nano</i> , 2011 , 5, 5025-30	16.7	123
96	Effects of bifunctional linker on the optical properties of ZnO nanocolumn-linker-CdSe quantum dots heterostructure. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 323-8	9.3	14
95	Exploiting optical anisotropy to increase the external quantum efficiency of flexible P3HT:PCBM blend solar cells at large incident angles. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 2141-2150	6.4	17
94	High-efficiency inverted polymer solar cells with solution-processed metal oxides. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 2511-2515	6.4	38

93	Enhanced ultraviolet electroluminescence from ZnO nanowires in TiO ₂ /ZnO coaxial nanowires/poly(3,4-ethylenedioxythiophene)-poly(styrene-sulfonate) heterojunction. <i>Journal of Applied Physics</i> , 2010 , 107, 034310	2.5	16
92	Band gap aligned conducting interface modifier enhances the performance of thermal stable polymer-TiO ₂ nanorod solar cell. <i>Applied Physics Letters</i> , 2010 , 96, 123501	3.4	27
91	Nanoscale Morphology Control of Polymer/TiO ₂ Nanocrystal Hybrids: Photophysics, Charge Generation, Charge Transport, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18717-18724	3.8	24
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