

Wei-Fang Su

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236
papers

8,390
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47
h-index

81
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261
ext. papers

8,988
ext. citations

6.4
avg, IF

6.07
L-index

#	Paper	IF	Citations
236	Additives for morphology control in high-efficiency organic solar cells. <i>Materials Today</i> , 2013 , 16, 326-336	11.8	432
235	Transparent and conducting electrodes for organic electronics from reduced graphene oxide. <i>Applied Physics Letters</i> , 2008 , 92, 233305	3.4	336
234	Interfacial nanostructuring on the performance of polymer/TiO ₂ nanorod bulk heterojunction solar cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3644-9	16.4	277
233	Investigation of nanoscale morphological changes in organic photovoltaics during solvent vapor annealing. <i>Journal of Materials Chemistry</i> , 2008 , 18, 306-312		269
232	Tuning perovskite morphology by polymer additive for high efficiency solar cell. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4955-61	9.5	254
231	Facile synthesis of well-defined block copolymers containing regioregular poly(3-hexyl thiophene) via anionic macroinitiation method and their self-assembly behavior. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11036-8	16.4	235
230	Enhancing photoluminescence quenching and photoelectric properties of CdSe quantum dots with hole accepting ligands. <i>Journal of Materials Chemistry</i> , 2008 , 18, 675		210
229	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
228	Achieving a high fill factor for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5784-5801	13	152
227	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
226	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
225	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
224	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
223	Transparent high refractive index nanocomposite thin films. <i>Materials Letters</i> , 2007 , 61, 2908-2910	3.3	102
222	A large interconnecting network within hybrid MEH-PPV/TiO ₂ nanorod photovoltaic devices. <i>Nanotechnology</i> , 2006 , 17, 5387-5392	3.4	102
221	Near-ultraviolet photodetector based on hybrid polymer/zinc oxide nanorods by low-temperature solution processes. <i>Applied Physics Letters</i> , 2008 , 92, 233301	3.4	101
220	Low shrinkage light curable nanocomposite for dental restorative material. <i>Dental Materials</i> , 2006 , 22, 138-45	5.7	101

219	Nanostructured metal oxide/conjugated polymer hybrid solar cells by low temperature solution processes. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4571		101
218	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
217	Study of the effect of annealing process on the performance of P3HT/PCBM photovoltaic devices using scanning-probe microscopy. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 888-892	6.4	96
216	Polymer solar cells with poly(3,4-ethylenedioxythiophene) as transparent anode. <i>Organic Electronics</i> , 2008 , 9, 968-973	3.5	90
215	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
214	Enhancing light absorption and carrier transport of P3HT by doping multi-wall carbon nanotubes. <i>Chemical Physics Letters</i> , 2009 , 468, 64-68	2.5	85
213	Reversible photoreduction of methylene blue in acrylate media containing benzyl dimethyl ketal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 195, 378-383	4.7	84
212	Improved performance of polymer/TiO ₂ nanorod bulk heterojunction photovoltaic devices by interface modification. <i>Applied Physics Letters</i> , 2008 , 92, 053312	3.4	80
211	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
210	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
209	Synthesis, phase transformation and dielectric properties of sol-gel derived Bi ₂ Ti ₂ O ₇ ceramics. <i>Materials Chemistry and Physics</i> , 2003 , 80, 632-637	4.4	72
208	Stretchable organic memory: toward learnable and digitized stretchable electronic applications. <i>NPG Asia Materials</i> , 2014 , 6, e87-e87	10.3	69
207	Substituent Effect on the Optoelectronic Properties of Alternating Fluorene-Cyclopentadithiophene Copolymers. <i>Macromolecules</i> , 2008 , 41, 6664-6671	5.5	69
206	White light generation with CdSe-ZnS nanocrystals coated on an InGaN-GaN quantum-well blue/Green two-wavelength light-emitting diode. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1430-1432	2.2	69
205	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
204	Synthesis and Self-Assembly of Poly(diethylhexyloxy-p-phenylenevinylene)-b-poly(methyl methacrylate) Rod-Coil Block Copolymers. <i>Macromolecules</i> , 2009 , 42, 4208-4219	5.5	64
203	Theoretical study on the correlation between band gap, bandwidth, and oscillator strength in fluorene-based donor-acceptor conjugated copolymers. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8268-8274	3.7	64
202	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

201	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
200	Electroluminescence from ZnO nanoparticles/organic nanocomposites. <i>Applied Physics Letters</i> , 2006 , 89, 231116	3.4	59
199	Improved charge separation and transport efficiency in poly(3-hexylthiophene)/TiO ₂ nanorod bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2201		58
198	Efficient photoinduced charge transfer in TiO ₂ nanorod/conjugated polymer hybrid materials. <i>Nanotechnology</i> , 2006 , 17, 5781-5785	3.4	56
197	Employing an amphiphilic interfacial modifier to enhance the performance of a poly(3-hexylthiophene)/TiO ₂ hybrid solar cell. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4450		55
196	A novel polyurethane/cellulose fibrous scaffold for cardiac tissue engineering. <i>RSC Advances</i> , 2015 , 5, 6932-6939	3.7	54
195	Substituent Effect on the Optoelectronic Properties of Alternating Fluorene-Thiophene Copolymers. <i>Macromolecules</i> , 2007 , 40, 8189-8194	5.5	53
194	Facile synthesis of wurtzite copper zinc sulfide nanocrystals from plasmonic dodecahedral nuclei. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 337-341	13	51
193	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
192	Isoindigo-based copolymers for polymer solar cells with efficiency over 7%. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8026-8032	13	48
191	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
190	Enhancing the photocurrent in poly(3-hexylthiophene)/[6,6]-phenyl C61 butyric acid methyl ester bulk heterojunction solar cells by using poly(3-hexylthiophene) as a buffer layer. <i>Applied Physics Letters</i> , 2009 , 95, 133303	3.4	48
189	Principles of Polymer Design and Synthesis. <i>Lecture Notes in Quantum Chemistry II</i> , 2013 ,	0.6	47
188	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
187	Influence of photo-induced degradation on the optoelectronic properties of regioregular poly(3-hexylthiophene). <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 761-765	6.4	47
186	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
185	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
184	Exciton dissociation and migration in enhanced order conjugated polymer/nanoparticle hybrid materials. <i>Nanotechnology</i> , 2006 , 17, 1260-1263	3.4	45

183	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
182	Effect of Feed Rate on Structure of Hyperbranched Polymers Formed by Self-Condensing Vinyl Polymerization in Semibatch Reactor. <i>Macromolecules</i> , 2005 , 38, 8252-8257	5.5	43
181	Regioregularity effects in the chain orientation and optical anisotropy of composite polymer/fullerene films for high-efficiency, large-area organic solar cells. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5554		42
180	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
179	Synthesis, optical and photovoltaic properties of bismuth sulfide nanorods. <i>CrystEngComm</i> , 2012 , 14, 3645	3.3	41
178	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
177	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
176	Polarization-dependent confocal Raman microscopy of an individual ZnO nanorod. <i>Applied Physics Letters</i> , 2008 , 92, 223102	3.4	40
175	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
174	Molecular Design of Interfacial Modifiers for Polymer-Inorganic Hybrid Solar Cells. <i>Advanced Energy Materials</i> , 2012 , 2, 245-252	21.8	39
173	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
172	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
171	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
170	Quantitative nanoscale monitoring the effect of annealing process on the morphology and optical properties of poly(3-hexylthiophene)/[6,6]-phenyl C ₆₁ -butyric acid methyl ester thin film used in photovoltaic devices. <i>Journal of Applied Physics</i> , 2009 , 106, 034506	2.5	37
169	Synthesis and characterization of low bandgap copolymers based on indenofluorene and thiophene derivative. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 5044-5056	2.5	36
168	Nanoscale morphology and performance of molecular-weight-dependent poly(3-hexylthiophene)/TiO ₂ nanorod hybrid solar cells. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4097		35
167	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
166	Rational Design of Versatile Self-Assembly Morphology of Rod-Coil Block Copolymer. <i>Macromolecules</i> , 2013 , 46, 2725-2732	5.5	34

- 165 Emulsion synthesis of nanoparticles containing PEDOT using conducting polymeric surfactant: Synergy for colloid stability and intercalation doping. *Journal of Polymer Science Part A*, **2008**, 46, 2536-2548 2.5 33
- 164 Highly Conductive 2D Metal-Organic Framework Thin Film Fabricated by Liquid-Liquid Interfacial Reaction Using One-Pot-Synthesized Benzenehexathiol. *Langmuir*, **2018**, 34, 15754-15762 4 33
- 163 Molecular structure effect of pyridine-based surface ligand on the performance of P3HT:TiO₂ hybrid solar cell. *ACS Applied Materials & Interfaces*, **2013**, 5, 1009-16 9.5 32
- 162 Precise Facet Engineering of Perovskite Single Crystals by Ligand-Mediated Strategy. *Crystal Growth and Design*, **2017**, 17, 5945-5952 3.5 31
- 161 Enhancing Efficiency and Stability of Hot Casting p-i-n Perovskite Solar Cell via Dipolar Ion Passivation. *ACS Applied Energy Materials*, **2019**, 2, 4821-4832 6.1 31
- 160 Remarkably high mobility ultra-thin-film metal-oxide transistor with strongly overlapped orbitals. *Scientific Reports*, **2016**, 6, 19023 4.9 31
- 159 Solution self-assembly and phase transformations of form II crystals in nanoconfined poly(3-hexyl thiophene) based rod-coil block copolymers. *Nanoscale*, **2014**, 6, 2194-200 7.7 31
- 158 Hybrid poly (3-hexylthiophene)/titanium dioxide nanorods material for solar cell applications. *Solar Energy Materials and Solar Cells*, **2009**, 93, 952-957 6.4 31
- 157 Effect of chemical structure of interface modifier of TiO₂ on photovoltaic properties of poly(3-hexylthiophene)/TiO₂ layered solar cells. *Journal of Colloid and Interface Science*, **2009**, 329, 182-193 7.3 31
- 156 Two-Dimensional Arrays of Self-Assembled Gold and Sulfur-Containing Fullerene Nanoparticles. *Langmuir*, **2002**, 18, 3332-3335 4 31
- 155 High-efficiency perovskite solar cell using cobalt doped nickel oxide hole transport layer fabricated by NIR process. *Solar Energy Materials and Solar Cells*, **2020**, 208, 110352 6.4 31
- 154 Trifluoroacetylazobenzene for optical and electrochemical detection of amines. *Journal of Materials Chemistry A*, **2015**, 3, 4687-4694 13 30
- 153 Cell tracking and detection of molecular expression in live cells using lipid-enclosed CdSe quantum dots as contrast agents for epi-third harmonic generation microscopy. *Optics Express*, **2008**, 16, 9534-48 3.3 30
- 152 Remarkably High Hole Mobility Metal-Oxide Thin-Film Transistors. *Scientific Reports*, **2018**, 8, 889 4.9 29
- 151 Photo-Kelvin probe force microscopy for photocatalytic performance characterization of single filament of TiO₂ nanofiber photocatalysts. *Journal of Materials Chemistry A*, **2013**, 1, 5715 13 29
- 150 Nanostructured polymer blends (P3HT/PMMA): Inorganic titania hybrid photovoltaic devices. *Solar Energy Materials and Solar Cells*, **2009**, 93, 961-965 6.4 29
- 149 Surface-enhanced Raman scattering substrate based on a Ag coated monolayer array of SiO₂ spheres for organic dye detection. *RSC Advances*, **2014**, 4, 10043 3.7 28
- 148 Effects of bifunctional linker on the performance of P3HT/CdSe quantum dot-linker-ZnO nanocolumn photovoltaic device. *Optics Express*, **2010**, 18 Suppl 3, A357-65 3.3 28

147	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
146	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
145	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
144	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
143	Photoactive Polythiophene:Titania Hybrids with Excellent Miscibility for Use in Polymer Photovoltaic Cells. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 1303-1308	4.8	26
142	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
141	Facile syntheses, morphologies, and optical absorptions of P3HT coil-rod-coil triblock copolymers. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3311-3322	2.5	25
140	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
139	Cylinder-to-gyroid phase transition in a rod-coil diblock copolymer. <i>Soft Matter</i> , 2012 , 8, 4890	3.6	24
138	Omniphobic low moisture permeation transparent polyacrylate/silica nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2991-8	9.5	24
137	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
136	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
135	Model of hyperbranched polymers formed by monomers A ₂ and B _g with end-capping molecules. <i>European Polymer Journal</i> , 2008 , 44, 2998-3004	5.2	23
134	Nanolithography made from water-based spin-coatable LSMO resist. <i>Nanotechnology</i> , 2006 , 17, 4399-4404	9.4	23
133	Interfacial behaviour between Bi _{1.5} ZnNb _{1.5} O ₇ ·0.02V ₂ O ₅ and Ag. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2593-2596	6	23
132	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
131	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
130	Morphological Control Agent in Ternary Blend Bulk Heterojunction Solar Cells. <i>Polymers</i> , 2014 , 6, 2784-2802	20.2	22

129	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
128	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
127	Manipulation of nanoscale phase separation and optical properties of P3HT/PMMA polymer blends for photoluminescent electron beam resist. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 10277-84	3.4	21
126	Thermal properties of high refractive index epoxy resin system. <i>Thermochimica Acta</i> , 2002 , 392-393, 385-389	3.9	21
125	Synthesis, characterization and photovoltaic properties of poly(cyclopentadithiophene-alt-isoindigo). <i>Polymer Chemistry</i> , 2013 , 4, 5351	4.9	20
124	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
123	Polymer/Metal Oxide Nanocrystals Hybrid Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010 , 16, 1635-1640	3.8	20
122	Wideband Dielectric Resonator Antenna With a Tunnel. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 275-278	3.8	20
121	High intensity fluorescence of photoactivated silver oxide from composite thin film with periodic array structure. <i>Applied Physics Letters</i> , 2006 , 89, 061912	3.4	20
120	Thermal properties of rigid rod epoxies cured with diaminodiphenylsulfone and dicyandiamide. <i>Thermochimica Acta</i> , 2002 , 392-393, 391-394	2.9	20
119	Coexistence of Two Electronic Nano-Phases on a CHNHPbCl Surface Observed in STM Measurements. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29110-29116	9.5	20
118	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
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	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
115	Kinetic Model of Hyperbranched Polymers Formed by Self-Condensing Vinyl or Self-Condensing Ring-Opening Polymerization of AB Monomers Activated by Stimuli with Different Reactivities. <i>Macromolecules</i> , 2010 , 43, 8965-8970	5.5	19
114	Correlation between nanoscale surface potential and power conversion efficiency of P3HT/TiO ₂ nanorod bulk heterojunction photovoltaic devices. <i>Nanoscale</i> , 2010 , 2, 1448-54	7.7	19
113	Electroluminescence from monolayer ZnO nanoparticles using dry coating technique. <i>Applied Physics Letters</i> , 2008 , 92, 261107	3.4	19
112	Fabrication of 2D ordered structure of self-assembled block copolymers containing gold nanoparticles. <i>Journal of Crystal Growth</i> , 2006 , 288, 128-136	1.6	19

111	Thermal properties of phthalic anhydride- and phenolic resin-cured rigid rod epoxy resins. <i>Thermochimica Acta</i> , 2002 , 392-393, 395-398	2.9	19
110	Enhanced charge extraction in inverted hybrid photovoltaic cells assisted by graphene nanoflakes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17462		18
109	Effect of rod-rod interaction on self-assembly behavior of ABC π -conjugated rod-coil-coil triblock copolymers. <i>Soft Matter</i> , 2011 , 7, 10951	3.6	18
108	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
107	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
106	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
105	Using scanning probe microscopy to study the effect of molecular weight of poly(3-hexylthiophene) on the performance of poly(3-hexylthiophene):TiO ₂ nanorod photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 869-873	6.4	17
104	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
103	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
102	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
101	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
100	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
99	Monitoring time and temperature by methylene blue containing polyacrylate film. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 49-55	8.5	16
98	High refractive index transparent nanocomposites prepared by in situ polymerization. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2251	7.1	15
97	Transparent hydrophobic durable low moisture permeation poly(fluoroimide acrylate)/SiO ₂ nanocomposite from solventless photocurable resin system. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3084		15
96	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
95	Kelvin Probe Force Microscopy study on hybrid P3HT:titanium dioxide nanorod materials. <i>Chemical Physics Letters</i> , 2009 , 479, 105-108	2.5	14
94	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

93	Self-assembled monolayers of 2-(thienyl)hexylphosphonic acid on native oxide surface of silicon fabricated by air-liquid interface-assisted method. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 236-9	9.3	14
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