Yiwang Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

		13068	24915
577	21,347	68	109
papers	citations	h-index	g-index

583	583	583	19014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. Journal of the American Chemical Society, 2020, 142, 2404-2412.	6.6	680
2	Polymeric AIE-based nanoprobes for biomedical applications: recent advances and perspectives. Nanoscale, 2015, 7, 11486-11508.	2.8	485
3	Dithienopicenocarbazole-Based Acceptors for Efficient Organic Solar Cells with Optoelectronic Response Over 1000 nm and an Extremely Low Energy Loss. Journal of the American Chemical Society, 2018, 140, 2054-2057.	6.6	369
4	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	4.2	349
5	Recent Progress on the Longâ€Term Stability of Perovskite Solar Cells. Advanced Science, 2018, 5, 1700387.	5.6	348
6	Synergetic Contribution of Boron and Feâ€“N_x Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. ACS Energy Letters, 2018, 3, 252-260.	8.8	269
7	Fabrication of aggregation induced emission dye-based fluorescent organic nanoparticles via emulsion polymerization and their cell imaging applications. Polymer Chemistry, 2014, 5, 399-404.	1.9	229
8	Polymerizable aggregation-induced emission dye-based fluorescent nanoparticles for cell imaging applications. Polymer Chemistry, 2014, 5, 356-360.	1.9	216
9	Highâ€Performance Perovskite Solar Cells with Excellent Humidity and Thermoâ€Stability via Fluorinated Perylenediimide. Advanced Energy Materials, 2019, 9, 1900198.	10.2	205
10	Highly Efficient Organic Solar Cells Based on S,N-Heteroacene Non-Fullerene Acceptors. Chemistry of Materials, 2018, 30, 5429-5434.	3.2	194
11	When Al-Doped Cobalt Sulfide Nanosheets Meet Nickel Nanotube Arrays: A Highly Efficient and Stable Cathode for Asymmetric Supercapacitors. ACS Nano, 2018, 12, 3030-3041.	7.3	185
12	Nucleation and Crystallization Control via Polyurethane to Enhance the Bendability of Perovskite Solar Cells with Excellent Device Performance. Advanced Functional Materials, 2017, 27, 1703061.	7.8	175
13	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. Joule, 2019, 3, 2205-2218.	11.7	175
14	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016.	5.8	173
15	Photonic Nanostructures Patterned by Thermal Nanoimprint Directly into Organoâ€Metal Halide Perovskites. Advanced Materials, 2017, 29, 1605003.	11.1	170
16	Non-halogenated solvents for environmentally friendly processing of high-performance bulk-heterojunction polymer solar cells. Energy and Environmental Science, 2013, 6, 3241.	15.6	168
17	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. Chemistry of Materials, 2015, 27, 7403-7411.	3.2	164
18	Asymmetric Acceptors with Fluorine and Chlorine Substitution for Organic Solar Cells toward 16.83% Efficiency. Advanced Functional Materials, 2020, 30, 2000456.	7.8	164

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19	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	4.2	157
20	Wearable Largeâ€Scale Perovskite Solarâ€Power Source via Nanocellular Scaffold. Advanced Materials, 2017, 29, 1703236.	11.1	152
21	Straightforward Generation of Pillared, Microporous Graphene Frameworks for Use in Supercapacitors. Advanced Materials, 2015, 27, 6714-6721.	11.1	137
22	Enhanced Hole Transportation for Inverted Tinâ€Based Perovskite Solar Cells with High Performance and Stability. Advanced Functional Materials, 2019, 29, 1808059.	7.8	133
23	Highly Efficient Inverted Organic Solar Cells Through Material and Interfacial Engineering of Indacenodithieno[3,2â€b]thiopheneâ€Based Polymers and Devices. Advanced Functional Materials, 2014, 24, 1465-1473.	7.8	132
24	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 6858-6863.	7.2	127
25	Poly(vinylidene fluoride) with Grafted Poly(ethylene glycol) Side Chains via the RAFT-Mediated Process and Pore Size Control of the Copolymer Membranes. Macromolecules, 2003, 36, 9451-9457.	2.2	123
26	Stretchable Perovskite Solar Cells with Recoverable Performance. Angewandte Chemie - International Edition, 2020, 59, 16602-16608.	7.2	122
27	A label-free amperometric immunosensor based on biocompatible conductive redox chitosan-ferrocene/gold nanoparticles matrix. Biosensors and Bioelectronics, 2009, 25, 852-857.	5.3	121
28	A General Electrodeposition Strategy for Fabricating Ultrathin Nickel Cobalt Phosphate Nanosheets with Ultrahigh Capacity and Rate Performance. ACS Nano, 2020, 14, 14201-14211.	7.3	120
29	A General Route to Enhance Polymer Solar Cell Performance using Plasmonic Nanoprisms. Advanced Energy Materials, 2014, 4, 1400206.	10.2	118
30	Controlling Crystal Growth via an Autonomously Longitudinal Scaffold for Planar Perovskite Solar Cells. Advanced Materials, 2020, 32, e2000617.	11.1	118
31	An Electron Acceptor with Broad Visibleâ€“NIR Absorption and Unique Solid State Packing for Asâ€Cast High Performance Binary Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1802324.	7.8	116
32	Grain Boundary Modification via F4TCNQ To Reduce Defects of Perovskite Solar Cells with Excellent Device Performance. ACS Applied Materials & Interfaces, 2018, 10, 1909-1916.	4.0	115
33	Dyeâ€Incorporated Polynaphthalenediimide Acceptor for Additiveâ€Free Highâ€Performance Allâ€Polymer Solar Cells. Angewandte Chemie - International Edition, 2018, 57, 4580-4584.	7.2	114
34	A General Approach for Labâ€toâ€Manufacturing Translation on Flexible Organic Solar Cells. Advanced Materials, 2019, 31, e1903649.	11.1	114
35	Nacre-inspired crystallization and elastic â€œbrick-and-mortarâ€•structure for a wearable perovskite solar module. Energy and Environmental Science, 2019, 12, 979-987.	15.6	114
36	Atom transfer radical polymerization directly from poly(vinylidene fluoride): Surface and antifouling properties. Journal of Polymer Science Part A, 2006, 44, 3434-3443.	2.5	113

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37	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. Polymer Chemistry, 2013, 4, 4317.	1.9	113
38	Highâ€Performance Semitransparent Ternary Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1800627.	7.8	109
39	A Facile approach to NiCoO₂ intimately standing on nitrogen doped graphene sheets by one-step hydrothermal synthesis for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 7121-7131.	5.2	106
40	Revealing Morphology Evolution in Highly Efficient Bulk Heterojunction and Pseudoâ€Planar Heterojunction Solar Cells by Additives Treatment. Advanced Energy Materials, 2021, 11, 2003390.	10.2	106
41	A fully bio-based waterborne polyurethane dispersion from vegetable oils: From synthesis of precursors by thiol-ene reaction to study of final material. Progress in Organic Coatings, 2014, 77, 53-60.	1.9	102
42	Hole transport layers for organic solar cells: recent progress and prospects. Journal of Materials Chemistry A, 2020, 8, 11478-11492.	5.2	99
43	Simultaneously Integrating Single Atomic Cobalt Sites and Co₉S₈ Nanoparticles into Hollow Carbon Nanotubes as Trifunctional Electrocatalysts for Znâ€“Air Batteries to Drive Water Splitting. Small, 2020, 16, e1906735.	5.2	98
44	PEGylation and cell imaging applications of AIE based fluorescent organic nanoparticles via ring-opening reaction. Polymer Chemistry, 2014, 5, 689-693.	1.9	97
45	Alcohol-Soluble n-Type Conjugated Polyelectrolyte as Electron Transport Layer for Polymer Solar Cells. Macromolecules, 2015, 48, 5578-5586.	2.2	97
46	Manipulating the Interlayer Spacing of 3D MXenes with Improved Stability and Zincâ€Ion Storage Capability. Advanced Functional Materials, 2022, 32, 2109524.	7.8	97
47	Regulated Crystallization of Efficient and Stable Tin-Based Perovskite Solar Cells via a Self-Sealing Polymer. ACS Applied Materials & Interfaces, 2020, 12, 14049-14056.	4.0	95
48	Acetic Acidâ€Assisted Synergistic Modulation of Crystallization Kinetics and Inhibition of Sn²⁺ Oxidation in Tinâ€Based Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, 2109631.	7.8	95
49	Tetrafluoroquinoxaline based polymers for non-fullerene polymer solar cells with efficiency over 9%. Nano Energy, 2016, 30, 312-320.	8.2	94
50	Thermal Conductivity of Methylammonium Lead Halide Perovskite Single Crystals and Thin Films: A Comparative Study. Journal of Physical Chemistry C, 2017, 121, 28306-28311.	1.5	93
51	Controlled grafting from poly(vinylidene fluoride) microfiltration membranes via reverse atom transfer radical polymerization and antifouling properties. Polymer, 2007, 48, 7604-7613.	1.8	90
52	Wide Voltage Aqueous Asymmetric Supercapacitors: Advances, Strategies, and Challenges. Advanced Functional Materials, 2022, 32, 2108107.	7.8	90
53	Waterâ€Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. Advanced Functional Materials, 2019, 29, 1902629.	7.8	89
54	Highâ€Performance Pseudoplanar Heterojunction Ternary Organic Solar Cells with Nonfullerene Alloyed Acceptor. Advanced Functional Materials, 2020, 30, 1909760.	7.8	89

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55	Indiumâ€Free Perovskite Solar Cells Enabled by Impermeable Tinâ€Oxide Electron Extraction Layers. Advanced Materials, 2017, 29, 1606656.	11.1	88
56	Miscibility Tuning for Optimizing Phase Separation and Vertical Distribution toward Highly Efficient Organic Solar Cells. Advanced Science, 2019, 6, 1900565.	5.6	87
57	High Energy and Power Zinc Ion Capacitors: A Dual-Ion Adsorption and Reversible Chemical Adsorption Coupling Mechanism. ACS Nano, 2022, 16, 2877-2888.	7.3	87
58	Efficiency and Air-Stability Improvement of Flexible Inverted Polymer Solar Cells Using ZnO/Poly(ethylene glycol) Hybrids as Cathode Buffer Layers. ACS Applied Materials & Interfaces, 2013, 5, 5763-5770.	4.0	85
59	Engineering the Morphology of Carbon Materials: 2D Porous Carbon Nanosheets for Highâ€Performance Supercapacitors. ChemElectroChem, 2016, 3, 822-828.	1.7	85
60	Large-Scale Flexible and Highly Conductive Carbon Transparent Electrodes via Roll-to-Roll Process and Its High Performance Lab-Scale Indium Tin Oxide-Free Polymer Solar Cells. Chemistry of Materials, 2014, 26, 6293-6302.	3.2	83
61	Enhancing the grain size of organic halide perovskites by sulfonate-carbon nanotube incorporation in high performance perovskite solar cells. Chemical Communications, 2016, 52, 5674-5677.	2.2	77
62	Vertical Stratification Engineering for Organic Bulk-Heterojunction Devices. ACS Nano, 2018, 12, 4440-4452.	7.3	77
63	Distributed Feedback Lasers Based on MAPbBr₃. Advanced Materials Technologies, 2018, 3, 1700253.	3.0	77
64	Recent Developments of Microenvironment Engineering of Singleâ€Atom Catalysts for Oxygen Reduction toward Desired Activity and Selectivity. Advanced Functional Materials, 2021, 31, 2103857.	7.8	77
65	Hierarchical nickel cobalt sulfide nanosheet on MOF-derived carbon nanowall arrays with remarkable supercapacitive performance. Carbon, 2019, 147, 146-153.	5.4	75
66	Coaxial electrospun free-standing and mechanically stable hierarchical porous carbon nanofiber membranes for flexible supercapacitors. Carbon, 2020, 160, 80-87.	5.4	75
67	Elimination of Interfacial Lattice Mismatch and Detrimental Reaction by Selfâ€Assembled Layer Dualâ€Passivation for Efficient and Stable Inverted Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	10.2	75
68	New approach to nanocomposites of polyimides containing polyhedral oligomeric silsesquioxane for dielectric applications. Materials Letters, 2004, 58, 3716-3719.	1.3	74
69	Breaking the Scaling Relationship Limit: From Single-Atom to Dual-Atom Catalysts. Accounts of Materials Research, 2022, 3, 584-596.	5.9	73
70	Optimizing Microenvironment of Asymmetric N,Sâ€Coordinated Singleâ€Atom Fe via Axial Fifth Coordination toward Efficient Oxygen Electroreduction. Small, 2022, 18, e2105387.	5.2	72
71	Simultaneously Integrate Iron Single Atom and Nanocluster Triggered Tandem Effect for Boosting Oxygen Electroreduction. Small, 2022, 18, e2107225.	5.2	72
72	Preparation of Hollow Silica Nanospheres by Surface-Initiated Atom Transfer Radical Polymerization on Polymer Latex Templates. Advanced Functional Materials, 2005, 15, 113-117.	7.8	71

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73	A Terminally Tetrafluorinated Nonfullerene Acceptor for Wellâ€Performing Alloy Ternary Solar Cells. Advanced Functional Materials, 2019, 29, 1805872.	7.8	70
74	Flexible, hole transporting layer-free and stable CH 3 NH 3 PbI 3 /PC 61 BM planar heterojunction perovskite solar cells. Organic Electronics, 2016, 30, 281-288.	1.4	69
75	Large-Scale Stretchable Semiembedded Copper Nanowire Transparent Conductive Films by an Electrospinning Template. ACS Applied Materials & Interfaces, 2017, 9, 26468-26475.	4.0	69
76	Molecular crowding agents engineered to make bioinspired electrolytes for high-voltage aqueous supercapacitors. EScience, 2021, 1, 83-90.	25.0	69
77	Advancements in organic small molecule hole-transporting materials for perovskite solar cells: past and future. Journal of Materials Chemistry A, 2022, 10, 5044-5081.	5.2	69
78	Highâ€Efficiency (16.93%) Pseudoâ€Planar Heterojunction Organic Solar Cells Enabled by Binary Additives Strategy. Advanced Functional Materials, 2021, 31, 2102291.	7.8	68
79	Diammonium Molecular Configurationâ€Induced Regulation of Crystal Orientation and Carrier Dynamics for Highly Efficient and Stable 2D/3D Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	68
80	Preparation and characterization of electrospun PLGA/gelatin nanofibers as a drug delivery system by emulsion electrospinning. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 972-985.	1.9	67
81	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. RSC Advances, 2013, 3, 21817.	1.7	67
82	Covalent Connection of Polyaniline with MoS₂ Nanosheets toward Ultrahigh Rate Capability Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 11540-11549.	3.2	66
83	Nonhalogen Solventâ€Processed Asymmetric Wideâ€Bandgap Polymers for Nonfullerene Organic Solar Cells with Over 10% Efficiency. Advanced Functional Materials, 2018, 28, 1706517.	7.8	65
84	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. Advanced Functional Materials, 2020, 30, 1908613.	7.8	65
85	Novel approach toward poly(butylene succinate)/single-walled carbon nanotubes nanocomposites with interfacial-induced crystallization behaviors and mechanical strength. Polymer, 2011, 52, 3587-3596.	1.8	64
86	A comprehensive study of sulfonated carbon materials as conductive composites for polymer solar cells. Physical Chemistry Chemical Physics, 2015, 17, 4137-4145.	1.3	64
87	Nickel(II) Complexes with Three-Dimensional Geometry Î±-Diimine Ligands: Synthesis and Catalytic Activity toward Copolymerization of Norbornene. Organometallics, 2013, 32, 2291-2299.	1.1	63
88	Aggregation-induced emission dye based luminescent silica nanoparticles: facile preparation, biocompatibility evaluation and cell imaging applications. RSC Advances, 2014, 4, 10060.	1.7	62
89	Nitrogen-doped porous carbon/graphene nanosheets derived from two-dimensional conjugated microporous polymer sandwiches with promising capacitive performance. Materials Chemistry Frontiers, 2017, 1, 278-285.	3.2	62
90	Coupling of EDLC and the reversible redox reaction: oxygen functionalized porous carbon nanosheets for zinc-ion hybrid supercapacitors. Journal of Materials Chemistry A, 2021, 9, 15404-15414.	5.2	62

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91	Inhibiting excessive molecular aggregation to achieve highly efficient and stabilized organic solar cells by introducing a star-shaped nitrogen heterocyclic-ring acceptor. Energy and Environmental Science, 2022, 15, 384-394.	15.6	62
92	Cerium oxide as an efficient electron extraction layer for pâ€“iâ€“n structured perovskite solar cells. Chemical Communications, 2018, 54, 471-474.	2.2	61
93	Hierarchical Nanosheets/Walls Structured Carbonâ€Coated Porous Vanadium Nitride Anodes Enable Wideâ€Voltageâ€Window Aqueous Asymmetric Supercapacitors with High Energy Density. Advanced Science, 2019, 6, 1900550.	5.6	61
94	Toward Scalable PbS Quantum Dot Solar Cells Using a Tailored Polymeric Hole Conductor. ACS Energy Letters, 2019, 4, 2850-2858.	8.8	61
95	Fluorobenzotriazole (FTAZ)â€Based Polymer Donor Enables Organic Solar Cells Exceeding 12% Efficiency. Advanced Functional Materials, 2019, 29, 1808828.	7.8	61
96	Molecular Control of Carbonâ€Based Oxygen Reduction Electrocatalysts through Metal Macrocyclic Complexes Functionalization. Advanced Energy Materials, 2021, 11, 2100866.	10.2	60
97	Solventâ€Assisted Lowâ€Temperature Crystallization of SnO₂ Electronâ€Transfer Layer for Highâ€Efficiency Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900557.	7.8	59
98	Co₃O₄ Supraparticleâ€Based Bubble Nanofiber and Bubble Nanosheet with Remarkable Electrochemical Performance. Advanced Science, 2019, 6, 1900107.	5.6	59
99	Recent advances of computational chemistry in organic solar cell research. Journal of Materials Chemistry C, 2020, 8, 15920-15939.	2.7	59
100	Printable and Largeâ€Area Organic Solar Cells Enabled by a Ternary Pseudoâ€Planar Heterojunction Strategy. Advanced Functional Materials, 2020, 30, 2003223.	7.8	59
101	Construction of facile ion and electron diffusion by hierarchical core-branch Zn substituted Niâ€“Coâ€“S nanocomposite for high-performance asymmetric supercapacitors. Carbon, 2019, 153, 531-538.	5.4	58
102	Engineering efficient bifunctional electrocatalysts for rechargeable zincâ€“air batteries by confining Feâ€“Coâ€“Ni nanoalloys in nitrogen-doped carbon nanotube@nanosheet frameworks. Journal of Materials Chemistry A, 2020, 8, 25919-25930.	5.2	58
103	Allâ€Green Solventâ€Processed Planar Heterojunction Organic Solar Cells with Outstanding Power Conversion Efficiency of 16%. Advanced Functional Materials, 2022, 32, 2107567.	7.8	58
104	Controlled grafting from poly(vinylidene fluoride) films by surface-initiated reversible additionâ€“fragmentation chain transfer polymerization. Journal of Polymer Science Part A, 2006, 44, 3071-3082.	2.5	57
105	Structure and photoluminescence of Mgâ€“Alâ€“Eu ternary hydrotalcite-like layered double hydroxides. Journal of Solid State Chemistry, 2010, 183, 2222-2226.	1.4	57
106	Self-Organized Hole Transport Layers Based on Polythiophene Diblock Copolymers for Inverted Organic Solar Cells with High Efficiency. Chemistry of Materials, 2013, 25, 897-904.	3.2	57
107	Covalently Sandwiching MXene by Conjugated Microporous Polymers with Excellent Stability for Supercapacitors. Small Methods, 2020, 4, 2000434.	4.6	57
108	Preparation of efficient inverted tin-based perovskite solar cells via the bidentate coordination effect of 8-hydroxyquinoline. Chemical Communications, 2020, 56, 4007-4010.	2.2	56

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109	Triple Dipole Effect from Selfâ€Assembled Smallâ€Molecules for High Performance Organic Photovoltaics. Advanced Materials, 2016, 28, 4852-4860.	11.1	55
110	Amphiphilic Fullerenes Employed to Improve the Quality of Perovskite Films and the Stability of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 24782-24788.	4.0	55
111	Pyrolysis-free polymer-based oxygen electrocatalysts. Energy and Environmental Science, 2021, 14, 2789-2808.	15.6	55
112	Sulfonated carbon nanotubes/sulfonated poly(ether sulfone ether ketone ketone) composites for polymer electrolyte membranes. Polymers for Advanced Technologies, 2011, 22, 1747-1752.	1.6	54
113	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. Nano Energy, 2019, 59, 207-215.	8.2	54
114	Cementitious grain-boundary passivation for flexible perovskite solar cells with superior environmental stability and mechanical robustness. Science Bulletin, 2021, 66, 527-535.	4.3	54
115	A Biomimetic Selfâ€Shield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. Advanced Functional Materials, 2021, 31, 2106460.	7.8	54
116	A Bionic Interface to Suppress the Coffeeâ€Ring Effect for Reliable and Flexible Perovskite Modules with a Nearâ€90% Yield Rate. Advanced Materials, 2022, 34, e2201840.	11.1	54
117	Influence of water-soluble polythiophene as an interfacial layer on the P3HT/PCBM bulk heterojunction organic photovoltaics. Journal of Materials Chemistry, 2011, 21, 13780.	6.7	53
118	Universal and Versatile MoO₃-Based Hole Transport Layers for Efficient and Stable Polymer Solar Cells. Journal of Physical Chemistry C, 2014, 118, 9930-9938.	1.5	53
119	Wearable Tinâ€Based Perovskite Solar Cells Achieved by a Crystallographic Size Effect. Angewandte Chemie - International Edition, 2021, 60, 14693-14700.	7.2	53
120	Synthesis of transparent ZnO/PMMA nanocomposite films through free-radical copolymerization of asymmetric zinc methacrylate acetate and in-situ thermal decomposition. Journal of Luminescence, 2011, 131, 1701-1706.	1.5	52
121	Fabrication of water-dispersible and biocompatible red fluorescent organic nanoparticles via PEGylation of aggregate induced emission enhancement dye and their cell imaging applications. Colloids and Surfaces B: Biointerfaces, 2014, 113, 435-441.	2.5	52
122	Novel Narrow Bandgap Terpolymer Donors Enables Record Performance for Semitransparent Organic Solar Cells Based on Allâ€Narrow Bandgap Semiconductors. Advanced Functional Materials, 2022, 32, .	7.8	52
123	Nanostructured hybrid ZnO@CdS nanowalls grown in situ for inverted polymer solar cells. Journal of Materials Chemistry C, 2014, 2, 1018-1027.	2.7	51
124	Room temperature processed polymers for high-efficient polymer solar cells with power conversion efficiency over 9%. Nano Energy, 2017, 37, 32-39.	8.2	50
125	Obstructing interfacial reaction between NiOx and perovskite to enable efficient and stable inverted perovskite solar cells. Chemical Engineering Journal, 2021, 426, 131357.	6.6	50
126	Study on biodegradable aromatic/aliphatic copolyesters. Brazilian Journal of Chemical Engineering, 2008, 25, 321-335.	0.7	49

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127	Electrostatic Self-Assembled Metal Oxide/Conjugated Polyelectrolytes as Electron-Transporting Layers for Inverted Solar Cells with High Efficiency. Journal of Physical Chemistry C, 2013, 117, 24804-24814.	1.5	49
128	Highly Efficient Flexible Polymer Solar Cells with Robust Mechanical Stability. Advanced Science, 2019, 6, 1801180.	5.6	49
129	Regulating Favorable Morphology Evolution by a Simple Liquid-Crystalline Small Molecule Enables Organic Solar Cells with over 17% Efficiency and a Remarkable J_{sc} of 26.56 mA/cm². Chemistry of Materials, 2021, 33, 430-440.	3.2	49
130	Controlled grafting of polymer brushes on poly(vinylidene fluoride) films by surface-initiated atom transfer radical polymerization. Journal of Applied Polymer Science, 2006, 101, 3704-3712.	1.3	48
131	Electrospinning of Poly(L-lactide) Nanofibers Encapsulated with Water-Soluble Fullerenes for Bioimaging Application. ACS Applied Materials & Interfaces, 2013, 5, 680-685.	4.0	48
132	Counterion induced facile self-doping and tunable interfacial dipoles of small molecular electrolytes for efficient polymer solar cells. Nano Energy, 2016, 27, 492-498.	8.2	48
133	A generalized one-step in situ formation of metal sulfide/reduced graphene oxide nanosheets toward high-performance supercapacitors. Science China Materials, 2020, 63, 1898-1909.	3.5	48
134	An in situ bifacial passivation strategy for flexible perovskite solar module with mechanical robustness by roll-to-roll fabrication. Journal of Materials Chemistry A, 2021, 9, 5759-5768.	5.2	48
135	Diketopyrrolopyrrole-based conjugated polymers as additives to optimize morphology for polymer solar cells. Chinese Journal of Polymer Science (English Edition), 2016, 34, 491-504.	2.0	47
136	Alkylsilyl Functionalized Copolymer Donor for Annealingâ€Free High Performance Solar Cells with over 11% Efficiency: Crystallinity Induced Small Driving Force. Advanced Functional Materials, 2018, 28, 1800606.	7.8	47
137	Mapping Nonfullerene Acceptors with a Novel Wide Bandgap Polymer for High Performance Polymer Solar Cells. Advanced Energy Materials, 2018, 8, 1801214.	10.2	47
138	A bendable nickel oxide interfacial layerviapolydopamine crosslinking for flexible perovskite solar cells. Chemical Communications, 2019, 55, 3666-3669.	2.2	47
139	Multiple drug-loaded electrospun PLGA/gelatin composite nanofibers encapsulated with mesoporous ZnO nanospheres for potential postsurgical cancer treatment. RSC Advances, 2014, 4, 28011-28019.	1.7	46
140	Safe and flexible ion gel based composite electrolyte for lithium batteries. Journal of Materials Chemistry A, 2016, 4, 14132-14140.	5.2	46
141	Antibacterial zinc oxide hybrid with gelatin coating. Materials Science and Engineering C, 2017, 81, 321-326.	3.8	45
142	Hierarchical 1D nanofiber-2D nanosheet-shaped self-standing membranes for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 9161-9171.	5.2	45
143	Minimization of ion transport resistance: diblock copolymer micelle derived nitrogen-doped hierarchically porous carbon spheres for superior rate and power Zn-ion capacitors. Journal of Materials Chemistry A, 2021, 9, 8435-8443.	5.2	45
144	Reducing Photovoltaic Property Loss of Organic Solar Cells in Bladeâ€Coating by Optimizing Microâ€Nanomorphology via Nonhalogenated Solvent. Advanced Energy Materials, 2022, 12, .	10.2	45

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145	Low Work-function Poly(3,4-ethylenedioxylenethiophene): Poly(styrene sulfonate) as Electron-transport Layer for High-efficient and Stable Polymer Solar Cells. Scientific Reports, 2015, 5, 12839.	1.6	44
146	Photovoltaic performance enhancement of P3HT/PCBM solar cells driven by incorporation of conjugated liquid crystalline rod-coil block copolymers. Journal of Materials Chemistry C, 2014, 2, 3835-3845.	2.7	43
147	Cross-linked graphene/carbon nanotube networks with polydopamine â€œglueâ€for flexible supercapacitors. Composites Communications, 2018, 10, 73-80.	3.3	43
148	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 19053-19057.	7.2	43
149	A Highly Tolerant Printing for Scalable and Flexible Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2107726.	7.8	43
150	Oligomerâ€Assisted Photoactive Layers Enable >18â€‰% Efficiency of Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	43
151	Self-Assembled Conjugated Polyelectrolyteâ€“Ionic Liquid Crystal Complex as an Interlayer for Polymer Solar Cells: Achieving Performance Enhancement via Rapid Liquid Crystal-Induced Dipole Orientation. Macromolecules, 2014, 47, 1623-1632.	2.2	42
152	Fused selenophene-thieno[3,2-b]thiopheneâ€“selenophene (ST)-based narrow-bandgap electron acceptor for efficient organic solar cells with small voltage loss. Chemical Communications, 2019, 55, 8258-8261.	2.2	42
153	Optimization of the Power Conversion Efficiency of Room Temperatureâ€Fabricated Polymer Solar Cells Utilizing Solution Processed Tungsten Oxide and Conjugated Polyelectrolyte as Electrode Interlayer. Advanced Functional Materials, 2014, 24, 3986-3995.	7.8	41
154	Fluorinated Reduced Graphene Oxide as an Efficient Hole-Transport Layer for Efficient and Stable Polymer Solar Cells. ACS Omega, 2017, 2, 2010-2016.	1.6	41
155	A pinecone-inspired hierarchical vertically aligned nanosheet array electrode for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 23349-23360.	5.2	41
156	Efficient bulk heterojunction polymer solar cells using PEDOT/PSS doped with solution-processed MoO3 as anode buffer layer. Solar Energy Materials and Solar Cells, 2012, 102, 66-70.	3.0	40
157	Theoretical Study of Excited State Charge Transfer Characteristics based on Aâ€“Dâ€“A and Aâ€“DAâ€²Dâ€“A Type Nonfullerene Acceptors. Journal of Physical Chemistry C, 2021, 125, 10250-10259.	1.5	40
158	Enhanced Power-Conversion Efficiency in Inverted Bulk Heterojunction Solar Cells using Liquid-Crystal-Conjugated Polyelectrolyte Interlayer. ACS Applied Materials & Interfaces, 2015, 7, 19024-19033.	4.0	39
159	n-Type conjugated electrolytes cathode interlayer with thickness-insensitivity for highly efficient organic solar cells. Journal of Materials Chemistry A, 2017, 5, 13807-13816.	5.2	39
160	A green route to a novel hyperbranched electrolyte interlayer for nonfullerene polymer solar cells with over 11% efficiency. Chemical Communications, 2018, 54, 563-566.	2.2	39
161	Novel poly(butylene succinate-co-lactic acid) copolyesters: Synthesis, crystallization, and enzymatic degradation. Polymer Degradation and Stability, 2010, 95, 1920-1927.	2.7	38
162	Unraveling the Morphology in Solution-Processed Pseudo-Bilayer Planar Heterojunction Organic Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 26213-26221.	4.0	38

#	Article	IF	Citations
163	Vertical Distribution to Optimize Active Layer Morphology for Efficient All-Polymer Solar Cells by J71 as a Compatibilizer. Macromolecules, 2019, 52, 4359-4369.	2.2	38
164	Subphthalocyanine Triimides: Solution Processable Bowl-Shaped Acceptors for Bulk Heterojunction Solar Cells. Organic Letters, 2019, 21, 3382-3386.	2.4	38
165	Miscibility Matching and Bimolecular Crystallization Affording High-Performance Ternary Nonfullerene Solar Cells. Chemistry of Materials, 2019, 31, 10211-10224.	3.2	38
166	A general enlarging shear impulse approach to green printing large-area and efficient organic photovoltaics. Energy and Environmental Science, 2022, 15, 2130-2138.	15.6	38
167	Preparation and optical properties of ZnO@PPEGMA nanoparticles. Applied Surface Science, 2009, 255, 7158-7163.	3.1	37
168	Electrospinning and characterization of konjac glucomannan/chitosan nanofibrous scaffolds favoring the growth of bone mesenchymal stem cells. Carbohydrate Polymers, 2011, 85, 681-686.	5.1	37
169	Efficient all polymer solar cells from layer-evolved processing of a bilayer inverted structure. Journal of Materials Chemistry C, 2014, 2, 416-420.	2.7	37
170	In situ polymerization of ethylenedioxythiophene from sulfonated carbon nanotube templates: toward high efficiency ITO-free solar cells. Journal of Materials Chemistry A, 2016, 4, 6645-6652.	5.2	37
171	Non-halogenated solvent-processed single-junction polymer solar cells with 9.91% efficiency and improved photostability. Nano Energy, 2017, 41, 27-34.	8.2	37
172	Nitrogenâ€Doped Hierarchically Porous Carbon Materials with Enhanced Performance for Supercapacitor. ChemElectroChem, 2018, 5, 515-522.	1.7	37
173	Rapid Microwave-Assisted Synthesis of SnO₂ Quantum Dots for Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 1887-1893.	2.5	37
174	Synthesis and photoluminescence of Eu-doped Zn/Al layered double hydroxides. Journal of Materials Science, 2010, 45, 6417-6423.	1.7	36
175	Crystallization and conformation engineering of solution-processed polymer transparent electrodes with high conductivity. Journal of Materials Chemistry C, 2017, 5, 382-389.	2.7	36
176	Regulation of the Polar Groups in n-Type Conjugated Polyelectrolytes as Electron Transfer Layer for Inverted Polymer Solar Cells. Macromolecules, 2018, 51, 8197-8204.	2.2	36
177	Lowâ€Temperatureâ€Processed WO_x as Electron Transfer Layer for Planar Perovskite Solar Cells Exceeding 20% Efficiency. Solar Rrl, 2020, 4, 1900499.	3.1	36
178	Spontaneous Formation of Upper Gradient 2D Structure for Efficient and Stable Quasiâ€2D Perovskites. Advanced Materials, 2021, 33, e2101823.	11.1	36
179	Uncovering the Mechanism of Poly(ionicâ€liquid)s Multiple Inhibition of Ion Migration for Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	10.2	36
180	Low-Î° nanocomposite films based on polyimides with grafted polyhedral oligomeric silsesquioxane. Journal of Applied Polymer Science, 2006, 99, 2226-2232.	1.3	35

#	Article	IF	Citations
181	Surface modifications of halloysite nanotubes with superparamagnetic Fe3O4 nanoparticles and carbonaceous layers for efficient adsorption of dyes in water treatment. Chemical Research in Chinese Universities, 2014, 30, 971-977.	1.3	35
182	Novel controlled drug delivery system for multiple drugs based on electrospun nanofibers containing nanomicelles. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 257-268.	1.9	35
183	Free Mesogen Assisted Assembly of the Star-shaped Liquid-crystalline Copolymer/Polyethylene Oxide Solid Electrolytes for Lithium Ion Batteries. Electrochimica Acta, 2014, 118, 33-40.	2.6	35
184	Regulating Voltage Window and Energy Density of Aqueous Asymmetric Supercapacitors by Pineconeâ€Like Hollow Fe₂O₃/MnO₂ Nanoâ€Heterostructure. Advanced Materials Interfaces, 2020, 7, 1901729.	1.9	35
185	Understanding the Mechanism between Antisolvent Dripping and Additive Doping Strategies on the Passivation Effects in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 56151-56160.	4.0	35
186	Mesogens Mediated Self-Assembly in Applications of Bulk Heterojunction Solar Cells Based on a Conjugated Polymer with Narrow Band Gap. Macromolecules, 2011, 44, 2698-2706.	2.2	34
187	Bamboo fibers @ poly(ethylene glycol)â€reinforced poly(butylene succinate) biocomposites. Journal of Applied Polymer Science, 2011, 122, 2456-2466.	1.3	34
188	Chiral ZnO nanoparticles for detection of dopamine. Materials Science and Engineering C, 2018, 93, 739-745.	3.8	34
189	Narrow band-gap materials with overlapping absorption simultaneously increase the open circuit voltage and average visible transmittance of semitransparent organic solar cells. Journal of Materials Chemistry A, 2021, 9, 5711-5719.	5.2	34
190	Ionic Liquid-Induced Ostwald Ripening Effect for Efficient and Stable Tin-Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 15420-15428.	4.0	34
191	Synthesis and Properties of Polyacetylenes Containing Terphenyl Pendent Group with Different Spacers. Macromolecules, 2009, 42, 1454-1461.	2.2	33
192	Cooperative Assembly Donorâ€“Acceptor System Induced by Intermolecular Hydrogen Bonds Leading to Oriented Nanomorphology for Optimized Photovoltaic Performance. Journal of Physical Chemistry C, 2012, 116, 714-721.	1.5	33
193	Ordered microstructure induced by orientation behavior of liquid-crystal polythiophene for performance improvement of hybrid solar cells. Solar Energy Materials and Solar Cells, 2012, 96, 266-275.	3.0	33
194	Interface-induced face-on orientation of the active layer by self-assembled diblock conjugated polyelectrolytes for efficient organic photovoltaic cells. Journal of Materials Chemistry A, 2016, 4, 18478-18489.	5.2	33
195	N-type Self-Doping of Fluorinate Conjugated Polyelectrolytes for Polymer Solar Cells: Modulation of Dipole, Morphology, and Conductivity. ACS Applied Materials & Interfaces, 2017, 9, 1145-1153.	4.0	33
196	Improved Glass Transition Temperature towards Thermal Stability via Thiols Solvent Additive versus DIO in Polymer Solar Cells. Macromolecular Rapid Communications, 2017, 38, 1700428.	2.0	33
197	Effective Network Formation of PEDOT by in-situ Polymerization Using Novel Organic Template and Nanocomposite Supercapacitor. Electrochimica Acta, 2017, 247, 871-879.	2.6	33
198	Fe₃O₄-Encapsulating N-doped porous carbon materials as efficient oxygen reduction reaction electrocatalysts for Znâ€“air batteries. Chemical Communications, 2019, 55, 7538-7541.	2.2	33

#	Article	IF	Citations
199	Construction of a hierarchical carbon coated Fe₃O₄ nanorod anode for 2.6 V aqueous asymmetric supercapacitors with ultrahigh energy density. Journal of Materials Chemistry A, 2019, 7, 27313-27322.	5.2	33
200	Defect Passivation Effect of Chemical Groups on Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 34161-34170.	4.0	33
201	Polyfluorene Electrolytes Interfacial Layer for Efficient Polymer Solar Cells: Controllably Interfacial Dipoles by Regulation of Polar Groups. ACS Applied Materials & Interfaces, 2016, 8, 9821-9828.	4.0	32
202	Butanedithiol Solvent Additive Extracting Fullerenes from Donor Phase To Improve Performance and Photostability in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 9918-9925.	4.0	32
203	Structural similarity induced improvement in the performance of organic solar cells based on novel terpolymer donors. Journal of Materials Chemistry A, 2021, 9, 9238-9247.	5.2	32
204	Design, Synthesis, and Properties of New Biodegradable Aromatic/Aliphatic Liquid Crystalline Copolyesters. Biomacromolecules, 2003, 4, 974-980.	2.6	31
205	Liquid Crystal Helps ZnO Nanoparticles Self-Assemble for Performance Improvement of Hybrid Solar Cells. Journal of Physical Chemistry C, 2012, 116, 6332-6339.	1.5	31
206	Controlling morphology and improving the photovoltaic performances of P3HT/ZnO hybrid solar cells via P3HT-b-PEO as an interfacial compatibilizer. New Journal of Chemistry, 2013, 37, 236-244.	1.4	31
207	Random copolymerization realized high efficient polymer solar cells with a record fill factor near 80%. Nano Energy, 2019, 61, 228-235.	8.2	31
208	An Effective Method for Recovering Nonradiative Recombination Loss in Scalable Organic Solar Cells. Advanced Functional Materials, 2020, 30, 2000417.	7.8	31
209	Printable and stable all-polymer solar cells based on non-conjugated polymer acceptors with excellent mechanical robustness. Science China Chemistry, 2022, 65, 182-189.	4.2	31
210	Copolymerization of norbornene and 5â€norborneneâ€2â€yl acetate using novel bis(Î²â€ketonaphthylamino)Ni(II)/B(C₆F₅)₃/AlEt₃ catalytic system. Journal of Polymer Science Part A, 2009, 47, 3990-4000.	2.5	30
211	Electrospun poly(<scp>l</scp>-lactide) nanofibers loaded with paclitaxel and water-soluble fullerenes for drug delivery and bioimaging. New Journal of Chemistry, 2014, 38, 6223-6229.	1.4	30
212	2D Heterostructures Derived from MoS₂â€Templated, Cobaltâ€Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. ChemElectroChem, 2017, 4, 709-715.	1.7	30
213	Pseudoâ€Planar Heterojunction Organic Photovoltaics with Optimized Light Utilization for Printable Solar Windows. Advanced Materials, 2022, 34, e2201604.	11.1	30
214	Sequential effect and enhanced conductivity of star-shaped diblock liquid-crystalline copolymers for solid electrolytes. Journal of Power Sources, 2014, 247, 786-793.	4.0	29
215	Rollâ€toâ€Roll Production of Graphene Hybrid Electrodes for Highâ€Efficiency, Flexible Organic Photoelectronics. Advanced Materials Interfaces, 2015, 2, 1500445.	1.9	29
216	Highly and homogeneously conductive conjugated polyelectrolyte hole transport layers for efficient organic solar cells. Journal of Materials Chemistry A, 2017, 5, 14689-14696.	5.2	29

#	Article	IF	Citations
217	Ternary organic solar cells: compatibility controls for morphology evolution of active layers. Journal of Materials Chemistry C, 2017, 5, 10801-10812.	2.7	29
218	Tremendously enhanced photocurrent enabled by tripletâ€“triplet annihilation up-conversion for high-performance perovskite solar cells. Energy and Environmental Science, 2021, 14, 3532-3541.	15.6	29
219	Ferroelectric Polymer Drives Performance Enhancement of Nonâ€fullerene Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	29
220	Regulation of Crystallinity and Vertical Phase Separation Enables Highâ€Efficiency Thick Organic Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	29
221	Controlled Dual Drug Release and <I>In</I> <I>Vitro</I> Cytotoxicity of Electrospun Poly(lactic-co-glycolic acid) Nanofibers Encapsulated with Micelles. Journal of Biomedical Nanotechnology, 2015, 11, 428-435.	0.5	28
222	In Situ Formation of ZnO in Graphene: A Facile Way To Produce a Smooth and Highly Conductive Electron Transport Layer for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 16078-16085.	4.0	28
223	N-Type Alcohol-Soluble Small Molecules as an Interfacial Layer for Efficient and Stable Polymer Solar Cells. Journal of Physical Chemistry C, 2015, 119, 25887-25897.	1.5	28
224	Post-annealing to recover the reduced open-circuit voltage caused by solvent annealing in organic solar cells. Journal of Materials Chemistry A, 2016, 4, 6158-6166.	5.2	28
225	Diammonium Molecular Configurationâ€Induced Regulation of Crystal Orientation and Carrier Dynamics for Highly Efficient and Stable 2D/3D Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	28
226	Highly efficient and stable ZnO-based MA-free perovskite solar cells via overcoming interfacial mismatch and deprotonation reaction. Chemical Engineering Journal, 2022, 431, 134235.	6.6	28
227	Addition polymerization of norbornene using bis(Î²â€ketoamino)nickel(II)/tris(pentafluorophenyl)borane catalytic systems. Journal of Polymer Science Part A, 2007, 45, 4733-4743.	2.5	27
228	Fine dispersion and self-assembly of ZnO nanoparticles driven by P3HT-b-PEO diblocks for improvement of hybrid solar cells performance. New Journal of Chemistry, 2013, 37, 195-203.	1.4	27
229	Substituent effects and activation mechanism of norbornene polymerization catalyzed by three-dimensional geometry Î±-diimine palladium complexes. Polymer Chemistry, 2014, 5, 1210-1218.	1.9	27
230	A mechanistic investigation of morphology evolution in P3HTâ€“PCBM films induced by liquid crystalline molecules under external electric field. Physical Chemistry Chemical Physics, 2015, 17, 387-397.	1.3	27
231	Ni(II) and Pd(II) complexes bearing novel bis(Î²â€ketoamino) ligand and their catalytic activity toward copolymerization of norbornene and 5â€norborneneâ€2â€yl acetate combined with B(C₆F₅)₃. Journal of Polymer Science Part A, 2011, 49, 3304-3313.	2.5	26
232	Surface modification of hydroxyapatite nanoparticles by poly(l-phenylalanine) via ROP of l-phenylalanine N-carboxyanhydride (Pha-NCA). Applied Surface Science, 2012, 258, 2850-2855.	3.1	26
233	A novel approach to electrospinning of pristine and aligned MEH-PPV using binary solvents. Journal of Materials Chemistry, 2012, 22, 5523.	6.7	26
234	Self-Assembly of Diblock Polythiophenes with Discotic Liquid Crystals on Side Chains for the Formation of a Highly Ordered Nanowire Morphology. ACS Applied Materials & Interfaces, 2013, 5, 8321-8328.	4.0	26

#	Article	IF	Citations
235	Let-7a suppresses macrophage infiltrations and malignant phenotype of Ewing sarcoma via STAT3/NF-Î¹B positive regulatory circuit. Cancer Letters, 2016, 374, 192-201.	3.2	26
236	Roll-To-Roll Printing of Meter-Scale Composite Transparent Electrodes with Optimized Mechanical and Optical Properties for Photoelectronics. ACS Applied Materials & Interfaces, 2018, 10, 8917-8925.	4.0	26
237	Synthesis and properties of polyacetylenes with directly attached bis(4-alkoxyphenyl)terephthalate mesogens as pendants. Journal of Polymer Science Part A, 2006, 44, 2499-2509.	2.5	25
238	Mesogen induced self-assembly for hybrid bulk heterojunction solar cells based on a liquid crystal Dâ€“A copolymer and ZnO nanocrystals. Journal of Materials Chemistry, 2012, 22, 6259.	6.7	25
239	Glycosylated aggregation induced emission dye based fluorescent organic nanoparticles: preparation and bioimaging applications. RSC Advances, 2014, 4, 24189.	1.7	25
240	Highly stable Al-doped ZnO by ligand-free synthesis as general thickness-insensitive interlayers for organic solar cells. Science China Chemistry, 2018, 61, 127-134.	4.2	25
241	An efficient and stable tin-based perovskite solar cell passivated by aminoguanidine hydrochloride. Journal of Materials Chemistry C, 2020, 8, 7786-7792.	2.7	25
242	Synthesis and Helical Conformation of Novel Optically Active Liquid Crystalline Poly(p-phenylene)s Containing Cyanoterphenyl Mesogen as Pendant. Macromolecules, 2009, 42, 5053-5061.	2.2	24
243	In situ preparation and fluorescence quenching properties of polythiophene/ZnO nanocrystals hybrids through atom-transfer radical polymerization and hydrolysis. Applied Surface Science, 2010, 256, 2948-2955.	3.1	24
244	Ni(II) and Pd(II) complexes bearing benzocyclohexaneâ€“ketoarylimine for copolymerization of norbornene with 5â€norborneneâ€2â€carboxylic ester. Journal of Polymer Science Part A, 2012, 50, 4695-4704.	2.5	24
245	Photovoltaic performance enhancement in P3HT/ZnO hybrid bulk-heterojunction solar cells induced by semiconducting liquid crystal ligands. Organic Electronics, 2012, 13, 2757-2762.	1.4	24
246	Rollâ€toâ€Roll Fabrication of Flexible Orientated Graphene Transparent Electrodes by Shear Force and Oneâ€Step Reducing Postâ€Treatment. Advanced Materials Technologies, 2017, 2, 1700138.	3.0	24
247	Polyolefin Elastomer as the Anode Interfacial Layer for Improved Mechanical and Air Stabilities in Nonfullerene Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 10706-10716.	4.0	24
248	Fast assembly of MXene hydrogels by interfacial electrostatic interaction for supercapacitors. Chemical Communications, 2021, 57, 10731-10734.	2.2	24
249	NIR Photodetectors with Highly Efficient Detectivity Enabled by 2D Fluorinated Dithienopicenocarbazoleâ€Based Ultraâ€Narrow Bandgap Acceptors. Advanced Functional Materials, 2022, 32, .	7.8	24
250	Morphology and hydrogenâ€bond restricted crystallization of poly(butylene succinate)/cellulose diacetate blends. Journal of Applied Polymer Science, 2012, 124, 3124-3131.	1.3	23
251	Photovoltaics of donorâ€“acceptor polymers based on benzodithiophene with lateral thiophenyl and fluorinated benzothiadiazole. Journal of Polymer Science Part A, 2013, 51, 1506-1511.	2.5	23
252	Optical Engineering of Uniformly Decorated Graphene Oxide Nanoflakes via in Situ Growth of Silver Nanoparticles with Enhanced Plasmonic Resonance. ACS Applied Materials & Interfaces, 2014, 6, 21069-21077.	4.0	23

#	Article	IF	Citations
253	Self-assembly of discotic liquid crystal decorated ZnO nanoparticles for efficient hybrid solar cells. RSC Advances, 2014, 4, 3627-3632.	1.7	23
254	Control of the oxidation level of graphene oxide for high efficiency polymer solar cells. RSC Advances, 2015, 5, 49182-49187.	1.7	23
255	Poly(3-butylthiophene) nanowires inducing crystallization of poly(3-hexylthiophene) for enhanced photovoltaic performance. Journal of Materials Chemistry C, 2015, 3, 809-819.	2.7	23
256	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 6972-6977.	1.6	23
257	A facile in situ approach to ion gel based polymer electrolytes for flexible lithium batteries. RSC Advances, 2017, 7, 54391-54398.	1.7	23
258	Fluorine-induced self-doping and spatial conformation in alcohol-soluble interlayers for highly-efficient polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 423-433.	5.2	23
259	Stabilized and Operational PbI₂ Precursor Ink for Large-Scale Perovskite Solar Cells via Two-Step Blade-Coating. Journal of Physical Chemistry C, 2020, 124, 8129-8139.	1.5	23
260	Novel polymer acceptors achieving 10.18% efficiency for all-polymer solar cells. Journal of Energy Chemistry, 2021, 53, 63-68.	7.1	23
261	Bending-stability Interfacial Layer as Dual Electron Transport Layer for Flexible Organic Photovoltaics. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1441-1447.	2.0	23
262	Dual Triplet Sensitization Strategy for Efficient and Stable Tripletâ€“Triplet Annihilation Upconversion Perovskite Solar Cells. CCS Chemistry, 2023, 5, 729-740.	4.6	23
263	Synthesis and characterization of bi-functional photorefractive polymers. Polymer, 2001, 42, 1101-1107.	1.8	22
264	Hydrolytic and Enzymatic Degradation of Liquid-Crystalline Aromatic/Aliphatic Copolyesters. Biomacromolecules, 2004, 5, 11-16.	2.6	22
265	Luminescent mesogen jacketed poly(1â€alkyne) bearing lateral terphenyl with hexyloxy tail. Journal of Polymer Science Part A, 2010, 48, 5679-5692.	2.5	22
266	Interfacial Nanostructuring of ZnO Nanoparticles by Fullerene Surface Functionalization for â€œAnnealing-Freeâ€•Hybrid Bulk Heterojunction Solar Cells. Journal of Physical Chemistry C, 2012, 116, 3486-3491.	1.5	22
267	Microporous gel electrolytes based on amphiphilic poly(vinylidene fluoride-co-hexafluoropropylene) for lithium batteries. Applied Surface Science, 2012, 258, 4983-4989.	3.1	22
268	Antimicrobial Hydantoinâ€grafted Poly(Îµâ€caprolactone) by Ringâ€opening Polymerization and Click Chemistry. Macromolecular Bioscience, 2012, 12, 1721-1730.	2.1	22
269	Influences of charge of conjugated polymer electrolytes cathode interlayer for bulk-heterojunction polymer solar cells. Organic Electronics, 2013, 14, 1551-1561.	1.4	22
270	Amphiphilic fullerene/ZnO hybrids as cathode buffer layers to improve charge selectivity of inverted polymer solar cells. Nanoscale, 2015, 7, 9194-9203.	2.8	22

#	Article	IF	Citations
271	Synergistic dispersible graphene: Sulfonated carbon nanotubes integrated with PEDOT for large-scale transparent conductive electrodes. Carbon, 2016, 98, 15-23.	5.4	22
272	Novel Copolymers Based Tetrafluorobenzene and Difluorobenzothiadiazole for Organic Solar Cells with Prominent Open Circuit Voltage and Stability. Macromolecular Rapid Communications, 2017, 38, 1600556.	2.0	22
273	The role of dipole moment in two fused-ring electron acceptor and one polymer donor based ternary organic solar cells. Materials Chemistry Frontiers, 2020, 4, 1507-1518.	3.2	22
274	SURFACE MODIFICATION OF POLY(VINYLIDENE FLUORIDE) FILMS BY CONTROLLED GRAFTING POLYMER BRUSHES. Surface Review and Letters, 2005, 12, 709-712.	0.5	21
275	Synthesis and properties of polymer brushes composed of poly(diphenylacetylene) main chain and poly(ethylene glycol) side chains. European Polymer Journal, 2008, 44, 3732-3740.	2.6	21
276	The effect of photocrosslinkable groups on thermal stability of bulk heterojunction solar cells based on donor-acceptor-conjugated polymers. Journal of Polymer Science Part A, 2013, 51, 4156-4166.	2.5	21
277	Sulfonate Poly(aryl ether sulfone)-Modified PEDOT:PSS as Hole Transport Layer and Transparent Electrode for High Performance Polymer Solar Cells. Journal of Physical Chemistry C, 2015, 119, 1943-1952.	1.5	21
278	Enhanced performance and stability of pâ€“iâ€“n perovskite solar cells by utilizing an AIE-active cathode interlayer. Journal of Materials Chemistry A, 2019, 7, 15662-15672.	5.2	21
279	Asymmetric Wideâ€Bandgap Polymers Simultaneously Improve the Openâ€Circuit Voltage and Shortâ€Circuit Current for Organic Photovoltaics. Macromolecular Rapid Communications, 2019, 40, e1800906.	2.0	21
280	Atomic Layer Deposition of Metal Oxides in Perovskite Solar Cells: Present and Future. Small Methods, 2020, 4, 2000588.	4.6	21
281	Printable Hole Transport Layer for 1.0 cm² Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 52028-52037.	4.0	21
282	A non-wetting and conductive polyethylene dioxothiophene hole transport layer for scalable and flexible perovskite solar cells. Science China Chemistry, 2021, 64, 834-843.	4.2	21
283	Toward efficient perovskite solar cells by planar imprint for improved perovskite film quality and granted bifunctional barrier. Journal of Materials Chemistry A, 2021, 9, 16178-16186.	5.2	21
284	Preparation and characterization of aliphatic/aromatic copolyesters based on bisphenol-A terephthalate, hexylene terephthalate and lactide mioties. Reactive and Functional Polymers, 2007, 67, 396-407.	2.0	20
285	Photocrosslinkable liquidâ€“crystalline polymers for stable photovoltaics by adjusting side-chains spacing and fullerene size to control intercalation. Organic Electronics, 2012, 13, 1443-1455.	1.4	20
286	A novel planar Dâ€A alternating copolymer with Dâ€A integrated structures exhibiting Hâ€aggregate behaviors for polymer solar cells. Journal of Polymer Science Part A, 2013, 51, 624-634.	2.5	20
287	Silver Mesh Electrodes via Electroless Deposition-Coupled Inkjet-Printing Mask Technology for Flexible Polymer Solar Cells. Langmuir, 2019, 35, 9713-9720.	1.6	20
288	Double Acceptor Block-Containing Copolymers with Deep HOMO Levels for Organic Solar Cells: Adjusting Carboxylate Substituent Position for Planarity. ACS Applied Materials & Interfaces, 2019, 11, 15853-15860.	4.0	20

#	Article	IF	Citations
289	Non-halogenated-solvent-processed highly efficient organic solar cells with a record open circuit voltage enabled by noncovalently locked novel polymer donors. Journal of Materials Chemistry A, 2019, 7, 27394-27402.	5.2	20
290	Directional Crystallization by Floating Self-Assembly for Efficient and Stable Tin-based Perovskite Solar Cells. Chemistry of Materials, 2021, 33, 4362-4372.	3.2	20
291	Electrodeposition of poly(3,4-ethylenedioxythiophene) coated manganese dioxide nanospheres for flexible asymmetric planar supercapacitor with superior energy density. Journal of Power Sources, 2021, 506, 230176.	4.0	20
292	A Novel Thiophene Derivativeâ€based Conjugated Polymer for Polymer Solar Cells with High Openâ€circuit Voltage. Chinese Journal of Chemistry, 2012, 30, 2219-2224.	2.6	19
293	Direct application of P3HT-DOPO@ZnO nanocomposites in hybrid bulk heterojunction solar cells via grafting P3HT onto ZnO nanoparticles. Solar Energy Materials and Solar Cells, 2012, 97, 64-70.	3.0	19
294	Novel Ni and Pd(benzocyclohexanâ€ketonaphthylimino)₂ complexes for copolymerization of norbornene with octene. Journal of Applied Polymer Science, 2013, 128, 216-223.	1.3	19
295	Hairy polymeric nanocapsules with ph-responsive shell and thermoresponsive brushes: Tunable permeability for controlled release of water-soluble drugs. Journal of Polymer Science Part A, 2014, 52, 2202-2216.	2.5	19
296	Poly(Nâ€vinylpyrrolidone)â€Decorated Reduced Graphene Oxide with ZnO Grown In Situ as a Cathode Buffer Layer for Polymer Solar Cells. Chemistry - A European Journal, 2014, 20, 17178-17184.	1.7	19
297	Novel Donorâ€“Acceptor Random Copolymers Containing Phenanthrocarbazole and Diketopyrrolopyrrole for Organic Photovoltaics and the Significant Molecular Geometry Effect on Their Performance. Journal of Physical Chemistry C, 2014, 118, 6038-6045.	1.5	19
298	Versatile MoS2 Nanosheets in ITO-Free and Semi-transparent Polymer Power-generating Glass. Scientific Reports, 2015, 5, 12161.	1.6	19
299	Liquid-crystalline ionic liquids modified conductive polymers as a transparent electrode for indium-free polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 22316-22324.	5.2	19
300	Pure- or mixed-solvent assisted treatment for crystallization dynamics of planar lead halide perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 155, 166-175.	3.0	19
301	Facile Approach to Perylenemonoimide with Short Side Chains for Nonfullerene Solar Cells. Journal of Organic Chemistry, 2017, 82, 5926-5931.	1.7	19
302	A facile approach towards chemical modification of Ag nanowires by PEDOT as a transparent electrode for organic solar cells. Journal of Materials Chemistry C, 2018, 6, 312-319.	2.7	19
303	Facile and Scalable Fabrication of Nitrogen-Doped Porous Carbon Nanosheets for Capacitive Energy Storage with Ultrahigh Energy Density. ACS Applied Materials & Interfaces, 2019, 11, 20029-20036.	4.0	19
304	Additive-free non-fullerene organic solar cells with random copolymers as donors over 9% power conversion efficiency. Chinese Chemical Letters, 2019, 30, 1161-1167.	4.8	19
305	Reducing Energy Loss and Morphology Optimization Manipulated by Molecular Geometry Engineering for Heteroâ€junction Organic Solar Cells. Chinese Journal of Chemistry, 2020, 38, 1553-1559.	2.6	19
306	Bilayer porous scaffold based on poly-(É›-caprolactone) nanofibrous membrane and gelatin sponge for favoring cell proliferation. Applied Surface Science, 2011, 258, 1670-1676.	3.1	18

#	Article	IF	Citations
307	Solid-state supramolecular chemistry of zinc tetraphenylporphyrin and zinc phthalocyanine with bis(pyridyl) ligands. Journal of Molecular Structure, 2011, 1002, 145-150.	1.8	18
308	Copolymerization of norbornene and n-butyl methacrylate catalyzed by bis-(Î²-ketoamino)nickel(II)/B(C6F5)3 catalytic system. Polymer Bulletin, 2011, 66, 1149-1161.	1.7	18
309	Stable crosslinked vinylâ€addition†type polynorbornene graft copolymer protonâ€exchange membranes. Journal of Applied Polymer Science, 2011, 121, 1166-1175.	1.3	18
310	Synthesis of novel biodegradable poly(butylene succinate) copolyesters composing of isosorbide and poly(ethylene glycol). Journal of Applied Polymer Science, 2011, 121, 2291-2300.	1.3	18
311	FABRICATION AND PROPERTIES OF SILICONE RUBBER/‹font›ZnO‹/font› NANOCOMPOSITES VIA ‹i›IN SITU‹/i› SURFACE HYDROSILYLATION. Surface Review and Letters, 2011, 18, 33-38.	0.5	18
312	Integration of light-harvesting complexes into the polymer bulk heterojunction P3HT/PCBM device for efficient photovoltaic cells. Journal of Materials Chemistry, 2012, 22, 7342.	6.7	18
313	Antimicrobial Hydantoinâ€Containing Polyesters. Macromolecular Bioscience, 2012, 12, 1068-1076.	2.1	18
314	One-dimensional graphene nanoribbons hybridized with carbon nanotubes as cathode and anode interfacial layers for high performance solar cells. RSC Advances, 2015, 5, 49614-49622.	1.7	18
315	Amphiphilic fullerenes modified 1D ZnO arrayed nanorodsâ€“2D graphene hybrids as cathode buffer layers for inverted polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 10890-10899.	5.2	18
316	3-Dimensional ZnO/CdS nanocomposite with high mobility as an efficient electron transport layer for inverted polymer solar cells. Physical Chemistry Chemical Physics, 2016, 18, 12175-12182.	1.3	18
317	Self-encapsulated semi-transparent perovskite solar cells with water-soaked stability and metal-free electrode. Organic Electronics, 2017, 48, 308-313.	1.4	18
318	Musselâ€Inspired, Biomimeticsâ€Assisted Selfâ€Assembly of Co‹sub›3‹/sub›O‹sub›4‹/sub› on Carbon Fibers for Flexible Supercapacitors. ChemElectroChem, 2017, 4, 2269-2277.	1.7	18
319	Introducing an identical benzodithiophene donor unit for polymer donors and small-molecule acceptors to unveil the relationship between the molecular structure and photovoltaic performance of non-fullerene organic solar cells. Journal of Materials Chemistry A, 2019, 7, 26351-26357.	5.2	18
320	Enabling 2.4-V aqueous supercapacitors through the rational design of an integrated electrode of hollow vanadium trioxide/carbon nanospheres. Science China Materials, 2021, 64, 2163-2172.	3.5	18
321	Releasing Nanocapsules for Highâ€Throughput Printing of Stable Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101291.	10.2	18
322	Realizing high-performance organic solar cells through precise control of HOMO driving force based on ternary alloy strategy. Journal of Energy Chemistry, 2022, 65, 133-140.	7.1	18
323	Fluorinated polyimides grafted with poly(ethylene glycol) side chains by the RAFT-mediated process and their membranes. Materials Chemistry and Physics, 2005, 94, 195-201.	2.0	17
324	Synthesis and characterization of poly(ether sulfone ether ketone ketone) grafted poly(sulfopropyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Materials Science, 2010, 45, 1610-1616.	1.7	17

#	Article	IF	Citations
325	Orientation Behavior of Bulk Heterojunction Solar Cells Based on Liquid-Crystalline Polyfluorene and Fullerene. Journal of Physical Chemistry C, 2010, 114, 18001-18011.	1.5	17
326	Hybrid Bulk Heterojunction Solar Cells Based on the Cooperative Interaction of Liquid Crystals within Quantum Dots and Diblock Copolymers. ACS Applied Materials & Interfaces, 2013, 5, 11692-11702.	4.0	17
327	Nanostructuring compatibilizers of block copolymers for organic photovoltaics. Polymer International, 2014, 63, 593-606.	1.6	17
328	Versatile Electron-Collecting Interfacial Layer by in Situ Growth of Silver Nanoparticles in Nonconjugated Polyelectrolyte Aqueous Solution for Polymer Solar Cells. Journal of Physical Chemistry B, 2014, 118, 11563-11572.	1.2	17
329	High conductive PEDOT via post-treatment by halobenzoic for high-efficiency ITO-free and transporting layer-free organic solar cells. Organic Electronics, 2016, 33, 316-323.	1.4	17
330	Electroless deposition of silver grids flexible transparent electrode integrated by ultra-violet nanoimprint lithography. Organic Electronics, 2019, 75, 105408.	1.4	17
331	A novel alkylsilyl-fused copolymer-based non-fullerene solar cell with over 12% efficiency. Journal of Materials Chemistry A, 2019, 7, 4145-4152.	5.2	17
332	Improvement in the Efficiency of Alkylsilyl Functionalized Copolymer for Polymer Solar Cells: Faceâ€On Orientation Enhanced by Random Copolymerization. Solar Rrl, 2019, 3, 1900122.	3.1	17
333	Flexible perovskite solar cells: device design and perspective. Flexible and Printed Electronics, 2020, 5, 013002.	1.5	17
334	Hierarchically nitrogen-doped mesoporous carbon nanospheres with dual ion adsorption capability for superior rate and ultra-stable zinc ion hybrid supercapacitors. Science China Materials, 2022, 65, 2401-2411.	3.5	17
335	Thermotropic aromatic/lactide copolyesters with solubilizing side chains on aromatic rings. Polymer, 2003, 44, 5513-5520.	1.8	16
336	A novel type of optically active helical liquid crystalline polymers: Synthesis and characterization of poly(pâ€phenylene)s containing terphenyl mesogen with different terminal groups. Journal of Polymer Science Part A, 2009, 47, 4723-4735.	2.5	16
337	Copolymerization of norbornene with methoxycarbonylnorbornene catalyzed by Ni{CF₃C(O)CHC[N(naphthyl)]CH₃}₂/B(C₆F₅)₃ catalytic system and good processability for Dry/Wet phase inversion and electrospinning technique. Journal of Polymer Science Part A, 2011, 49, 4425-4432.	2.5	16
338	Can morphology tailoring based on functionalized fullerene nanostructures improve the performance of organic solar cells?. Journal of Materials Chemistry, 2012, 22, 18768.	6.7	16
339	Origin of the efficiency improvement in pre-annealed P3HT/PCBM solar cells with LiF/Al electrodes. Chemical Physics Letters, 2012, 553, 36-40.	1.2	16
340	Mesogen-controlled ion channel of star-shaped hard-soft block copolymers for solid-state lithium-ion battery. Journal of Polymer Science Part A, 2013, 51, 4341-4350.	2.5	16
341	High-Performance Polymer Solar Cells Realized by Regulating the Surface Properties of PEDOT:PSS Interlayer from Ionic Liquids. ACS Applied Materials & Interfaces, 2016, 8, 27018-27025.	4.0	16
342	In situ implanting carbon nanotube-gold nanoparticles into ZnO as efficient nanohybrid cathode buffer layer for polymer solar cells. Organic Electronics, 2016, 38, 350-356.	1.4	16

#	Article	IF	Citations
343	Synergistic effect of processing additives and thermal annealing in organic solar cells: the â€œMorphology of Magicâ€• Physical Chemistry Chemical Physics, 2017, 19, 10581-10589.	1.3	16
344	Thioether Bond Modification Enables Boosted Photovoltaic Performance of Nonfullerene Polymer Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 32218-32224.	4.0	16
345	Iron-based nanocomposites implanting in N, P Co-doped carbon nanosheets as efficient oxygen reduction electrocatalysts for Zn-Air batteries. Composites Communications, 2022, 29, 100994.	3.3	16
346	Nonfused Ring Electron Acceptors for Efficient Organic Solar Cells Enabled by Multiple Intramolecular Conformational Locks. ACS Applied Energy Materials, 2022, 5, 5136-5145.	2.5	16
347	Reactive Inhibition Strategy for Tripleâ€cation Mixedâ€halide Perovskite Ink with Prolonged Shelfâ€life. Advanced Energy Materials, 2022, 12, .	10.2	16
348	Fluorescence of Mg-Al-Eu Ternary Layered Double Hydroxide Sensitivity to Phenylalanine. Journal of Fluorescence, 2011, 21, 1677-1682.	1.3	15
349	Enhancement of the ultraviolet emission of ZnO nanorods by terphenyl liquid-crystalline ligands modification. Applied Surface Science, 2011, 257, 8788-8793.	3.1	15
350	Hybrid bulk heterojunction solar cells based on poly(3-hexylthiophene) and ZnO nanoparticles modified by side-chain functional polythiophenes. Thin Solid Films, 2012, 526, 120-126.	0.8	15
351	Diketopyrrolopyrroleâ€based liquid crystalline conjugated donorâ€“acceptor copolymers with reduced band gap for polymer solar cells. Journal of Polymer Science Part A, 2013, 51, 258-266.	2.5	15
352	Self-assembled buffer layer from conjugated diblock copolymers with ethyleneoxide side chains for high efficiency polymer solar cells. Journal of Materials Chemistry C, 2014, 2, 8054-8064.	2.7	15
353	Poly(3-butylthiophene) Inducing Crystallization of Small Molecule Donor for Enhanced Photovoltaic Performance. Journal of Physical Chemistry C, 2015, 119, 23310-23318.	1.5	15
354	Solution-processed small molecules based on benzodithiophene and difluorobenzothiadiazole for inverted organic solar cells. Polymer Chemistry, 2015, 6, 7726-7736.	1.9	15
355	A homogeneous ethanedithiol doped ZnO electron transporting layer for polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 8738-8744.	2.7	15
356	A 1 â€•A 2 Type Wide Bandgap Polymers for Highâ€Performance Polymer Solar Cells: Energy Loss and Morphology. Solar Rrl, 2019, 3, 1800291.	3.1	15
357	Wide Band-gap Two-dimension Conjugated Polymer Donors with Different Amounts of Chlorine Substitution on Alkoxyphenyl Conjugated Side Chains for Non-fullerene Polymer Solar Cells. Chinese Journal of Polymer Science (English Edition), 2020, 38, 797-805.	2.0	15
358	â€œDouble-Acceptor-Typeâ€•Random Conjugated Terpolymer Donors for Additive-Free Non-Fullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 20741-20749.	4.0	15
359	Current Development toward Commercialization of Metalâ€Halide Perovskite Photovoltaics. Advanced Optical Materials, 2021, 9, 2100390.	3.6	15
360	GRAFTING POLY(N-ISOPROPYL ACRYLAMIDE) FROM POLY(VINYLIDENE FLUORIDE) MIROFILTRATION, MEMBRANES VIA DIRECT SURFACE-INITIATED, ATOM TRANSFER RADICAL POLYMERIZATION, AND TEMPERATURE SENSITIVITY. Surface Review and Letters, 2009, 16, 111-121.	0.5	14

#	Article	IF	Citations
361	Synthesis and properties of polyacetylenes containing bis(4-alkylphenyl)terephthalate as pendant and methyleneoxy as spacer. Synthetic Metals, 2009, 159, 1649-1656.	2.1	14
362	Self-assembled mesogens modified fullerene for efficiently stable bulk heterojunction solar cells. Solar Energy Materials and Solar Cells, 2012, 97, 34-42.	3.0	14
363	Inter-crosslinking through both donor and acceptor with unsaturated bonds for highly efficient and stable organic solar cells. Polymer Chemistry, 2013, 4, 5637.	1.9	14
364	Controlled release of brefeldin A from electrospun PEGâ€“PLLA nanofibers and their in vitro antitumor activity against HepG2 cells. Materials Science and Engineering C, 2013, 33, 2513-2518.	3.8	14
365	N,O-chelating bidentate Ni (II) and Pd (II) complexes for copolymerization of norbornene and norbornene ester. Journal of Organometallic Chemistry, 2014, 752, 100-108.	0.8	14
366	Hybrid Network Sulfonated Polynorbornene/Silica Membranes with Enhanced Proton Conductivity by Doped Phosphotungstic Acid. Fuel Cells, 2014, 14, 26-34.	1.5	14
367	Enhanced performance for organic bulk heterojunction solar cells by cooperative assembly of ter(ethylene oxide) pendants. Polymer Chemistry, 2014, 5, 4480-4487.	1.9	14
368	Facile fabrication of thermally responsive Pluronic F127-based nanocapsules for controlled release of doxorubicin hydrochloride. Colloid and Polymer Science, 2014, 292, 1521-1530.	1.0	14
369	Multi-Chlorine-Substituted Self-Assembled Molecules As Anode Interlayers: Tuning Surface Properties and Humidity Stability for Organic Photovoltaics. ACS Applied Materials & Interfaces, 2017, 9, 9204-9212.	4.0	14
370	Self-doped polymer with fluorinated phenylene as hole transport layer for efficient polymer solar cells. Organic Electronics, 2018, 61, 207-214.	1.4	14
371	Large-scale ultra-adhesive and mechanically flexible silver grids transparent electrodes by solution process. Organic Electronics, 2018, 61, 296-303.	1.4	14
372	Incorporation of two electron acceptors to improve the electron mobility and stability of perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 8344-8349.	2.7	14
373	Green quasi-solid-state planar asymmetric supercapacitors with high working voltage and extraordinary volumetric energy density. Journal of Materials Chemistry A, 2021, 9, 14363-14371.	5.2	14
374	Enriching redox active sites by interconnected nanowalls-like nickel cobalt phospho-sulfide nanosheets for high performance supercapacitors. Chinese Chemical Letters, 2021, 32, 3553-3557.	4.8	14
375	Layer-by-Layer Solution-Processed Organic Solar Cells with Perylene Diimides as Acceptors. ACS Applied Materials & Interfaces, 2021, 13, 29876-29884.	4.0	14
376	A Regularityâ€Based Fullerene Interfacial Layer for Efficient and Stable Perovskite Solar Cells via Bladeâ€Coating. Advanced Functional Materials, 2022, 32, 2105917.	7.8	14
377	The synergistic effects of central core size and end group engineering on performance of narrow bandgap nonfullerene acceptors. Chemical Engineering Journal, 2022, 435, 135020.	6.6	14
378	Rational Regulation of the Molecular Aggregation Enables A Facile Bladeâ€Coating Process of Largeâ€area Allâ€Polymer Solar Cells with Record Efficiency. Small, 2022, 18, e2200734.	5.2	14

#	Article	IF	Citations
379	Mechanical and thermal properties of polypeptide modified hydroxyapatite/poly(L-lactide) nanocomposites. Science China Chemistry, 2011, 54, 431-437.	4.2	13
380	Crystallization, morphology, and mechanical properties of poly(butylene succinate)/poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 52, 2063-2070.	1.5	13
381	Cross-linked zwitterionic polyelectrolytes based on sulfonated poly(ether sulfone) with high proton conductivity for direct methanol fuel cells. Journal of Power Sources, 2012, 212, 13-21.	4.0	13
382	Photocrosslinkable liquid-crystalline polythiophenes with oriented nanostructure and stabilization for photovoltaics. Organic Electronics, 2012, 13, 104-113.	1.4	13
383	Nickel(II) complexes bearing the bis(Î²â€ketoamino) ligand for the copolymerization of norbornene with a higher 1â€alkene. Journal of Applied Polymer Science, 2012, 124, 1323-1332.	1.3	13
384	Understanding the mechanism of poly(3-hexylthiophene)-b-poly(4-vinylpyridine) as a nanostructuring compatibilizer for improving the performance of poly(3-hexylthiophene)/ZnO-based hybrid solar cells. Journal of Materials Chemistry A, 2013, 1, 10881.	5.2	13
385	Experimental Investigation and Theoretical Calculation of Molecular Architectures on Carbazole for Photovoltaics. Journal of Physical Chemistry C, 2013, 117, 9581-9589.	1.5	13
386	In Situ Fabricating One-Dimensional Donorâ€“Acceptor Coreâ€“Shell Hybrid Nanobeams Network Driven by Self-Assembly of Diblock Copolythiophenes. Macromolecules, 2014, 47, 1757-1767.	2.2	13
387	Amphiphilic fullerene derivative as effective interfacial layer for inverted polymer solar cells. Organic Electronics, 2016, 37, 35-41.	1.4	13
388	Surface treatment by binary solvents induces the crystallization of a small molecular donor for enhanced photovoltaic performance. Physical Chemistry Chemical Physics, 2016, 18, 735-742.	1.3	13
389	Single-strand and ladder-type polymeric acceptors based on regioisomerically-pure perylene diimides towards all-polymer solar cells. Polymer, 2019, 162, 108-115.	1.8	13
390	Bithiazole-based copolymer with deep HOMO level and noncovalent conformational lock for organic photovoltaics. Organic Electronics, 2019, 64, 110-116.	1.4	13
391	Recent Developments of nâ€Type Organic Thermoelectric Materials: Influence of Structure Modification on Molecule Arrangement and Solution Processing. ChemSusChem, 2022, 15, .	3.6	13
392	Polymerization of styrene using bis(Î²-ketoamino)nickel(II)/methylaluminoxane catalytic systems. Journal of Applied Polymer Science, 2007, 105, 500-509.	1.3	12
393	Enhanced Photoluminescence, Mesomorphism and Conformation of Liquidâ€Crystalline Conjugated Polymers with Terphenyl Mesogen Pendants. Macromolecular Chemistry and Physics, 2011, 212, 24-41.	1.1	12
394	Preparation of Nanosilica/Polynorbornene Nanocomposite by Covalently Immobilized Silicaâ€Supported Acetylacetonate Palladium(II) Dichloride Catalyst. Macromolecular Chemistry and Physics, 2011, 212, 2378-2388.	1.1	12
395	Photoluminescence of Eu-doped ZnAl-LDH depending on phase transitions caused by annealing temperatures. Journal of Luminescence, 2011, 131, 701-704.	1.5	12
396	Homoâ€and copolymerization of norbornene and 5â€norborneneâ€2â€yl acetate with bisâ€(Î²â€ketonaphthylamino)palladium(II)/B(C₆F₅)₃ catalytic system. Polymers for Advanced Technologies, 2012, 23, 483-490.	1.6	12

#	Article	IF	Citations
397	Solution processed and self-assembled polymerizable fullerenes/metal oxide as an interlayer for high efficient inverted polymer solar cells. Journal of Materials Chemistry C, 2014, 2, 10282-10290.	2.7	12
398	Novel photovoltaic donor 1â€“acceptorâ€“donor 2â€“acceptor terpolymers with tunable energy levels based on a difluorinated benzothiadiazole acceptor. RSC Advances, 2015, 5, 12087-12093.	1.7	12
399	Tunable size and sensitization of ZnO nanoarrays as electron transport layers for enhancing photocurrent of photovoltaic devices. Journal of Materials Chemistry C, 2015, 3, 828-835.	2.7	12
400	Optimization of perovskite by 3D twisted diketopyrrolopyrrole for efficient perovskite solar cells. Materials Chemistry Frontiers, 2017, 1, 1179-1184.	3.2	12
401	Semiâ€perfluoroalkylated perylene diimides for conjugated polymers with high molecular weight and high electron mobility. Journal of Polymer Science Part A, 2018, 56, 116-124.	2.5	12
402	Exploring Overall Photoelectric Applications by Organic Materials Containing Symmetric Donor Isomers. Chemistry of Materials, 2019, 31, 8810-8819.	3.2	12
403	Seleno twisted benzodiperylenediimides: facile synthesis and excellent electron acceptors for additive-free organic solar cells. Chemical Communications, 2019, 55, 703-706.	2.2	12
404	Subnaphthalocyanine triimides: potential three-dimensional solution processable acceptors for organic solar cells. Journal of Materials Chemistry C, 2020, 8, 2186-2195.	2.7	12
405	Twoâ€Dimension Conjugated Acceptors Based on Benzodi(cyclopentadithiophene) Core with Thiopheneâ€Fused Ending Group for Efficient Polymer Solar Cells. Solar Rrl, 2020, 4, 2000071.	3.1	12
406	Ultra-flexible and waterproof perovskite photovoltaics for washable power source applications. Chemical Communications, 2021, 57, 6320-6323.	2.2	12
407	Wearable Tinâ€Based Perovskite Solar Cells Achieved by a Crystallographic Size Effect. Angewandte Chemie, 2021, 133, 14814-14821.	1.6	12
408	Novel efficient accptor1-acceptor2 type copolymer donors: Vinyl induced planar geometry and high performance organic solar cells. Chemical Engineering Journal, 2021, 419, 129532.	6.6	12
409	Enhanced Efficiency and Excellent Thermostability in Organic Photovoltaics via Ternary Strategy with Twisted Conjugated Compound. Small, 2021, 17, e2103537.	5.2	12
410	Colloidal chemistry in perovskite precursor solution. Science Bulletin, 2022, 67, 561-564.	4.3	12
411	An optimized nonlinear optical chromophore in a low-glass-transition-temperature photorefractive polymer. Journal Physics D: Applied Physics, 1998, 31, 2245-2248.	1.3	11
412	Thermotropic Aromatic/Lactide Copolyesters with Lateral Methoxyethyleneoxy Substituents. Chemistry of Materials, 2003, 15, 694-698.	3.2	11
413	Preparation and biodegradation of copolyesters based on poly(ethylene terephthalate) and poly(ethylene glycol)/oligo(lactic acid) by transesterification. Polymer Engineering and Science, 2010, 50, 76-83.	1.5	11
414	Crystallization behavior and mechanical strength of poly(butylene succinateâ€coâ€ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Engineering and Science, 2012, 52, 2506-2517.	1.5	11

#	Article	IF	Citations
415	Performance Enhancement of Bulk Heterojunction Solar Cells with Direct Growth of CdSâ€Clusterâ€Decorated Graphene Nanosheets. Chemistry - A European Journal, 2014, 20, 6010-6018.	1.7	11
416	A Versatile Buffer Layer for Polymer Solar Cells: Rendering Surface Potential by Regulating Dipole. Advanced Functional Materials, 2015, 25, 3164-3171.	7.8	11
417	Postâ€Treatmentâ€Free Main Chain Donor and Side Chain Acceptor (Dâ€sâ€A) Copolymer for Efficient Nonfullerene Solar Cells with a Small Voltage Loss. Macromolecular Rapid Communications, 2018, 39, e1700706.	2.0	11
418	A rational comparison of the effects of halogen atoms incorporated into the polymer donors on the performance of polymer solar cells. Organic Electronics, 2019, 70, 86-92.	1.4	11
419	Nondestructive Transfer Strategy for High-Efficiency Flexible Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 47003-47007.	4.0	11
420	Highly porous Mn₃O₄ nanosheets with in situ coated carbon enabling fully screen-printed planar supercapacitors with remarkable volumetric performance. Journal of Materials Chemistry A, 2021, 9, 4273-4280.	5.2	11
421	Thickness-Insensitive Anode Interface Layer for High-Efficiency Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 39844-39853.	4.0	11
422	Bi-functional host polymer based low glass transition temperature photorefractive composite. Solid State Communications, 1998, 108, 295-299.	0.9	10
423	Facilely dispersible magnetic nanoparticles prepared by a surface-initiated atom transfer radical polymerization. Materials Letters, 2008, 62, 4542-4544.	1.3	10
424	Vinylâ€addition copolymerization of norbornene and polar norbornene derivatives using novel bis(Î²â€ketoamino)Ni(II)/B(C₆F₅)₃/AlEt₃ catalytic systems. Journal of Applied Polymer Science, 2011, 120, 2008-2016.	1.3	10
425	Crosslinked electrolytes based on poly(butoxymethylenenorbornene) for proton exchange membrane. Journal of Applied Polymer Science, 2012, 123, 3225-3233.	1.3	10
426	Donorâ€“acceptorâ€integrated conjugated polymers based on carbazole[3,4â€c:5,6â€c]bis[1,2,5]thiadiazole with tight Ï€â€“Ï€ stacking for photovoltaics. Journal of Polymer Science Part A, 2013, 51, 565-574.	2.5	10
427	A round robin study of polymer solar cells and small modules across China. Solar Energy Materials and Solar Cells, 2013, 117, 382-389.	3.0	10
428	Novel phenanthrocarbazole based donor-acceptor random and alternating copolymers for photovoltaics. Journal of Polymer Science Part A, 2013, 51, 4885-4893.	2.5	10
429	Direct Anisotropic Growth of CdS Nanocrystals in Thermotropic Liquid Crystal Templates for Heterojunction Optoelectronics. Chemistry - A European Journal, 2014, 20, 11488-11495.	1.7	10
430	Tuning joint sequence for donorâ€“acceptor polymers based on fluorinated benzothiadiazole with thiophene/furan bridecakes. Polymer, 2015, 78, 154-160.	1.8	10
431	Crystallization and Optical Compensation by Fluorinated Rod Liquid Crystals for Ternary Organic Solar Cells. Journal of Physical Chemistry C, 2016, 120, 18462-18472.	1.5	10
432	Dye-Incorporated Polynaphthalenediimide Acceptor for Additive-Free High-Performance All-Polymer Solar Cells. Angewandte Chemie, 2018, 130, 4670-4674.	1.6	10

#	Article	IF	Citations
433	Morphological optimization by rational matching of the donor and acceptor boosts the efficiency of alkylsilyl fused ring-based polymer solar cells. Journal of Materials Chemistry A, 2019, 7, 4847-4854.	5.2	10
434	Isomeric Effect of Wide Bandgap Polymer Donors with High Crystallinity to Achieve Efficient Polymer Solar Cells. Macromolecular Rapid Communications, 2020, 41, e2000454.	2.0	10
435	A novel AIE molecule as a hole transport layer enables efficient and stable perovskite solar cells. Chemical Communications, 2021, 57, 4015-4018.	2.2	10
436	Regulation of the Miscibility of the Active Layer by Random Terpolymer Acceptors to Realize High-Performance All-Polymer Solar Cells. ACS Applied Polymer Materials, 2021, 3, 1923-1931.	2.0	10
437	Manipulating the electronic configuration of Feâ€“N‹sub›4‹/sub›sites by an electron-withdrawing/donating strategy with improved oxygen electroreduction performance. Materials Chemistry Frontiers, 2022, 6, 1209-1217.	3.2	10
438	A novel effective electro-optical chromophore for the photorefractive performance in poly(N-vinylcarbazole) based composite. Solid State Communications, 1998, 106, 299-302.	0.9	9
439	Photorefractive material based on a polymer containing photoconductors and nonlinear chromophores. Optics Communications, 2003, 228, 341-348.	1.0	9
440	Preparing polymer brushes on polytetrafluoroethylene films by free radical polymerization. Applied Surface Science, 2006, 253, 983-988.	3.1	9
441	Preparing polymer brushes on poly(vinylidene fluoride) films by free radical polymerization. Journal of Applied Polymer Science, 2006, 101, 857-862.	1.3	9
442	Synthesis of Aliphatic-Aromatic Copolyesters by a Melting Bulk Reaction Between Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.8	9
443	Photoluminescent, liquidâ€crystalline, and electrochemical properties of ‹i›para‹/i›â€phenyleneâ€based alternating conjugated copolymers. Journal of Polymer Science Part A, 2010, 48, 434-442.	2.5	9
444	Enhanced conductivity of novel star branched liquid crystalline copolymer based on poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	9
445	Tuning the photovoltaic parameters of thiophene-linked donorâ€“acceptor liquid crystalline copolymers for organic photovoltaics. Polymer Chemistry, 2012, 3, 710.	1.9	9
446	Sulfonated copoly(norbornene)s bearing sultone pendant groups and application as proton exchange membranes candidates. Journal of Polymer Research, 2012, 19, 1.	1.2	9
447	Approach to a block polymer precursor from poly(3-hexylthiophene) nitroxide-mediated in situ polymerization for stabilization of poly(3-hexylthiophene)/ZnO hybrid solar cells. Thin Solid Films, 2012, 520, 6299-6306.	0.8	9
448	Modulation of the molecular geometry of carbazolebis(thiadiazole)-based conjugated polymers for photovoltaic applications. Polymer Chemistry, 2013, 4, 2480.	1.9	9
449	Cooperative Assembly of Pyrene-Functionalized Donor/Acceptor Blend for Ordered Nanomorphology by Intermolecular Noncovalent Ï€â€“Ï€ Interactions. ACS Applied Materials & Interfaces, 2014, 6, 8115-8123.	4.0	9
450	Random copolymers containing tetrafluorophenylene unit with deep HOMO energy levels for solar cell applications. Synthetic Metals, 2017, 226, 71-79.	2.1	9

#	Article	IF	Citations
451	Effect of substituents of twisted benzodiperylenediimides on non-fullerene solar cells. Organic Electronics, 2017, 47, 72-78.	1.4	9
452	Conjugated polymers based on 1,8â€naphthalene monoimide with high electron mobility. Journal of Polymer Science Part A, 2018, 56, 276-281.	2.5	9
453	Concerted regulation on vertical orientation and film quality of two-dimensional ruddlesden-popper perovskite layer for efficient solar cells. Science China Chemistry, 2020, 63, 1675-1683.	4.2	9
454	Deciphering the Precursorâ€“Performance Relationship of Singleâ€Atom Iron Oxygen Electroreduction Catalysts via Isomer Engineering. Small, 2022, 18, e2106122.	5.2	9
455	AIE Molecules UVâ€Filtering Effect Improves the Photostability of Organic Solar Cells. Advanced Optical Materials, 2022, 10, .	3.6	9
456	Synthesis and characterization of photorefractive materials based on polymers containing photoconductors and nonlinear chromophores. Materials Letters, 2003, 57, 4372-4377.	1.3	8
457	Melting bulk reaction between poly(butylene terephthalate) and poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td	1.3	8
458	Preparation and Hydrolytic Degradation of Poly(hexylene Terephthalate-co-Lactide) co-Polyesters From Melting Polycondensation. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 99-114.	1.9	8
459	Preparation of silica hollow fibers by surface-initiated atom transfer radical polymerization from electrospun fiber templates. Materials Letters, 2009, 63, 1803-1806.	1.3	8
460	Synthesis of Fe₃O₄@PbS Hybrid Nanoparticles Through the Combination of Surface-Initiated Atom Transfer Radical Polymerization and Acidolysis by H₂S. Journal of Nanoscience and Nanotechnology, 2011, 11, 98-105.	0.9	8
461	Synthesis of thienoselenadiazole-containing conjugated copolymers and their application in polymer solar cells. Polymer Journal, 2012, 44, 978-981.	1.3	8
462	Novel Donorâ€Acceptor Copolymers Based on Dithienosilole and Ketone Modified Thieno[3,4â€b]thiophene for Photovoltaic Application. Chinese Journal of Chemistry, 2013, 31, 1455-1462.	2.6	8
463	Hybrid polyelectrolytes based on stable sulfonated polynorbornene with higher proton conductivity and lower methanol permeability. Journal of Power Sources, 2013, 242, 725-731.	4.0	8
464	Dye-Sensitized Nanoarrays with Discotic Liquid Crystals as Interlayer for High-Efficiency Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 17848-17856.	4.0	8
465	Homogeneous Cu2ZnSnSe4 nanocrystals/graphene oxide nanocomposites as hole transport layer for polymer solar cells. Chemical Physics Letters, 2015, 622, 1-8.	1.2	8
466	Formation of cathode buffer layer by surface segregation of fluoroalkyl-modified ZnO for polymer solar cells. RSC Advances, 2015, 5, 23213-23223.	1.7	8
467	Interfacial engineering of ZnO nanoarrays as electron transport layer for polymer solar cells. Organic Electronics, 2015, 26, 487-494.	1.4	8
468	Alternative alcohol-soluble conjugated small molecule electrolytes for high-efficiency inverted polymer solar cells. Physical Chemistry Chemical Physics, 2015, 17, 3637-3646.	1.3	8

#	Article	IF	Citations
469	Versatile Molybdenum Isopropoxide for Efficient Mesoporous Perovskite Solar Cells: Simultaneously Optimized Morphology and Interfacial Engineering. Journal of Physical Chemistry C, 2016, 120, 15089-15095.	1.5	8
470	Alcohol-soluble interfacial fluorenes for inverted polymer solar cells: sequence induced spatial conformation dipole moment. Physical Chemistry Chemical Physics, 2016, 18, 2219-2229.	1.3	8
471	Self-assembled diblock conjugated polyelectrolytes as electron transport layers for organic photovoltaics. RSC Advances, 2017, 7, 24345-24352.	1.7	8
472	Investigation of supramolecular interactions between liquid crystals and PCBM for improved morphological stability in solar cells. Materials Chemistry Frontiers, 2017, 1, 683-692.	3.2	8
473	Perovskite Solar Cells: Highâ€Performance Perovskite Solar Cells with Excellent Humidity and Thermoâ€Stability via Fluorinated Perylenediimide (Adv. Energy Mater. 18/2019). Advanced Energy Materials, 2019, 9, 1970064.	10.2	8
474	Stretchable Perovskite Solar Cells with Recoverable Performance. Angewandte Chemie, 2020, 132, 16745.	1.6	8
475	1,2,4-Triazoline-3,5-dione substituted perylene diimides as near infrared acceptors for bulk heterojunction organic solar cells. Dyes and Pigments, 2021, 187, 109108.	2.0	8
476	Evaporationâ€Free Organic Solar Cells with High Efficiency Enabled by Dry and Nonimmersive Sintering Strategy. Advanced Functional Materials, 2021, 31, 2010764.	7.8	8
477	3D Networkâ€Assisted Crystallization for Fully Printed Perovskite Solar Cells with Superior Irradiation Stability. Advanced Functional Materials, 2022, 32, .	7.8	8
478	Electrostrictive behavior observed in a low glass-transition temperature photorefractive polymeric composite during a two-beam coupling experiment. Applied Physics Letters, 1998, 72, 2939-2941.	1.5	7
479	A fast-response and short-wavelength nonlinear optical chromophore for a photorefractive composite. Applied Physics Letters, 1998, 73, 3629-3631.	1.5	7
480	Nanoporous SiLKÂ® Dielectric Films Prepared from Free-Radical Graft Polymerization and Thermolysis. Macromolecular Chemistry and Physics, 2005, 206, 2483-2489.	1.1	7
481	Synthesis and properties of liquid crystalline conjugated disubstituted polyacetylene containing cyanoterphenyl mesogenic pendant. Synthetic Metals, 2009, 159, 576-582.	2.1	7
482	Effects of substitution and terminal groups for liquid-crystallinity enhanced luminescence of disubstituted polyacetylenes carrying chromophoric terphenyl pendants. Science China Chemistry, 2010, 53, 1302-1315.	4.2	7
483	Stably dispersible P3HT/ZnO nanocomposites with tunable luminescence by in-situ hydrolysis and copolymerization of zinc methacrylate. Journal of Luminescence, 2010, 130, 2332-2338.	1.5	7
484	Studies on high performance nonvolatile polyimides coating: Gamma ray initiated bulk copolymerization of vinyl polar monomer and maleimide-terminated polyimides with flexible backbone and the modifications. Progress in Organic Coatings, 2012, 73, 33-41.	1.9	7
485	Observations of energy transfer and anisotropic behavior in ZnO nanoparticles surface-modified by liquid-crystalline ligands. Journal of Luminescence, 2012, 132, 2114-2121.	1.5	7
486	Characterization of the mechanical properties, crystallization, and enzymatic degradation behavior of poly(butylene succinateâ€coâ€ethyleneoxideâ€coâ€<scp>DL</scp>â€lactide) copolyesters. Journal of Applied Polymer Science, 2012, 123, 2272-2282.	1.3	7

#	Article	IF	Citations
487	Vinylâ€addition type norbornene copolymers containing flexible spacers and sulfonated pendant groups for proton exchange membranes. Journal of Applied Polymer Science, 2013, 128, 3540-3547.	1.3	7
488	Norbornene/n-Butyl methacrylate copolymerization over Î±-Diimine nickel and palladium catalysts supported on multiwalled carbon nanotubes. Journal of Polymer Science Part A, 2014, 52, 3213-3220.	2.5	7
489	High charge mobility polymers based on a new di(thiophen-2-yl)thieno[3,2-b]thiophene for transistors and solar cells. Polymer Chemistry, 2015, 6, 7684-7692.	1.9	7
490	Optical Properties of Benzotriazole-Based Conjugated Polyelectrolytes. Macromolecules, 2016, 49, 6343-6349.	2.2	7
491	Assembly of quantum dots in polymer solar cells driven by orientational switching of mesogens under electric field. Solar Energy, 2016, 129, 184-191.	2.9	7
492	DR3TBDTT Based Ternary Blends Containing Conjugated Polymers: Crystallization Determines Morphology and Performance. Chinese Journal of Chemistry, 2018, 36, 437-442.	2.6	7
493	Thick polyfluorene-based polyelectrolytes realized by regulation of conjugated backbone as cathode interface layers for efficient polymer solar cells. Journal of Power Sources, 2019, 423, 26-33.	4.0	7
494	Introducing Porphyrin Units by Random Copolymerization Into NDI-Based Acceptor for All Polymer Solar Cells. Frontiers in Chemistry, 2020, 8, 310.	1.8	7
495	Preparation of Polymer@PbS hybrid nanofibers by surface-initiated atom transfer radical polymerization and acidolysis by H2S. Materials Letters, 2009, 63, 1425-1427.	1.3	6
496	Synthesis and properties of monopolyacetylenes with terphenyl mesogens groups linked at waist position. Synthetic Metals, 2009, 159, 2049-2055.	2.1	6
497	Synthesis and properties of novel ferroelectric liquid crystalline polyacetylenes containing terphenyl mesogens with chiral groups. Journal of Thermal Analysis and Calorimetry, 2011, 105, 995-1006.	2.0	6
498	Transesterificationâ€induced cocrystallization of poly(trimethylene terephthalate) and poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	6
499	In situ growth nanocomposites composed of rodlike ZnO nanocrystals arranged by nanoparticles in a self-assembling diblock copolymer for heterojunction optoelectronics. Journal of Materials Chemistry, 2012, , .	6.7	6
500	In Situ Photocatalytically Heterostructured ZnOï£¿Ag Nanoparticle Composites as Effective Cathodeâ€Modifying Layers for Airâ€Processed Polymer Solar Cells. Chemistry - A European Journal, 2015, 21, 11899-11906.	1.7	6
501	Ternary thick active layer for efficient organic solar cells. Journal of Materials Science, 2018, 53, 8398-8408.	1.7	6
502	Synthesis and property study of phthalocyanine tetraimides as solution processable electron acceptors. Dyes and Pigments, 2020, 173, 107980.	2.0	6
503	Over 70% Fill Factor of Allâ€Polymer Solar Cells Guided by the Law of Similarity and Intermiscibility. Solar Rrl, 2021, 5, 2100019.	3.1	6
504	Halogen-free donor polymers based on dicyanobenzotriazole for additive-free organic solar cells. Chemical Engineering Journal, 2022, 442, 136068.	6.6	6

#	Article	IF	Citations
505	PREPARATION OF POLYMER BRUSHES FROM POLY(VINYLIDENE FLUORIDE) SURFACES BY UV IRRADIATION PRETREATMENT. Surface Review and Letters, 2007, 14, 23-30.	0.5	5
506	Synthesis of Proton-conducting Electrolytes Based on Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (fluoride-co-hexafluo Polymers, 2009, 21, 484-500.	0.8	5
507	Synthesis and Properties of Light-Emitting Polythiophene Derivatives Bearing Terphenyl Mesogenic Pendant. Molecular Crystals and Liquid Crystals, 2010, 518, 70-83.	0.4	5
508	Sulfonated poly(ether sulfone ether ketone ketone)/sulfonated poly(ether sulfone) blend membranes with reduced methanol permeability. High Performance Polymers, 2012, 24, 153-160.	0.8	5
509	The fluorescence of Mgâ€“Alâ€“Eu ternary layered hydroxides response to tryptophan. Luminescence, 2012, 27, 223-228.	1.5	5
510	Coexistence of two conformational isomeric chains in a zinc(II) phosphonate induced by Ï€Â·Â·Â·Ï€ stacking interactions. Structural Chemistry, 2012, 23, 91-96.	1.0	5
511	Vinylâ€addition type norbornene copolymer containing sulfonated biphenyl pendant groups for proton exchange membranes. Journal of Applied Polymer Science, 2013, 127, 2280-2289.	1.3	5
512	Structure Evolution of Fluorinated Conjugated Polymers Based on Benzodithiophene and Benzothiadiazole for Photovoltaics. Journal of Physical Chemistry C, 2015, 119, 8038-8045.	1.5	5
513	Flexible Solar Cells: A General Approach for Labâ€toâ€Manufacturing Translation on Flexible Organic Solar Cells (Adv. Mater. 41/2019). Advanced Materials, 2019, 31, 1970294.	11.1	5
514	Surface microstructural engineering of silicone elastomers for high performance adhesive surface-enabled mechanical energy harvesters. Journal of Materials Chemistry A, 2022, 10, 9643-9654.	5.2	5
515	High molecular weight polymeric acceptors based on semi-perfluoroalkylated perylene diimides for pseudo-planar heterojunction all-polymer organic solar cells. Polymer, 2022, 255, 125114.	1.8	5
516	Electroabsorption and orientationally enhanced electroabsorption grating in an azo-dyeâ€"doped photorefractive composite. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 366.	0.9	4
517	A versatile approach for the fabrication of Au hollow nanoparticles based on poly(styrene-co-2-aminoethyl methacrylate) template. Journal of Materials Science, 2009, 44, 4710-4714.	1.7	4
518	Preparation of silica microtubes by surface-initiated atom transfer radical polymerization from microfiber templates. Polymer Bulletin, 2009, 62, 615-627.	1.7	4
519	Fluorescence and phase transitions of Mg-Al-Eu ternary layered double hydroxides â€“ dependence on annealing. Clay Minerals, 2011, 46, 487-493.	0.2	4
520	Transesterification-Induced Evolution of Structure and Morphology in Poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (t 51, 2361-2376.	0.4	4
521	Silica-supported Ni(II) complex bearing [O^N] ligand and copolymerization to afford silica hybrid polynorbornenes nanocomposites. High Performance Polymers, 2013, 25, 287-300.	0.8	4
522	High Efficiency of Poly(3-hexylthiophene)/[6,6]-phenyl C61 Butyric Acid Methyl Ester Bulk Heterojunction Solar Cells through Precrystallining of Poly(3-hexylthiophene) Based Layer. ACS Applied Materials & Interfaces, 2013, 5, 5986-5993.	4.0	4

#	Article	IF	Citations
523	Novel Poly(<scp>B</scp>enzonorbornadiene) Derivatives Prepared by a Threeâ€<scp>D</scp>imensional Geometry Bimetallic Nickel Catalyst with Good Processability for Electrospinning. Macromolecular Materials and Engineering, 2014, 299, 470-477.	1.7	4
524	Crystallization and degradation behaviors of poly(butylene succinate)/poly(Z-l-lysine) composites. Thermochimica Acta, 2014, 575, 279-284.	1.2	4
525	A Facile Approach To Fabricate High-Performance Polymer Solar Cells with an Annealing-Free and Simple Device of Three Layers. Journal of Physical Chemistry C, 2015, 119, 11619-11624.	1.5	4
526	Alternating terpolymers based on tunable Bi-donors with manipulating energy levels and molecular geometry. Chemical Research in Chinese Universities, 2017, 33, 305-311.	1.3	4
527	Photonic Nanostructures: Photonic Nanostructures Patterned by Thermal Nanoimprint Directly into Organoâ€Metal Halide Perovskites (Adv. Mater. 12/2017). Advanced Materials, 2017, 29, .	11.1	4
528	Crystalline and active additive for optimization morphology and absorption of narrow bandgap polymer solar cells. Journal of Polymer Science Part A, 2017, 55, 726-733.	2.5	4
529	Hole Transportation: Enhanced Hole Transportation for Inverted Tinâ€Based Perovskite Solar Cells with High Performance and Stability (Adv. Funct. Mater. 18/2019). Advanced Functional Materials, 2019, 29, 1970117.	7.8	4
530	N-Doped Carbon Coated SnS/rGO Composite with Superior Cyclic Stability as Anode for Lithium-Ion Batteries. Industrial & Engineering Chemistry Research, 2022, 61, 4339-4347.	1.8	4
531	Quantum Dot Hybridization of Piezoelectric Polymer Films for Non-Transfer Integration of Flexible Biomechanical Energy Harvesters. ACS Applied Materials & Interfaces, 2022, 14, 29934-29944.	4.0	4
532	In Vivo Evaluation of Butylene Terephthalate-ethylene Oxide-DL, Lactide Polymer as Porous Scaffolds for Tissue Engineering. Journal of Bioactive and Compatible Polymers, 2009, 24, 43-55.	0.8	3
533	Synthesis and characterization of sulfonated poly(ether sulfone ether ketone ketone) for proton exchange membranes. Journal of Applied Polymer Science, 2010, 117, 1436-1445.	1.3	3
534	Liquid crystallinity and enhanced photoluminescence of terphenyl-containing poly(1-alkynes) with tuning spacers and tails. Synthetic Metals, 2010, 160, 892-905.	2.1	3
535	Copolymerization of norbornene with styrene catalyzed by Ni{CF3C(O)CHC[N(naphthyl)]CH3}2/B(C6F5)3 and transparent films. Journal of Polymer Engineering, 2012, 32, .	0.6	3
536	Synthesis and characterization of biodegradable poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (succinate)â€coâ€ Journal of Applied Polymer Science, 2012, 125, 3092-3099.	1.3	3
537	Approach to cross-linked polynorbornene/ZnO nanocomposites through nitroxide-mediated free radical graft polymerization and in situ hydrolysis. Optical Materials, 2012, 34, 1563-1569.	1.7	3
538	Inverted polymer solar cells with a low-temperature ramp annealed solâ€“gel derived aluminum-doped ZnO nano-ridge film as a cathode buffer layer. Chemical Physics Letters, 2014, 592, 96-102.	1.2	3
539	Crystallization and shear-induced formation of organogels in novel poly[(butylene succinate)-co -diolisobutyl]-[polyhedral oligomeric silsesquioxane] copolyesters. Polymer International, 2014, 63, 626-632.	1.6	3
540	Disulfide-crosslinked poly(L-glutamic acid) grafted mesoporous silica nanoparticles and their potential application in drug delivery. Chemical Research in Chinese Universities, 2015, 31, 890-894.	1.3	3

#	Article	IF	Citations
541	Highly-efficient polymer solar cells realized by tailoring conjugated skeleton of alcohol-soluble conjugated electrolytes. Solar Energy Materials and Solar Cells, 2016, 157, 644-651.	3.0	3
542	Double acceptor block-based copolymers for efficient organic solar cells: side-chain and Ï€-bridge engineered high open-circuit voltage and small driving force. Polymer Chemistry, 2019, 10, 6227-6235.	1.9	3
543	Recent Advances of PEDOT in Flexible Energy Conversion and Storage Devices. Acta Chimica Sinica, 2021, 79, 853.	0.5	3
544	High-Î¤ La2O3 as an anode modifier to reduce leakage current for efficient perovskite solar cells. Surfaces and Interfaces, 2021, 24, 101102.	1.5	3
545	Ferroelectric Polymer Drives Performance Enhancement of Nonâ€fullerene Organic Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	3
546	The design, fabrication and property study for photorefractive applications of novel organic materials. Optical Materials, 2003, 23, 253-259.	1.7	2
547	ELECTROLESS PLATING OF COPPER ON POLYTETRAFLUOROETHYLENE FILMS MODIFIED BY SURFACE-INITIATED FREE RADICAL POLYMERIZATION OF 4-VINYLPYRIDINE. Surface Review and Letters, 2007, 14, 241-253.	0.5	2
548	Melt reaction and structural analysis based on poly(butylene terephthalate) and oligo(lactic acid) with addition of butanediol. Journal of Thermal Analysis and Calorimetry, 2010, 99, 269-275.	2.0	2
549	Synthesis and thermal analysis of disubstituted propiolates bearing terphenylene mesogen. Journal of Thermal Analysis and Calorimetry, 2010, 99, 391-397.	2.0	2
550	Surface-initiated addition polymerization of norbornene by a Pd(II) catalyst bearing acetylacetone ligand on the glass slide. Applied Surface Science, 2012, 258, 3779-3784.	3.1	2
551	Synthesis and cytotoxicity of brefeldin A conjugated monomethoxy-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (Terep 986-998.	1.9	2
552	Sequential Structure, Crystallization, and Properties of Biodegradable Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (Terep Physics, 2014, 53, 1231-1243.	0.4	2
553	Elastomers uploaded electrospun nanofibrous membrane as solid state polymer electrolytes for lithium-ion batteries. RSC Advances, 2015, 5, 82960-82967.	1.7	2
554	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. Angewandte Chemie, 2021, 133, 19201-19205.	1.6	2
555	Highly crystalline acceptor materials based on benzodithiophene with different amount of fluorine substitution on alkoxyphenyl conjugated side chains for organic photovoltaics. Materials Reports Energy, 2021, 1, 100059.	1.7	2
556	Reply to the â€˜Comment on â€œTremendously enhanced photocurrent enabled by tripletâ€“triplet annihilation up-conversion for high-performance perovskite solar cellsâ€â€™ by L. Nienhaus and T. W. Schmidt, Energy Environ. Sci., 2021, 14, 10.1039/D1EE01446C. Energy and Environmental Science, 2021, 14, 6053-6054.	15.6	2
557	Photopolymerization of glycerin triglycidyl ether based systems. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 795-798.	0.4	1
558	Synthesis and Characterization of a New Type of Smart Hydroxyapatite-PNIPAM Hybrid Nanopatrticles. Advanced Materials Research, 2011, 396-398, 35-39.	0.3	1

#	Article	IF	Citations
559	Hybrid polymers based on sulfonated polynorbornene with enhanced proton conductivity for direct methanol fuel cells. High Performance Polymers, 2012, 24, 756-764.	0.8	1
560	Controllable length and density ZnO@CdS core/shell as electron transport layer for optimization of organic solar cells. Journal of Materials Science: Materials in Electronics, 2016, 27, 3557-3564.	1.1	1
561	Solar Cells: Nucleation and Crystallization Control via Polyurethane to Enhance the Bendability of Perovskite Solar Cells with Excellent Device Performance (Adv. Funct. Mater. 41/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
562	Specific interaction between fluorine atoms and thiol groups accounting for higher domain purity and photostability in narrowband BHJ systems. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 941-951.	2.4	1
563	InnenrÃ¼cktitelbild: Stretchable Perovskite Solar Cells with Recoverable Performance (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Over	1.6	1
564	Znâ€“Air Batteries: Simultaneously Integrating Single Atomic Cobalt Sites and Co₉S₈ Nanoparticles into Hollow Carbon Nanotubes as Trifunctional Electrocatalysts for Znâ€“Air Batteries to Drive Water Splitting (Small 10/2020). Small, 2020, 16, 2070053.	5.2	1
565	Synthesis and Helical Conformation of New Optically Active Liquid Crystalline Polythiophene Containing Cyanoterphenyl Mesogen Pendant. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2010, 26, 971-980.	2.2	1
566	Polymerization of n-butyl methylacrylate using bis(Î²- ketoamino)nickel(II)/MAO catalytic systems. E-Polymers, 2008, 8, .	1.3	0
567	A Versatile Approach to the Fabrication of Palladium Hollow Spheres with Aluminiumoxide Nanoparticles as Template. Journal of Nanoscience and Nanotechnology, 2009, 9, 5790-5794.	0.9	0
568	A Dft Study of Styrene Polymerization using Neutral (2Z, 4E)-4-(Methylimino)Pent-2-En-2-Ol Nickel(Ii). Progress in Reaction Kinetics and Mechanism, 2011, 36, 18-26.	1.1	0
569	Preparation and Characterization of a Novel Optical Material Based on Zinc-Tetraphenylporphyrin. Advanced Materials Research, 2012, 476-478, 1254-1257.	0.3	0
570	Copolymerization of 5-norbornene-2-metheneoxy-trimethylsilyl with methyl system. Journal of Polymer Engineering, 2012, 32, 415-423.	0.6	0
571	Macromol. Biosci. 12/2012. Macromolecular Bioscience, 2012, 12, n/a-n/a.	2.1	0
572	Influence of Atomic Defect on the Deformation Properties of Nanowires Subjected to Uniaxial Tension. Advanced Materials Research, 0, 873, 139-146.	0.3	0
573	Novel proton exchange membranes with dimensional stability and permeability resistance based on sulfonate polynorbornenes. Journal of Polymer Engineering, 2013, 33, 275-283.	0.6	0
574	Perovskite Solar Cells: Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers (Adv. Mater. 27/2017). Advanced Materials, 2017, 29, .	11.1	0
575	Wearable Electronics: Wearable Largeâ€Scale Perovskite Solarâ€Power Source via Nanocellular Scaffold (Adv. Mater. 42/2017). Advanced Materials, 2017, 29, .	11.1	0
576	SYNTHESIS AND PROPERTIES OF MESOGEN JACKETED LIQUID CRYSTALLINE POLYACETYLENE BEARING LATERAL TERPHENYL WITH DIFFERENT SPACERS. Acta Polymerica Sinica, 2012, 011, 1439-1444.	0.0	0

#	Article	IF	Citations
577	Highâ€Energy Aqueous Asymmetric Supercapacitors via Synergistic Design of Electrodes Derived from Hierarchical Vanadium Dioxide Nanocomposites. ChemElectroChem, 2022, 9, .	1.7	0