Jin Young Kim

List of Publications by Year
in descending order

261 papers	22,032 citations	19608 61 h-index	9553 142 g-index
261 all docs	261 docs citations	261 times ranked	19467 citing authors

#	Article	IF	Citations
1	Suppression of halide migration and immobile ionic surface passivation for blue perovskite light-emitting diodes. Journal of Materials Chemistry C, 2022, 10, 2060-2066.	2.7	12
2	Mesoporous Trap of Molecular Sieves via Water-Selective Capture for Stable Perovskite Quantum Dots. ACS Sustainable Chemistry and Engineering, 2022, 10, 1115-1124.	3.2	5
3	Conformal quantum dotâ€"SnO ₂ layers as electron transporters for efficient perovskite solar cells. Science, 2022, 375, 302-306.	6.0	872
4	Design and photovoltaic properties of conjugated polymers based on quinoxaline and diketopyrrolopyrrole for OSCs. Synthetic Metals, 2022, 285, 117016.	2.1	1
5	Hetero-tandem organic solar cells drive water electrolysis with a solar-to-hydrogen conversion efficiency up to 10%. Applied Catalysis B: Environmental, 2022, 309, 121237.	10.8	8
6	A low bandgap conjugated polymer bearing a phenazine moiety for application in organic solar cells. Synthetic Metals, 2022, 289, 117114.	2.1	2
7	Non-fullerene polymer solar cells based on quinoxaline units with fluorine atoms. Synthetic Metals, 2021, 272, 116655.	2.1	9
8	Importance of interface engineering between the hole transport layer and the indium-tin-oxide electrode for highly efficient polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 15394-15403.	5.2	10
9	Designing a naphthyridinedione-based conjugated polymer for thickness-tolerant high efficiency polymer solar cells. Journal of Materials Chemistry A, 2021, 9, 10846-10854.	5.2	7
10	Machine learning-assisted development of organic photovoltaics via high-throughput in situ formulation. Energy and Environmental Science, 2021, 14, 3438-3446.	15.6	29
11	Exploiting Ternary Blends to Accurately Control the Coloration of Semitransparent, Nonâ€Fullerene, Organic Solar Cells. Solar Rrl, 2021, 5, 2000742.	3.1	9
12	Pseudo-halide anion engineering for Î±-FAPbI3 perovskite solar cells. Nature, 2021, 592, 381-385.	13.7	2,095
13	Highly Stable Bulk Perovskite for Blue LEDs with Anion-Exchange Method. Nano Letters, 2021, 21, 3473-3479.	4.5	36
14	Photophysical pathways in efficient bilayer organic solar cells: The importance of interlayer energy transfer. Nano Energy, 2021, 84, 105924.	8.2	33
15	Inverted Polymer Solar Cells with Annealingâ€Free Solutionâ€Processable NiO. Small, 2021, 17, e2101729.	5.2	22
16	Planar Organic Bilayer Heterojunctions Fabricated on Water with Ultrafast Donorâ€toâ€Acceptor Charge Transfer. Solar Rrl, 2021, 5, 2100326.	3.1	8
17	Flexible Organic Photovoltaics with Colorful Semi-Transparent Metal/Dielectric/Metal Top Electrode. ECS Journal of Solid State Science and Technology, 2021, 10, 065007.	0.9	3
18	Circularly Polarized Emission from Organicâ€"Inorganic Hybrid Perovskites via Chiral Fano Resonances. ACS Nano, 2021, 15, 13781-13793.	7.3	28

#	Article	IF	Citations
19	Fullerene-Based Triads with Controlled Alkyl Spacer Length as Photoactive Materials for Single-Component Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 43174-43185.	4.0	8
20	One-step formation of core/shell structure based on hydrophobic silane ligands for enhanced luminescent perovskite quantum dots. Journal of Alloys and Compounds, 2021, 886, 161347.	2.8	12
21	A recent advances of blue perovskite light emitting diodes for next generation displays. Journal of Semiconductors, 2021, 42, 101608.	2.0	7
22	Fullerene-Based Photoactive A-D-A Triads for Single-Component Organic Solar Cells: Incorporation of Non-Fused Planar Conjugated Core. Macromolecular Research, 2021, 29, 871-881.	1.0	10
23	Modeling and implementation of tandem polymer solar cells using wideâ€bandgap front cells. , 2020, 2, 131-142.		9
24	Molecular aggregation method for perovskiteâ€“fullerene bulk heterostructure solar cells. Journal of Materials Chemistry A, 2020, 8, 1326-1334.	5.2	15
25	Origin of the luminescence spectra width in perovskite nanocrystals with surface passivation. Nanoscale, 2020, 12, 21695-21702.	2.8	16
26	Elimination of Charge Transfer Energy Loss by Introducing a Small-Molecule Secondary Donor into Fullerene-Based Polymer Solar Cells. ACS Applied Energy Materials, 2020, 3, 8375-8382.	2.5	8
27	Roll-to-roll compatible quinoxaline-based polymers toward high performance polymer solar cells. Journal of Materials Chemistry A, 2020, 8, 25208-25216.	5.2	14
28	Effects on Photovoltaic Characteristics by Organic Bilayer- and Bulk-Heterojunctions: Energy Losses, Carrier Recombination and Generation. ACS Applied Materials & Interfaces, 2020, 12, 55945-55953.	4.0	14
29	Unfolding the Influence of Metal Doping on Properties of CsPbI₃ Perovskite. Small Methods, 2020, 4, 2000296.	4.6	27
30	Aesthetic and colorful: Dichroic polymer solar cells using high-performance Fabry-PÃ©rot etalon electrodes with a unique Sb2O3 cavity. Nano Energy, 2020, 77, 105146.	8.2	25
31	Light-Emitting Transistors with High Color Purity Using Perovskite Quantum Dot Emitters. ACS Applied Materials & Interfaces, 2020, 12, 35175-35180.	4.0	18
32	Design and synthesis of small molecules with difluoroquinoxaline units for OSCs. Molecular Crystals and Liquid Crystals, 2020, 705, 79-86.	0.4	0
33	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. Scientific Reports, 2020, 10, 18055.	1.6	25
34	Defect-Inducedin SituAtomic Doping in Transition Metal Dichalcogenides via Liquid-Phase Synthesis toward Efficient Electrochemical Activity. ACS Nano, 2020, 14, 17114-17124.	7.3	26
35	Effect of Interfacial Layers on the Device Lifetime of Perovskite Solar Cells. Small Methods, 2020, 4, 2000065.	4.6	22
36	Interface Engineering Driven Stabilization of Halide Perovskites against Moisture, Heat, and Light for Optoelectronic Applications. Advanced Energy Materials, 2020, 10, 2000768.	10.2	62

#	Article	IF	Citations
37	Dichroic Sb 2 O 3 /Ag/Sb 2 O 3 Electrodes for Colorful Semitransparent Organic Solar Cells. Solar Rrl, 2020, 4, 2000201.	3.1	15
38	High-Resolution Filtration Patterning of Silver Nanowire Electrodes for Flexible and Transparent Optoelectronic Devices. ACS Applied Materials & Interfaces, 2020, 12, 32154-32162.	4.0	35
39	Efficient, stable silicon tandem cells enabled by anion-engineered wide-bandgap perovskites. Science, 2020, 368, 155-160.	6.0	420
40	Waterproof perovskites: high fluorescence quantum yield and stability from a methylammonium lead bromide/formate mixture in water. Journal of Materials Chemistry C, 2020, 8, 5873-5881.	2.7	9
41	A highly transparent thin film hematite with multi-element dopability for an efficient unassisted water splitting system. Nano Energy, 2020, 76, 105089.	8.2	29
42	Functionalized PFN-X (X = Cl, Br, or I) for Balanced Charge Carriers of Highly Efficient Blue Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 35740-35747.	4.0	31
43	High-Performance Perovskite Light-Emitting Diodes with Surface Passivation of CsPbBr‹i› ‹sub›x‹/sub› ‹/i›I‹sub›3â€“‹i›x‹/i› ‹/sub› Nanocrystals via Antisolvent-Triggered Ion-Exchange. ACS Applied Materials & Interfaces, 2020, 12, 31582-31590.	4.0	22
44	Dithienogermole-Based Nonfullerene Acceptors: Roles of the Side-Chainsâ€™ Direction and Development of Green-Tinted Efficient Semitransparent Organic Solar Cells. ACS Applied Energy Materials, 2020, 3, 7689-7698.	2.5	21
45	Thermally Durable Nonfullerene Acceptor with Nonplanar Conjugated Backbone for Highâ€Performance Organic Solar Cells. Advanced Energy Materials, 2020, 10, 1903585.	10.2	30
46	Recent progress in indoor organic photovoltaics. Nanoscale, 2020, 12, 5792-5804.	2.8	126
47	Efficient Exciton Diffusion in Organic Bilayer Heterojunctions with Nonfullerene Small Molecular Acceptors. ACS Energy Letters, 2020, 5, 1628-1635.	8.8	52
48	Indoloindole-based small molecule bulk heterojunction small molecule solar cells. Dyes and Pigments, 2019, 161, 419-426.	2.0	6
49	Slotâ€Die and Rollâ€toâ€Roll Processed Single Junction Organic Photovoltaic Cells with the Highest Efficiency. Advanced Energy Materials, 2019, 9, 1901805.	10.2	62
50	Study of Burnâ€In Loss in Green Solventâ€Processed Ternary Blended Organic Photovoltaics Derived from UVâ€Crosslinkable Semiconducting Polymers and Nonfullerene Acceptors. Advanced Energy Materials, 2019, 9, 1901829.	10.2	47
51	Methylammonium Chloride Induces Intermediate Phase Stabilization for Efficient Perovskite Solar Cells. Joule, 2019, 3, 2179-2192.	11.7	1,228
52	A thermally stable, barium-stabilized Î±-CsPbI‹sub›3‹/sub› perovskite for optoelectronic devices. Journal of Materials Chemistry A, 2019, 7, 21740-21746.	5.2	37
53	Pseudohalides in Leadâ€Based Perovskite Semiconductors. Advanced Materials, 2019, 31, e1807029.	11.1	39
54	Morphological and Optical Engineering for High-Performance Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 4705-4711.	4.0	6

#	Article	IF	Citations
55	Morphology-Dependent Hole Transfer under Negligible HOMO Difference in Non-Fullerene Acceptor-Based Ternary Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 7208-7215.	4.0	28
56	Ultrathin, lightweight and flexible perovskite solar cells with an excellent power-per-weight performance. Journal of Materials Chemistry A, 2019, 7, 1107-1114.	5.2	100
57	Vivid and Fully Saturated Blue Light-Emitting Diodes Based on Ligand-Modified Halide Perovskite Nanocrystals. ACS Applied Materials & Interfaces, 2019, 11, 23401-23409.	4.0	60
58	Reducing Burnâ€In Loss of Organic Photovoltaics by a Robust Electronâ€Transporting Layer. Advanced Materials Interfaces, 2019, 6, 1900213.	1.9	4
59	Synergistic combination of amorphous indium oxide with tantalum pentoxide for efficient electron transport in low-power electronics. Journal of Materials Chemistry C, 2019, 7, 4559-4566.	2.7	6
60	Synthesis of Alkoxyaceneâ€Based Random Copolymers and Binary Solvent Additive for High Efficiency Organic Photovoltaics. Macromolecular Chemistry and Physics, 2019, 220, 1900409.	1.1	0
61	Regio-regular alternating diketopyrrolopyrrole-based D₁â€“Aâ€“D₂â€“A terpolymers for the enhanced performance of polymer solar cells. RSC Advances, 2019, 9, 42096-42109.	1.7	3
62	The optimization of intermediate semiâ€“bonding structure using solvent vapor annealing for high performance p-i-n structure perovskite solar cells. Organic Electronics, 2019, 65, 300-304.	1.4	5
63	Influence of the Crystalline Nature of Small Donors Molecules on the Efficiency and Stability of Organic Photovoltaic Devices. Solar Rrl, 2018, 2, 1700235.	3.1	11
64	Photovoltaic polymers based on difluoroqinoxaline units with deep <scp>HOMO</scp> levels. Journal of Polymer Science Part A, 2018, 56, 1489-1497.	2.5	8
65	Conjugated Polyelectrolytes Bearing Various Ion Densities: Spontaneous Dipole Generation, Polingâ€Induced Dipole Alignment, and Interfacial Energy Barrier Control for Optoelectronic Device Applications. Advanced Materials, 2018, 30, e1706034.	11.1	12
66	Green-solvent processable semiconducting polymers applicable in additive-free perovskite and polymer solar cells: molecular weights, photovoltaic performance, and thermal stability. Journal of Materials Chemistry A, 2018, 6, 5538-5543.	5.2	51
67	Highly efficient polymer solar cells with a thienopyrroledione and benzodithiophene containing planar random copolymer. Polymer Chemistry, 2018, 9, 1216-1222.	1.9	19
68	Alkoxybenzothiadiazole-Based Fullerene and Nonfullerene Polymer Solar Cells with High Shunt Resistance for Indoor Photovoltaic Applications. ACS Applied Materials & Interfaces, 2018, 10, 3885-3894.	4.0	52
69	Twisted Linker Effect on Naphthalene Diimideâ€Based Dimer Electron Acceptors for Nonâ€fullerene Organic Solar Cells. Macromolecular Rapid Communications, 2018, 39, e1800108.	2.0	8
70	A new small molecule acceptor based on indaceno[2,1-b:6,5-bâ€™]dithiophene and thiophene-fused ending group for fullerene-free organic solar cells. Dyes and Pigments, 2018, 148, 263-269.	2.0	17
71	A donorâ€“acceptor semiconducting polymer with a random configuration for efficient, green-solvent-processable flexible solar cells. Journal of Materials Chemistry A, 2018, 6, 24580-24587.	5.2	20
72	Non-halogenated diphenyl-chalcogenide solvent processing additives for high-performance polymer bulk-heterojunction solar cells. RSC Advances, 2018, 8, 39777-39783.	1.7	6

#	Article	IF	Citations
73	Silicon Nanocanyon: One-Step Bottom-Up Fabrication of Black Silicon via in-Lasing Hydrophobic Self-Clustering of Silicon Nanocrystals for Sustainable Optoelectronics. ACS Applied Materials & Interfaces, 2018, 10, 36523-36530.	4.0	8
74	Reversible, Full-Color Luminescence by Post-treatment of Perovskite Nanocrystals. Joule, 2018, 2, 2105-2116.	11.7	61
75	The introduction of a perovskite seed layer for high performance perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 20138-20144.	5.2	12
76	Ambient-Stable Cubic-Phase Hybrid Perovskite Reaching the Shockleyâ€"Queisser Fill Factor Limit via Inorganic Additive-Assisted Process. ACS Applied Energy Materials, 2018, 1, 5865-5871.	2.5	13
77	Conjugated Polyelectrolytes as Efficient Hole Transport Layers in Perovskite Light-Emitting Diodes. ACS Nano, 2018, 12, 5826-5833.	7.3	56
78	Nanoparticleâ€Enhanced Silverâ€Nanowire Plasmonic Electrodes for Highâ€Performance Organic Optoelectronic Devices. Advanced Materials, 2018, 30, e1800659.	11.1	67
79	Engineering the morphology via processing additives in multiple all-polymer solar cells for improved performance. Journal of Materials Chemistry A, 2018, 6, 10421-10432.	5.2	65
80	Formamidinium-based planar heterojunction perovskite solar cells with alkali carbonate-doped zinc oxide layer. RSC Advances, 2018, 8, 24110-24115.	1.7	10
81	Effect of Substituents of Thienyleneâ€"Vinyleneâ€"Thienylene-Based Conjugated Polymer Donors on the Performance of Fullerene and Nonfullerene Solar Cells. Journal of Physical Chemistry C, 2018, 122, 16613-16623.	1.5	13
82	Fast vaporizing anti-solvent for high crystalline perovskite to achieve high performance perovskite solar cells. Thin Solid Films, 2018, 661, 122-127.	0.8	11
83	Implementation of Lowâ€Power Electronic Devices Using Solutionâ€Processed Tantalum Pentoxide Dielectric. Advanced Functional Materials, 2018, 28, 1704215.	7.8	17
84	Hot slot die coating for additive-free fabrication of high performance roll-to-roll processed polymer solar cells. Energy and Environmental Science, 2018, 11, 3248-3255.	15.6	85
85	Synthesis and photovoltaic properties of three different types of terpolymers. Materials Chemistry Frontiers, 2017, 1, 1147-1155.	3.2	6
86	A universal processing additive for high-performance polymer solar cells. RSC Advances, 2017, 7, 7476-7482.	1.7	58
87	ZnO decorated germanium nanoparticles as anode materials in Li-ion batteries. Nanotechnology, 2017, 28, 095402.	1.3	6
88	Effect of Heterocyclic Anchoring Sequence on the Properties of Dithienogermole-Based Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 7091-7099.	4.0	16
89	Semi-crystalline photovoltaic polymers with siloxane-terminated hybrid side-chains. Science China Chemistry, 2017, 60, 528-536.	4.2	3
90	High-Temperatureâ€"Short-Time Annealing Process for High-Performance Large-Area Perovskite Solar Cells. ACS Nano, 2017, 11, 6057-6064.	7.3	142

#	Article	IF	Citations
91	High-efficiency photovoltaic cells with wide optical band gap polymers based on fluorinated phenylene-alkoxybenzothiadiazole. Energy and Environmental Science, 2017, 10, 1443-1455.	15.6	84
92	Naphthalene diimide-based small molecule acceptors for fullerene-free organic solar cells. Solar Energy, 2017, 150, 90-95.	2.9	30
93	Alkyl Sideâ€Chain Engineering in Wideâ€Bandgap Copolymers Leading to Power Conversion Efficiencies over 10%. Advanced Materials, 2017, 29, 1604251.	11.1	213
94	Interfacial engineering for highly efficient organic solar cells. Current Applied Physics, 2017, 17, 370-391.	1.1	47
95	Single Component Organic Solar Cells Based on Oligothiopheneâ€Fullerene Conjugate. Advanced Functional Materials, 2017, 27, 1702474.	7.8	91
96	Fluorine Functionalized Graphene Nano Platelets for Highly Stable Inverted Perovskite Solar Cells. Nano Letters, 2017, 17, 6385-6390.	4.5	106
97	Efficiency Exceeding 11% in Tandem Polymer Solar Cells Employing High Openâ€Circuit Voltage Wideâ€Bandgap Ï€â€Conjugated Polymers. Advanced Energy Materials, 2017, 7, 1700782.	10.2	24
98	Optically Tunable Plasmonic Two-Dimensional Ag Quantum Dot Arrays for Optimal Light Absorption in Polymer Solar Cells. Journal of Physical Chemistry C, 2017, 121, 17569-17576.	1.5	9
99	Peroptronic devices: perovskite-based light-emitting solar cells. Energy and Environmental Science, 2017, 10, 1950-1957.	15.6	41
100	Semi-crystalline A1â€“Dâ€“A2-type copolymers for efficient polymer solar cells. Polymer Journal, 2017, 49, 141-148.	1.3	6
101	Highly Asymmetric n‹sup›+‹/sup›â€“p Heterojunction Quantumâ€Dot Solar Cells with Significantly Improved Chargeâ€Collection Efficiencies. Advanced Materials, 2016, 28, 1780-1787.	11.1	29
102	Ternary Organic Solar Cells Based on Two Highly Efficient Polymer Donors with Enhanced Power Conversion Efficiency. Advanced Energy Materials, 2016, 6, 1502109.	10.2	147
103	Conjugated polymers containing 6-(2-thienyl)-4H-thieno[3,2-b]indole (TTI) and isoindigo for organic photovoltaics. Polymer, 2016, 95, 36-44.	1.8	18
104	Solution-processed, inverted organic solar cells with bilayered inorganic/organic electron extraction layers. RSC Advances, 2016, 6, 36561-36567.	1.7	6
105	Influence of aromatic heterocycle of conjugated side chains on photovoltaic performance of benzodithiophene-based wide-bandgap polymers. Polymer Chemistry, 2016, 7, 4036-4045.	1.9	26
106	Dithieno[2,3â€d:2',3'â€d']benzo[1,2â€b:4,5â€b']dithiophene (DTBDAT)â€based copolymers for highâ€performance organic solar cells. Journal of Polymer Science Part A, 2016, 54, 3182-3192.	2.5	8
107	Effect of alkyl chain topology on the structure, optoelectronic properties and solar cell performance of thienopyrroledione-cored oligothiophene chromophores. RSC Advances, 2016, 6, 77655-77665.	1.7	6
108	Ternary Halide Perovskites for Highly Efficient Solution-Processed Hybrid Solar Cells. ACS Energy Letters, 2016, 1, 712-718.	8.8	24

#	Article	IF	Citations
109	Syntheses of PCDTBT containing tetrafluorobenzene as electron-withdrawing group with deep HOMO energy level andÂapplications for photovoltaics. Polymer, 2016, 102, 84-91.	1.8	4
110	Synthesis and photovoltaic properties of benzimidazole-based copolymer with fluorine atom. Polymer Bulletin, 2016, 73, 2511-2519.	1.7	4
111	2,1,3â€benzothiadiazoleâ€5,6â€dicarboxylicimide based semicrystalline polymers for photovoltaic cells. Journal of Polymer Science Part A, 2016, 54, 3826-3834.	2.5	5
112	High-efficiency, hybrid Si/C60 heterojunction solar cells. Journal of Materials Chemistry A, 2016, 4, 16410-16417.	5.2	11
113	Investigation of Charge Carrier Behavior in High Performance Ternary Blend Polymer Solar Cells. Advanced Energy Materials, 2016, 6, 1600637.	10.2	85
114	Clean thermal decomposition of tertiary-alkyl metal thiolates to metal sulfides: environmentally-benign, non-polar inks for solution-processed chalcopyrite solar cells. Scientific Reports, 2016, 6, 36608.	1.6	11
115	Photocurrent Extraction Efficiency near Unity in a Thick Polymer Bulk Heterojunction. Advanced Functional Materials, 2016, 26, 3324-3330.	7.8	48
116	Syntheses and Properties of Conjugated Polymer with Thiopheneâ€Bridged BTI and Indenoindene Units for Organic Solar Cells. Bulletin of the Korean Chemical Society, 2016, 37, 506-514.	1.0	1
117	Straight chain Dâ€“A copolymers based on thienothiophene and benzothiadiazole for efficient polymer field effect transistors and photovoltaic cells. Polymer Chemistry, 2016, 7, 4638-4646.	1.9	29
118	Quinoxalineâ€“thiophene based thick photovoltaic devices with an efficiency of â¹¼8%. Journal of Materials Chemistry A, 2016, 4, 9967-9976.	5.2	49
119	Synthesis and TFT Properties of Fluorenyl Cored Conjugated Compound for Organic Thin Film Transistors. Journal of Nanoscience and Nanotechnology, 2016, 16, 2979-2982.	0.9	2
120	Doubleâ€Sided Junctions Enable Highâ€Performance Colloidalâ€Quantumâ€Dot Photovoltaics. Advanced Materials, 2016, 28, 4142-4148.	11.1	121
121	High-Performance Solution-Processed Non-Fullerene Organic Solar Cells Based on Selenophene-Containing Perylene Bisimide Acceptor. Journal of the American Chemical Society, 2016, 138, 375-380.	6.6	643
122	Medium bandgap copolymers based on carbazole and quinoxaline exceeding 1.0 V open-circuit voltages. RSC Advances, 2016, 6, 17624-17631.	1.7	5
123	Control of Charge Dynamics via Use of Nonionic Phosphonate Chains and Their Effectiveness for Inverted Structure Solar Cells. Advanced Energy Materials, 2015, 5, 1500844.	10.2	28
124	Syntheses and Properties of Copolymers with Nâ€Alkylâ€2,2â€²â€bithiopheneâ€3,3â€²â€dicarboximide Unit for Polymer Solar Cells. Bulletin of the Korean Chemical Society, 2015, 36, 2238-2246.	1.0	3
125	A Roundabout Approach to Control Morphological Orientation and Solarâ€Cell Performance by Modulating Sideâ€Chain Branching Position in Benzodithiopheneâ€Based Polymers. ChemPhysChem, 2015, 16, 1305-1314.	1.0	15
126	Silver-Based Nanoparticles for Surface Plasmon Resonance in Organic Optoelectronics. Particle and Particle Systems Characterization, 2015, 32, 164-175.	1.2	106

#	Article	IF	Citations
127	Capacity retention behavior and morphology evolution of Si_xGe_{1â”x}nanoparticles as lithium-ion battery anode. Nanotechnology, 2015, 26, 255702.	1.3	13
128	Syntheses and solar cell applications of conjugated copolymers consisting of 3,3â€²-dicarboximide and benzodithiophene units with thiophene and bithiophene linkage. Solar Energy Materials and Solar Cells, 2015, 141, 24-31.	3.0	3
129	Structural and morphological tuning of dithienobenzodithiophene-core small molecules for efficient solution processed organic solar cells. Dyes and Pigments, 2015, 115, 23-34.	2.0	22
130	Ultrafast Charge Transfer in Operating Bulk Heterojunction Solar Cells. Advanced Materials, 2015, 27, 2036-2041.	11.1	31
131	Enhancement of Organic Photovoltaic Efficiency via Nanomorphology Control using Conjugated Polymers Incorporating Fullerene Compatible Side-Chains. Macromolecules, 2015, 48, 337-345.	2.2	10
132	Benzodithiophene-thiophene-based photovoltaic polymers with different side-chains. Journal of Polymer Science Part A, 2015, 53, 854-862.	2.5	15
133	Dithienogermoleâ€Containing Smallâ€Molecule Solar Cells with 7.3% Efficiency: Inâ€Depth Study on the Effects of Heteroatom Substitution of Si with Ge. Advanced Energy Materials, 2015, 5, 1402044.	10.2	40
134	2,7-Carbazole and thieno[3,4-c]pyrrole-4,6-dione based copolymers with deep highest occupied molecular orbital for photovoltaic cells. Current Applied Physics, 2015, 15, 654-661.	1.1	4
135	Plasmonic Transition via Interparticle Coupling of Au@Ag Coreâ€“Shell Nanostructures Sheathed in Double Hydrophilic Block Copolymer for High-Performance Polymer Solar Cell. Chemistry of Materials, 2015, 27, 4789-4798.	3.2	39
136	Synthesis and properties of low band gap polymers based on thienyl thienoindole as a new electron-rich unit for organic photovoltaics. Polymer Chemistry, 2015, 6, 6011-6020.	1.9	16
137	Single-step fabrication of quantum funnels via centrifugal colloidal casting of nanoparticle films. Nature Communications, 2015, 6, 7772.	5.8	68
138	Spectroscopically tracking charge separation in polymerâ€‰:â€‰fullerene blends with a three-phase morphology. Energy and Environmental Science, 2015, 8, 2713-2724.	15.6	44
139	Syntheses and solar cell applications of conjugated copolymers containing tetrafluorophenylene units. Polymer, 2015, 71, 113-121.	1.8	5
140	Production of pristine, sulfur-coated and silicon-alloyed germanium nanoparticles via laser pyrolysis. Nanotechnology, 2015, 26, 305703.	1.3	9
141	Conjugated polyelectrolyte hole transport layer for inverted-type perovskite solar cells. Nature Communications, 2015, 6, 7348.	5.8	281
142	Synergistic photocurrent addition in hybrid quantum dot: Bulk heterojunction solar cells. Nano Energy, 2015, 13, 491-499.	8.2	18
143	Conformal Fabrication of Colloidal Quantum Dot Solids for Optically Enhanced Photovoltaics. ACS Nano, 2015, 9, 5447-5453.	7.3	29
144	Smallâ€Bandgap Polymer Solar Cells with Unprecedented Shortâ€Circuit Current Density and High Fill Factor. Advanced Materials, 2015, 27, 3318-3324.	11.1	294

#	Article	IF	Citations
145	Trifluoromethyl benzimidazole-based conjugated polymers with deep HOMO levels for organic photovoltaics. Synthetic Metals, 2015, 205, 112-120.	2.1	14
146	Synthesis and photovoltaic properties of alkoxy-benzimidazole containing low band gap polymers. Thin Solid Films, 2015, 580, 29-35.	0.8	6
147	2,2-dimethyl-2H-benzimidazole based small molecules for organic solar cells. Macromolecular Research, 2015, 23, 214-222.	1.0	15
148	Thienoisoindigo (TIIG)-based small molecules for the understanding of structureâ€“propertyâ€“device performance correlations. Journal of Materials Chemistry A, 2015, 3, 9899-9908.	5.2	33
149	High-Efficiency Colloidal Quantum Dot Photovoltaics via Robust Self-Assembled Monolayers. Nano Letters, 2015, 15, 7691-7696.	4.5	198
150	Capillary Printing of Highly Aligned Silver Nanowire Transparent Electrodes for High-Performance Optoelectronic Devices. Nano Letters, 2015, 15, 7933-7942.	4.5	196
151	Interplay of Intramolecular Noncovalent Coulomb Interactions for Semicrystalline Photovoltaic Polymers. Chemistry of Materials, 2015, 27, 5997-6007.	3.2	150
152	Optimal top electrodes for inverted polymer solar cells. Physical Chemistry Chemical Physics, 2015, 17, 2152-2159.	1.3	27
153	An Organic Surface Modifier to Produce a High Work Function Transparent Electrode for High Performance Polymer Solar Cells. Advanced Materials, 2015, 27, 892-896.	11.1	94
154	Improved Performance in Polymer Solar Cells Using Mixed PC₆₁BM/PC₇₁BM Acceptors. Advanced Energy Materials, 2015, 5, 1401687.	10.2	63
155	Device Architectures for Enhanced Photon Recycling in Thinâ€Film Multijunction Solar Cells. Advanced Energy Materials, 2015, 5, 1400919.	10.2	41
156	High mobility solution-processed hybrid light emitting transistors. Applied Physics Letters, 2014, 105, 183302.	1.5	29
157	Synthesis of the Copolymer Based on Diketopyrrolopyrrole with Didecyl Chain for OPVs. Molecular Crystals and Liquid Crystals, 2014, 600, 88-98.	0.4	1
158	Amineâ€Based Polar Solvent Treatment for Highly Efficient Inverted Polymer Solar Cells. Advanced Materials, 2014, 26, 494-500.	11.1	159
159	Mixed solvents for the optimization of morphology in solution-processed, inverted-type perovskite/fullerene hybrid solar cells. Nanoscale, 2014, 6, 6679.	2.8	275
160	Replacing the metal oxide layer with a polymer surface modifier for high-performance inverted polymer solar cells. RSC Advances, 2014, 4, 4791-4795.	1.7	34
161	Synthesis of PCDTBT-Based Fluorinated Polymers for High Open-Circuit Voltage in Organic Photovoltaics: Towards an Understanding of Relationships between Polymer Energy Levels Engineering and Ideal Morphology Control. ACS Applied Materials & Interfaces, 2014, 6, 7523-7534.	4.0	88
162	Cesium-doped methylammonium lead iodide perovskite light absorber for hybrid solar cells. Nano Energy, 2014, 7, 80-85.	8.2	459

#	Article	IF	Citations
163	Inverted Colloidal Quantum Dot Solar Cells. Advanced Materials, 2014, 26, 3321-3327.	11.1	59
164	Graphene Oxide Nanoribbon as Hole Extraction Layer to Enhance Efficiency and Stability of Polymer Solar Cells. Advanced Materials, 2014, 26, 786-790.	11.1	102
165	Correlation between Polymer Structure and Polymer:Fullerene Blend Morphology and Its Implications for High Performance Polymer Solar Cells. Journal of Physical Chemistry C, 2014, 118, 2237-2244.	1.5	14
166	Synthesis of fluorinated analogues of a practical polymer TQ for improved open-circuit voltages in polymer solar cells. Polymer Chemistry, 2014, 5, 2540.	1.9	40
167	Enhanced performance of polymer bulk heterojunction solar cells employing multifunctional iridium complexes. Journal of Materials Chemistry C, 2014, 2, 10195-10200.	2.7	18
168	High-yield synthesis of single-crystal silicon nanoparticles as anode materials of lithium ion batteries via photosensitizer-assisted laser pyrolysis. Journal of Materials Chemistry A, 2014, 2, 18070-18075.	5.2	32
169	Size tailoring of aqueous germanium nanoparticle dispersions. Nanoscale, 2014, 6, 10156-10160.	2.8	21
170	Simultaneous Enhancement of Solar Cell Efficiency and Photostability via Chemical Tuning of Electron Donating Units in Diketopyrrolopyrrole-Based Pushâ€"Pull Type Polymers. Macromolecules, 2014, 47, 6270-6280.	2.2	37
171	Boosting the Power Conversion Efficiency of Perovskite Solar Cells Using Selfâ€Organized Polymeric Hole Extraction Layers with High Work Function. Advanced Materials, 2014, 26, 6461-6466.	11.1	321
172	Semicrystalline Dâ€"A Copolymers with Different Chain Curvature for Applications in Polymer Optoelectronic Devices. Macromolecules, 2014, 47, 1604-1612.	2.2	95
173	Silicon nanoparticle size-dependent open circuit voltage in an organicâ€"inorganic hybrid solar cell. Current Applied Physics, 2014, 14, 127-131.	1.1	12
174	Effect of asymmetric solubility of diketopyrrolopyrrole-based polymers and PC71BMs in a binary solvent system on the performance of bulk heterojunction solar cells. Solar Energy Materials and Solar Cells, 2014, 124, 232-240.	3.0	10
175	Solution-processed CdS transistors with high electron mobility. RSC Advances, 2014, 4, 3153-3157.	1.7	19
176	Vapor Coating Method Using Small-Molecule Organic Surface Modifiers to Replace N-Type Metal Oxide Layers in Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 6504-6509.	4.0	4
177	Nanoscopic Management of Molecular Packing and Orientation of Small Molecules by a Combination of Linear and Branched Alkyl Side Chains. ACS Nano, 2014, 8, 5988-6003.	7.3	52
178	Triple-Junction Hybrid Tandem Solar Cells with Amorphous Silicon and Polymer-Fullerene Blends. Scientific Reports, 2014, 4, 7154.	1.6	19
179	Versatile surface plasmon resonance of carbon-dot-supported silver nanoparticles in polymer optoelectronic devices. Nature Photonics, 2013, 7, 732-738.	15.6	501
180	Synthesis of the novel 2,2-bithiophene-3,3-dicarboximide-based conjugated copolymers for OPVs. Synthetic Metals, 2013, 177, 65-71.	2.1	8

#	Article	IF	Citations
181	Enhanced Efficiency of Single and Tandem Organic Solar Cells Incorporating a Diketopyrrolopyrroleâ€Based Lowâ€Bandgap Polymer by Utilizing Combined ZnO/Polyelectrolyte Electronâ€Transport Layers. Advanced Materials, 2013, 25, 4783-4788.	11.1	111
182	25th Anniversary Article: Colloidal Quantum Dot Materials and Devices: A Quarterâ€Century of Advances. Advanced Materials, 2013, 25, 4986-5010.	11.1	419
183	Acid-functionalized fullerenes used as interfacial layer materials in inverted polymer solar cells. Organic Electronics, 2013, 14, 3138-3145.	1.4	25
184	Low bandgap small molecules based on 2,2-bithiophene-3,3-dicarboximide for soluble-processed solar cells. Synthetic Metals, 2013, 183, 16-23.	2.1	7
185	A hybrid solar cell fabricated using amorphous silicon and a fullerene derivative. Physical Chemistry Chemical Physics, 2013, 15, 19913.	1.3	7
186	Pyrrolo[3,2-b]pyrrole based small molecules as donor materials for OPVs. Solar Energy Materials and Solar Cells, 2013, 112, 120-126.	3.0	10
187	Reversed organicâ€“inorganic hybrid tandem solar cells for improved interfacial series resistances and balanced photocurrents. Synthetic Metals, 2013, 175, 103-107.	2.1	8
188	Self-Assembled, Nanowire Network Electrodes for Depleted Bulk Heterojunction Solar Cells (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	5
189	High-efficiency polymer solar cells with a cost-effective quinoxaline polymer through nanoscale morphology control induced by practical processing additives. Energy and Environmental Science, 2013, 6, 1909.	15.6	137
190	Highly Efficient Red-Emitting Hybrid Polymer Light-Emitting Diodes via FÃ¶rster Resonance Energy Transfer Based on Homogeneous Polymer Blends with the Same Polyfluorene Backbone. ACS Applied Materials & Interfaces, 2013, 5, 5690-5695.	4.0	35
191	Effects of Ionic Liquid Molecules in Hybrid PbS Quantum Dotâ€“Organic Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 1757-1760.	4.0	39
192	Highly efficient plasmonic organic optoelectronic devices based on a conducting polymer electrode incorporated with silver nanoparticles. Energy and Environmental Science, 2013, 6, 1949.	15.6	69
193	Multipositional Silica-Coated Silver Nanoparticles for High-Performance Polymer Solar Cells. Nano Letters, 2013, 13, 2204-2208.	4.5	244
194	Synthesis of a conjugated copolymer with benzodithiophene and benzimidazole units. Polymer Journal, 2013, 45, 555-559.	1.3	1
195	Dithieno[3,2â€b:2â€²,3â€²â€d]pyrrole and Benzothiadiazoleâ€Based Semicrystalline Copolymer for Photovoltaic Devices with Indeneâ€C₆₀ Bisadduct. Macromolecular Chemistry and Physics, 2013, 214, 2083-2090.	1.1	7
196	Fabrication of Water Soluble Conjugated Polymers for WOLED. Molecular Crystals and Liquid Crystals, 2012, 567, 171-177.	0.4	0
197	Observation of ambipolar field-effect behavior in donorâ€“acceptor conjugated copolymers. Journal of Materials Chemistry, 2012, 22, 21238.	6.7	12
198	Easily Attainable Phenothiazine-Based Polymers for Polymer Solar Cells: Advantage of Insertion of S,S-dioxides into its Polymer for Inverted Structure Solar Cells. Macromolecules, 2012, 45, 1847-1857.	2.2	52

#	Article	IF	Citations
199	A Selenophene Analogue of PCDTBT: Selective Fine-Tuning of LUMO to Lower of the Bandgap for Efficient Polymer Solar Cells. Macromolecules, 2012, 45, 8658-8664.	2.2	110
200	Synthesis and photovoltaic properties of copolymers based on 2,2-(1,5-pentamethylene)-2H-benzimidazole. Synthetic Metals, 2012, 162, 225-230.	2.1	8
201	Multifunctional quinoxaline containing small molecules with multiple electron-donating moieties: Solvatochromic and optoelectronic properties. Synthetic Metals, 2012, 162, 1169-1176.	2.1	31
202	Synthesis and characterization of a bis-methanofullerene-4-nitro-Î±-cyanostilbene dyad as a potential acceptor for high-performance polymer solar cells. Tetrahedron, 2012, 68, 6696-6700.	1.0	25
203	Replacing 2,1,3-benzothiadiazole with 2,1,3-naphthothiadiazole in PCDTBT: towards a low bandgap polymer with deep HOMO energy level. Polymer Chemistry, 2012, 3, 3276.	1.9	27
204	Synthesis of the pyrrolo[3,2-b]pyrrole-based copolymer with enhanced open circuit voltage. Synthetic Metals, 2012, 162, 2288-2293.	2.1	13
205	Highly Efficient Polymer Light-Emitting Diodes Using Graphene Oxide as a Hole Transport Layer. ACS Nano, 2012, 6, 2984-2991.	7.3	127
206	Molecular engineering of conjugated polymers for solar cells and fieldâ€effect transistors: Sideâ€chain versus mainâ€chain electron acceptors. Journal of Polymer Science Part A, 2012, 50, 271-279.	2.5	6
207	2,5-di(thiophen-2-yl)thiazolo[5,4-d]thiazole-based donorâ€“acceptor type copolymers for photovoltaic cells. Current Applied Physics, 2012, 12, 11-16.	1.1	12
208	Photovoltaic performance of bifunctional low band gap conjugated copolymer. Current Applied Physics, 2012, 12, 531-533.	1.1	2
209	A simultaneous achievement of high performance and extended thermal stability of bulk-heterojunction polymer solar cells using a polythiopheneâ€“fullerene block copolymer. Solar Energy Materials and Solar Cells, 2012, 104, 7-12.	3.0	8
210	Efficient Conventionalâ€•and Invertedâ€Type Photovoltaic Cells Using a Planar Alternating Polythiophene Copolymer. Chemistry - A European Journal, 2012, 18, 2551-2558.	1.7	61
211	Toward the Realization of A Practical Diketopyrrolopyrroleâ€Based Small Molecule for Improved Efficiency in Ternary BHJ Solar Cells. Macromolecular Rapid Communications, 2012, 33, 140-145.	2.0	39
212	Highly Crystalline and Low Bandgap Donor Polymers for Efficient Polymer Solar Cells. Advanced Materials, 2012, 24, 538-542.	11.1	53
213	A synthetic approach to a fullerene-rich dendron and its linear polymer via ring-opening metathesis polymerization. Chemical Communications, 2011, 47, 3078.	2.2	40
214	Fabrication of gold dot, ring, and corpuscle arrays from block copolymer templates via a simple modification of surface energy. Nanoscale, 2011, 3, 5007.	2.8	25
215	Highly controllable transparent and conducting thin films using layer-by-layer assembly of oppositely charged reduced graphene oxides. Journal of Materials Chemistry, 2011, 21, 3438-3442.	6.7	194
216	Surface modification of metal oxide using ionic liquid molecules in hybrid organicâ€“inorganic optoelectronic devices. Journal of Materials Chemistry, 2011, 21, 2051.	6.7	93

#	Article	IF	Citations
217	Ladder-type heteroacenepolymers bearing carbazole and thiophene ring units and their use in field-effect transistors and photovoltaic cells. Journal of Materials Chemistry, 2011, 21, 843-850.	6.7	48
218	Reduced Graphene Oxide (rGO)-Wrapped Fullerene (C₆₀) Wires. ACS Nano, 2011, 5, 8365-8371.	7.3	63
219	Synthesis and photovoltaic properties of conjugated copolymers based on benzimidazole and various thiophene. Journal of Polymer Science Part A, 2011, 49, 3751-3758.	2.5	4
220	Multifunctional Conjugated Polymers with Mainâ€Chain Donors and Sideâ€Chain Acceptors for Dye Sensitized Solar Cells (DSSCs) and Organic Photovoltaic Cells (OPVs). Macromolecular Rapid Communications, 2011, 32, 1809-1814.	2.0	16
221	Combination of Titanium Oxide and a Conjugated Polyelectrolyte for Highâ€Performance Invertedâ€Type Organic Optoelectronic Devices. Advanced Materials, 2011, 23, 2759-2763.	11.1	242
222	Highâ€Performance Organic Optoelectronic Devices Enhanced by Surface Plasmon Resonance. Advanced Materials, 2011, 23, 5689-5693.	11.1	152
223	Copolymers Comprising 2,7â€Carbazole and Bisâ€benzothiadiazole Units for Bulkâ€Heterojunction Solar Cells. Chemistry - A European Journal, 2011, 17, 14681-14688.	1.7	27
224	The effect of introducing a buffer layer to polymer solar cells on cell efficiency. Solar Energy Materials and Solar Cells, 2011, 95, 1119-1122.	3.0	37
225	High performance polymer light-emitting diodes with N-type metal oxide/conjugated polyelectrolyte hybrid charge transport layers. Applied Physics Letters, 2011, 99, 163305.	1.5	38
226	Hybrid organic-inorganic light-emitting electrochemical cells using fluorescent polymer and ionic liquid blend as an active layer. Applied Physics Letters, 2011, 98, 253309.	1.5	18
227	A First Approach to White Organic Electroluminescence Device from a Single Rodâ€Coil Poly[thiopheneâ€blockâ€(Nâ€vinylcarbazole)] Diblock Copolymer. Macromolecular Rapid Communications, 2010, 31, 2047-2052.	2.0	24
228	Macromol. Rapid Commun. 23/2010. Macromolecular Rapid Communications, 2010, 31, .	2.0	0
229	Synthesis and characterization of fluorene-carbazole and fluorene-phenothiazine copolymers with carbazole and oxadiazole pendants for organic light emitting diodes. Polymer, 2010, 51, 6174-6181.	1.8	18
230	Towards optimization of P3HT:bisPCBM composites for highly efficient polymer solar cells. Journal of Materials Chemistry, 2010, 20, 7710.	6.7	31
231	Enhanced open circuit voltage by hydrophilic ionic liquids as buffer layer in conjugated polymerâ€“nanoporous titania hybrid solar cells. Physical Chemistry Chemical Physics, 2010, 12, 15309.	1.3	23
232	Improved performance of polymer light-emitting diodes with nanocomposites. Applied Physics Letters, 2009, 94, .	1.5	19
233	Synthesis and properties of polyfluorene, containing oxadiazole and carbazole units as pendants for white light-emitting diodes. Thin Solid Films, 2008, 516, 7373-7380.	0.8	11
234	The influence of tetrakis-ethylhexyloxy groups substituted in PPV derivative for PLEDs. Polymer, 2008, 49, 467-473.	1.8	14

#	Article	IF	Citations
235	Stabilized Polymers with Novel Indenoindene Backbone against Photodegradation for LEDs and Solar Cells. Macromolecules, 2008, 41, 7296-7305.	2.2	70
236	Functionalized Methanofullerenes Used as n-Type Materials in Bulk-Heterojunction Polymer Solar Cells and in Field-Effect Transistors. Journal of the American Chemical Society, 2008, 130, 6444-6450.	6.6	208
237	Processing Additives for Improved Efficiency from Bulk Heterojunction Solar Cells. Journal of the American Chemical Society, 2008, 130, 3619-3623.	6.6	1,511
238	Bulk Heterojunction Materials Composed of Poly(2,5-bis(3-tetradecylthiophen-2-yl)thieno[3,2-b]thiophene): Ultrafast Electron Transfer and Carrier Recombination. Journal of Physical Chemistry C, 2008, 112, 7853-7857.	1.5	44
239	Carrier generation and transport in bulk heterojunction films processed with 1,8-octanedithiol as a processing additive. Journal of Applied Physics, 2008, 104, .	1.1	78
240	Multilayer bipolar field-effect transistors. Applied Physics Letters, 2008, 92, 063505.	1.5	31
241	Improved electron injection in polymer light-emitting diodes using anionic conjugated polyelectrolyte. Applied Physics Letters, 2008, 93, .	1.5	34
242	The color tuning of PPV derivative by substituted tetrakis-ethylhexyloxy groups. , 2008, , .		1
243	Photovoltaic effects on the organic ambipolar field-effect transistors. Applied Physics Letters, 2007, 90, 063511.	1.5	34
244	Effect of the Molecular Weight of Poly(3â€hexylthiophene) on the Morphology and Performance of Polymer Bulk Heterojunction Solar Cells. Macromolecular Rapid Communications, 2007, 28, 1776-1780.	2.0	226
245	Efficient Tandem Polymer Solar Cells Fabricated by All-Solution Processing. Science, 2007, 317, 222-225.	6.0	3,142
246	Ambipolar organic field-effect transistors fabricated using a composite of semiconducting polymer and soluble fullerene. Applied Physics Letters, 2006, 89, 153505.	1.5	56
247	Synthesis of a New Cross-Linkable Perfluorocyclobutane-Based Hole-Transport Material. Organic Letters, 2006, 8, 4703-4706.	2.4	73
248	New architecture for high-efficiency polymer photovoltaic cells using solution-based titanium oxide layer. , 2006, , .		7
249	Syntheses and properties of electroluminescent polyfluorene-based conjugated polymers, containing oxadiazole and carbazole units as pendants, for LEDs. Polymer, 2005, 46, 12158-12165.	1.8	57
250	New architecture for thermally stable high efficiency polymer solar cells. , 2005, 5938, 34.		0
251	Electroluminescence in polymer-fullerene photovoltaic cells. Applied Physics Letters, 2005, 86, 183502.	1.5	67
252	Stabilized Blue Emission from Organic Light-Emitting Diodes Using Poly(2,6-(4,4-bis(2-ethylhexyl)-4H-cyclopenta[def]phenanthrene)). Macromolecules, 2005, 38, 6285-6289.	2.2	70

#	Article	IF	Citations
253	Novel Electroluminescent Polymers with Fluoro Groups in Vinylene Units. Macromolecules, 2004, 37, 6711-6715.	2.2	63
254	Optical spectroscopic characterization of plasma-polymerized thin films. Thin Solid Films, 2003, 423, 131-135.	0.8	7
255	Design, Synthesis, and Electroluminescent Property of CNâˆ'Poly(dihexylfluorenevinylene) for LEDs. Macromolecules, 2003, 36, 6970-6975.	2.2	71
256	Synthesis and Electroluminescence Properties of Poly(9,9-di-n-octylfluorenyl-2,7-vinylene) Derivatives for Light-Emitting Displayâ€. Macromolecules, 2003, 36, 3841-3847.	2.2	85
257	Substituent position-induced color tunability in polymer light-emitting diodes. Applied Physics Letters, 2002, 81, 1732-1734.	1.5	3
258	Color-Tunable Electroluminescent Polymers by Substitutents on the Poly(p-phenylenevinylene) Derivatives for Light-Emitting Diodes. Chemistry of Materials, 2002, 14, 5090-5097.	3.2	37
259	Poly(fluorenevinylene) Derivative by Gilch Polymerization for Light-Emitting Diode Applications. Macromolecules, 2002, 35, 7532-7534.	2.2	119
260	Organic photovoltaic cells based on conjugated polymer/fullerene composites. Current Applied Physics, 2001, 1, 139-143.	1.1	36
261	How Heteroatom Substitution in Donorâ€"Acceptor Copolymers Affects Excitonic and Charge Photogeneration Processes in Organic Photovoltaic Cells. Journal of Physical Chemistry C, 0, , .	1.5	2