Weihua Tang

List of Publications by Year
in descending order

236 papers	11,650 citations	26567 56 h-index	38300 95 g-index
243 all docs	243 docs citations	243 times ranked	11451 citing authors

#	Article	IF	Citations
1	Intermolecular interaction induced spontaneous aggregation enables over 14% efficiency as-cast nonfullerene solar cells. Chemical Engineering Journal, 2022, 427, 131942.	6.6	7
2	Low structure order acceptor as third component enables high-performance semitransparent organic solar cells. Chemical Engineering Journal, 2022, 428, 132640.	6.6	8
3	Chlorinated unfused acceptor enabling 13.57% efficiency and 73.39% fill factor organic solar cells via fine-tuning alkoxyl chains on benzene core. Chemical Engineering Journal, 2022, 427, 131828.	6.6	29
4	Hydroquinone versus Pyrocatechol Pendants Twisted Conjugated Polymer Cathodes for Highâ€Performance and Robust Aqueous Zincâ€Ion Batteries. Advanced Functional Materials, 2022, 32, 2108225.	7.8	32
5	Design of dopant-free small molecular hole transport materials for perovskite solar cells: a viewpoint from defect passivation. Journal of Materials Chemistry A, 2022, 10, 1150-1178.	5.2	44
6	Simple unfused acceptors with optimal naphthalene isomerization enabling 10.72% as-cast organic solar cells. Chemical Engineering Journal, 2022, 441, 135973.	6.6	12
7	Catalyst-free nitro-coupling synthesis of azo-linked conjugated microporous polymers with superior aqueous energy storage capability. Science China Materials, 2022, 65, 958-966.	3.5	7
8	Transforming wood as nextâ€generation structural and functional materials for a sustainable future. EcoMat, 2022, 4, .	6.8	40
9	Manipulating Polymer Configuration to Accelerate Cation Intercalation Kinetics for Highâ€Performance Aqueous Zincâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	7.8	38
10	Unfused Acceptors Matching Ï€â€Bridge Blocks with Proper Frameworks Enable Over 12% Asâ€Cast Organic Solar Cells. Small, 2022, 18, .	5.2	10
11	Porous Flexible Wood Scaffolds Designed for High-Performance Electrochemical Energy Storage. ACS Sustainable Chemistry and Engineering, 2022, 10, 7078-7090.	3.2	11
12	A quinoxalinophenazinedione covalent triazine framework for boosted high-performance aqueous zinc-ion batteries. Journal of Materials Chemistry A, 2022, 10, 13868-13875.	5.2	35
13	An unfused-ring acceptor enabling â¼12% efficiency for layer-by-layer organic solar cells. Journal of Materials Chemistry C, 2022, 10, 10511-10518.	2.7	5
14	Heating induced aggregation in non-fullerene organic solar cells towards high performance. Journal of Energy Chemistry, 2021, 54, 131-137.	7.1	21
15	Efficient thick film non-fullerene organic solar cells enabled by using a strong temperature-dependent aggregative wide bandgap polymer. Chemical Engineering Journal, 2021, 405, 127033.	6.6	12
16	A low temperature processable tin oxide interlayer via amine-modification for efficient and stable organic solar cells. Journal of Energy Chemistry, 2021, 56, 496-503.	7.1	25
17	9.7%-efficient Sb₂(S,Se)₃ solar cells with a dithieno[3,2-b:2â€²,3â€²-d]pyrrole-cored hole transporting material. Energy and Environmental Science, 2021, 14, 359-364.	15.6	70
18	Poly(dithieno[3,2-b:2â€™,3â€™-d]pyrrole) twisting redox pendants enabling high current durability in all-organic proton battery. Energy Storage Materials, 2021, 36, 1-9.	9.5	54

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19	An unfused-ring acceptor with high side-chain economy enabling 11.17% as-cast organic solar cells. Materials Horizons, 2021, 8, 1008-1016.	6.4	36
20	14.55% efficiency PBDB-T ternary organic solar cells enabled by two alloy-forming acceptors featuring distinct structural orders. Chemical Engineering Journal, 2021, 413, 127444.	6.6	12
21	Asymmetric small organic molecule-based NIR-II fluorophores for high performance tumor phototheranostics. Materials Chemistry Frontiers, 2021, 5, 5689-5697.	3.2	11
22	A donorâ€“acceptor liganded metalâ€“organic framework showcases the hydrogen-bond-enhanced sensing of N-heterocyclic explosives. Journal of Materials Chemistry C, 2021, 9, 12086-12093.	2.7	6
23	Emerging polymer electrodes for aqueous energy storage. Materials Horizons, 2021, 8, 2373-2386.	6.4	18
24	Evaluating the nature of the vertical excited states of fused-ring electron acceptors using TD-DFT and density-based charge transfer. Physical Chemistry Chemical Physics, 2021, 23, 15282-15291.	1.3	5
25	Synergistic Interplay between Asymmetric Backbone Conformation, Molecular Aggregation, and Charge-Carrier Dynamics in Fused-Ring Electron Acceptor-Based Bulk Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 2961-2970.	4.0	12
26	A Simple Dithieno[3,2â€‰:2â€²,3â€²â€‰d]pyrrolâ€Rhodanine Molecular Third Component Enables Over 16.7% Efficiency and Stable Organic Solar Cells. Small, 2021, 17, e2007746.	5.2	22
27	Asymmetric simple unfused acceptor enabling over 12% efficiency organic solar cells. Chemical Engineering Journal, 2021, 412, 128770.	6.6	45
28	High mobility acceptor as third component enabling high-performance large area and thick active layer ternary solar cells. Chemical Engineering Journal, 2021, 418, 129539.	6.6	18
29	Carbonyl-enriched hierarchical carbon synergizes redox electrolyte for highly-efficient and stable supercapacitors. Chemical Communications, 2021, 57, 3716-3719.	2.2	8
30	Highly efficient organic solar cells enabled by a porous ZnO/PEIE electron transport layer with enhanced light trapping. Science China Materials, 2021, 64, 808-819.	3.5	12
31	Hierarchical bimetallic hydroxide/chalcogenide coreâ€“sheath microarrays for freestanding ultrahigh rate supercapacitors. Nanoscale, 2020, 12, 72-78.	2.8	13
32	High performance one-for-all phototheranostics: NIR-II fluorescence imaging guided mitochondria-targeting phototherapy with a single-dose injection and 808Ânm laser irradiation. Biomaterials, 2020, 231, 119671.	5.7	87
33	The design of dithieno[3,2-b:2â€²,3â€²-d]pyrrole organic photovoltaic materials for high-efficiency organic/perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 22572-22592.	5.2	31
34	Toward ideal hole transport materials: a review on recent progress in dopant-free hole transport materials for fabricating efficient and stable perovskite solar cells. Energy and Environmental Science, 2020, 13, 4057-4086.	15.6	241
35	An asymmetric acceptor enabling 77.51% fill factor in organic solar cells. Science Bulletin, 2020, 65, 1876-1879.	4.3	11
36	2D Sideâ€Chain Engineered Asymmetric Acceptors Enabling Over 14% Efficiency and 75% Fill Factor Stable Organic Solar Cells. Advanced Functional Materials, 2020, 30, 2006141.	7.8	40

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37	Over 15.5% efficiency organic solar cells with triple sidechain engineered ITIC. Science Bulletin, 2020, 65, 1533-1536.	4.3	30
38	Charge density modulation on asymmetric fused-ring acceptors for high-efficiency photovoltaic solar cells. Materials Chemistry Frontiers, 2020, 4, 1747-1755.	3.2	15
39	Over 15.7% Efficiency of Ternary Organic Solar Cells by Employing Two Compatible Acceptors with Similar LUMO Levels. Small, 2020, 16, e2000441.	5.2	59
40	TD-DFT benchmark for UV-visible spectra of fused-ring electron acceptors using global and range-separated hybrids. Physical Chemistry Chemical Physics, 2020, 22, 7864-7874.	1.3	47
41	Boosting PEDOT energy storage with redox dopant and electrolyte additive. Chemical Engineering Journal, 2020, 401, 126123.	6.6	26
42	Molecular engineering of acceptors to control aggregation for optimized nonfullerene solar cells. Journal of Materials Chemistry A, 2020, 8, 5458-5466.	5.2	45
43	13.76% efficiency nonfullerene solar cells enabled by selenophene integrated dithieno[3,2-b:2â€²,3â€²-d]pyrrole asymmetric acceptors. Materials Chemistry Frontiers, 2020, 4, 924-932.	3.2	18
44	Modification on the Indacenodithieno[3,2-b]thiophene Core to Achieve Higher Current and Reduced Energy Loss for Nonfullerene Solar Cells. Chemistry of Materials, 2020, 32, 1297-1307.	3.2	46
45	Over 15% Efficiency in Ternary Organic Solar Cells by Enhanced Charge Transport and Reduced Energy Loss. ACS Applied Materials & Interfaces, 2020, 12, 21633-21640.	4.0	26
46	Juglone bonded carbon nanotubes interweaving cellulose nanofibers as self-standing membrane electrodes for flexible high energy supercapacitors. Chemical Engineering Journal, 2020, 396, 125325.	6.6	41
47	Retarding the Crystallization of a Nonfullerene Electron Acceptor for Highâ€Performance Polymer Solar Cells. Advanced Functional Materials, 2019, 29, 1807662.	7.8	57
48	A multi-objective optimization-based layer-by-layer blade-coating approach for organic solar cells: rational control of vertical stratification for high performance. Energy and Environmental Science, 2019, 12, 3118-3132.	15.6	142
49	Carbonized wood-supported hollow NiCo2S4 eccentric spheres for high-performance hybrid supercapacitors. Journal of Alloys and Compounds, 2019, 811, 151858.	2.8	20
50	Tuning of the conformation of asymmetric nonfullerene acceptors for efficient organic solar cells. Journal of Materials Chemistry A, 2019, 7, 22279-22286.	5.2	67
51	A dithieno[3,2-b:2â€²,3â€²-d]pyrrole-cored four-arm hole transporting material for over 19% efficiency dopant-free perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 9455-9459.	2.7	23
52	13.26% Efficiency Polymer Solar Cells by Optimizing Photogenerated Exciton Distribution and Phase Separation with the Third Component. Solar Rrl, 2019, 3, 1900269.	3.1	12
53	Molecular Orientation Unified Nonfullerene Acceptor Enabling 14% Efficiency Asâ€Cast Organic Solar Cells. Advanced Functional Materials, 2019, 29, 1903269.	7.8	56
54	Dithieno[3,2â€b:2â€²,3â€²â€d]pyrrolâ€Cored Hole Transport Material Enabling Over 21% Efficiency Dopantâ€Free Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1904300.	7.8	114

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55	Dithieno[3,2â€b:2â€²,3â€²â€d]pyrrole Cored pâ€Type Semiconductors Enabling 20â€‰% Efficiency Dopantâ€Free Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 13717-13721.	7.2	108
56	Dithieno[3,2â€b:2â€²,3â€²â€d]pyrrole Cored pâ€Type Semiconductors Enabling 20â€‰% Efficiency Dopantâ€Free Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 13855-13859.	1.6	16
57	MOF-derived Co3O4 nanosheets rich in oxygen vacancies for efficient all-solid-state symmetric supercapacitors. Electrochimica Acta, 2019, 328, 135103.	2.6	86
58	Enhancing phase separation with a conformation-locked nonfullerene acceptor for over 14.4% efficiency solar cells. Journal of Materials Chemistry C, 2019, 7, 13279-13286.	2.7	20
59	13.9% Efficiency Ternary Nonfullerene Organic Solar Cells Featuring Low-Structural Order. ACS Energy Letters, 2019, 4, 2378-2385.	8.8	51
60	Nonacyclic carbazole-based non-fullerene acceptors enable over 12% efficiency with enhanced stability for organic solar cells. Journal of Materials Chemistry A, 2019, 7, 21903-21910.	5.2	26
61	Molecular engineering of central fused-ring cores of non-fullerene acceptors for high-efficiency organic solar cells. Journal of Materials Chemistry A, 2019, 7, 4313-4333.	5.2	122
62	A Cu₃PS₄ nanoparticle hole selective layer for efficient inverted perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 4604-4610.	5.2	29
63	A universal layer-by-layer solution-processing approach for efficient non-fullerene organic solar cells. Energy and Environmental Science, 2019, 12, 384-395.	15.6	193
64	Oxygen vacancy-engineered Fe₂O₃nanoarrays as free-standing electrodes for flexible asymmetric supercapacitors. Nanoscale, 2019, 11, 12477-12483.	2.8	64
65	Regulating the morphology of fluorinated non-fullerene acceptor and polymer donor via binary solvent mixture for high efficiency polymer solar cells. Science China Chemistry, 2019, 62, 1221-1229.	4.2	32
66	Functional Cyclodextrin-Clicked Chiral Stationary Phases for Versatile Enantioseparations by HPLC. Methods in Molecular Biology, 2019, 1985, 147-157.	0.4	2
67	Side chain engineering on dithieno[3,2-b:2,3-d]pyrrol fused electron acceptors for efficient organic solar cells. Materials Chemistry Frontiers, 2019, 3, 702-708.	3.2	24
68	Metal-organic frameworks governed well-aligned conducting polymer/bacterial cellulose membranes with high areal capacitance. Energy Storage Materials, 2019, 23, 594-601.	9.5	53
69	Nonfullerene Acceptor for Organic Solar Cells with Chlorination on Dithieno[3,2-b:2â€²,3â€²-d]pyrrol Fused-Ring. ACS Energy Letters, 2019, 4, 763-770.	8.8	102
70	Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by exploring material design and employing friendly stabilizers. Journal of Materials Chemistry A, 2019, 7, 25088-25101.	5.2	107
71	Growth of Ni Mn layered double hydroxide and polypyrrole on bacterial cellulose nanofibers for efficient supercapacitors. Electrochimica Acta, 2019, 295, 82-91.	2.6	89
72	Halloysite nanotubes favored facile deposition of nickel disulfide on NiMn oxides nanosheets for high-performance energy storage. Electrochimica Acta, 2018, 273, 349-357.	2.6	10

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73	A cationic cyclodextrin clicked bilayer chiral stationary phase for versatile chiral separation in HPLC. New Journal of Chemistry, 2018, 42, 3526-3533.	1.4	20
74	Conformation Locking on Fusedâ€Ring Electron Acceptor for Highâ€Performance Nonfullerene Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1705095.	7.8	120
75	Efficient Ternary Polymer Solar Cells with Two Wellâ€Compatible Donors and One Ultranarrow Bandgap Nonfullerene Acceptor. Advanced Energy Materials, 2018, 8, 1702854.	10.2	195
76	A New Hole Transport Material for Efficient Perovskite Solar Cells With Reduced Device Cost. Solar Rrl, 2018, 2, 1700175.	3.1	31
77	High performance non-fullerene polymer solar cells based on PTB7-Th as the electron donor with 10.42% efficiency. Journal of Materials Chemistry A, 2018, 6, 2549-2554.	5.2	73
78	Layered assembly of NiMn-layered double hydroxide on graphene oxide for enhanced non-enzymatic sugars and hydrogen peroxide detection. Sensors and Actuators B: Chemical, 2018, 260, 408-417.	4.0	90
79	Stable and efficient CdS/Sb2Se3 solar cells prepared by scalable close space sublimation. Nano Energy, 2018, 49, 346-353.	8.2	130
80	Dithieno[3,2â€b:2â€²,3â€²â€d]pyrrol Fused Nonfullerene Acceptors Enabling Over 13% Efficiency for Organic Solar Cells. Advanced Materials, 2018, 30, e1707150.	11.1	373
81	Effect of carbon hybridization in 9H-fluorene unit on the photovoltaic properties of different fluorene-based conjugated polymers. High Performance Polymers, 2018, 30, 677-687.	0.8	4
82	Ternary nonfullerene polymer solar cells with efficiency >13.7% by integrating the advantages of the materials and two binary cells. Energy and Environmental Science, 2018, 11, 2134-2141.	15.6	223
83	Metalâ€“organic framework-templated synthesis of sulfur-doped coreâ€“sheath nanoarrays and nanoporous carbon for flexible all-solid-state asymmetric supercapacitors. Nanoscale, 2018, 10, 15454-15461.	2.8	55
84	Binary hole transport materials blending to linearly tune HOMO level for high efficiency and stable perovskite solar cells. Nano Energy, 2018, 51, 680-687.	8.2	59
85	Earth-abundant nanotubes with layered assembly for battery-type supercapacitors. Chemical Engineering Journal, 2018, 350, 835-843.	6.6	24
86	Nematic liquid crystal materials as a morphology regulator for ternary small molecule solar cells with power conversion efficiency exceeding 10%. Journal of Materials Chemistry A, 2017, 5, 3589-3598.	5.2	173
87	Enantioseparation of isoxazolines with functionalized perphenylcarbamate cyclodextrin clicked chiral stationary phases in HPLC. Electrophoresis, 2017, 38, 1939-1947.	1.3	7
88	Hierarchical Nickel Sulfide Coated Halloysite Nanotubes For Efficient Energy Storage. Electrochimica Acta, 2017, 245, 51-58.	2.6	16
89	Surface ligands engineering of semiconductor quantum dots for chemosensory and biological applications. Materials Today, 2017, 20, 360-376.	8.3	118
90	Cost-effective hole transporting material for stable and efficient perovskite solar cells with fill factors up to 82%. Journal of Materials Chemistry A, 2017, 5, 23319-23327.	5.2	40

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91	Functionalities tuned enantioselectivity of phenylcarbamate cyclodextrin clicked chiral stationary phases in HPLC. Chirality, 2017, 29, 566-573.	1.3	10
92	Boosting performance of inverted organic solar cells by using a planar coronene based electron-transporting layer. Nano Energy, 2017, 39, 454-460.	8.2	39
93	Highâ€Efficiency Nonfullerene Organic Solar Cells with a Parallel Tandem Configuration. Advanced Materials, 2017, 29, 1702547.	11.1	68
94	One-step facile synthesis of a simple carbazole-cored hole transport material for high-performance perovskite solar cells. Nano Energy, 2017, 40, 163-169.	8.2	89
95	Acceptor manipulation of bisalkylthiothienyl benzo[1,2-b:4,5-b']dithiophene core-structured oligomers for efficient organic photovoltaics. Dyes and Pigments, 2017, 140, 512-519.	2.0	8
96	Effect of bisalkylthio side chains on benzo[1,2- b :4,5- b â€²]dithiophene-based polymers for organic solar cells. Dyes and Pigments, 2017, 138, 47-55.	2.0	7
97	Bisalkylthio side chain manipulation on two-dimensional benzo[1,2- b :4,5- b â€²]dithiophene copolymers with deep HOMO levels for efficient organic photovoltaics. Dyes and Pigments, 2017, 136, 312-320.	2.0	13
98	Efficient organic ternary solar cells with the third component as energy acceptor. Nano Energy, 2016, 26, 180-191.	8.2	88
99	Dialkylthio benzo[1,2-b:4,5-bâ€²]difuran polymer for efficient organic photovoltaics with solvent treatment in active layers. Dyes and Pigments, 2016, 131, 356-363.	2.0	7
100	A Roomâ€Temperature Processable PDIâ€Based Electronâ€Transporting Layer for Enhanced Performance in PDIâ€Based Nonâ€Fullerene Solar Cells. Advanced Materials Interfaces, 2016, 3, 1600476.	1.9	27
101	Side-chain Engineering of Benzo[1,2-b:4,5-bâ€™]dithiophene Core-structured Small Molecules for High-Performance Organic Solar Cells. Scientific Reports, 2016, 6, 25355.	1.6	18
102	High-performance alloy model-based ternary small molecule solar cells. Nano Energy, 2016, 30, 276-282.	8.2	60
103	Per(3-chloro-4-methyl)phenylcarbamate cyclodextrin clicked stationary phase for chiral separation in multiple modes high-performance liquid chromatography. Analytica Chimica Acta, 2016, 946, 96-103.	2.6	27
104	Cationic cyclodextrin clicked chiral stationary phase for versatile enantioseparations in high-performance liquid chromatography. Journal of Chromatography A, 2016, 1467, 169-177.	1.8	44
105	Cyclodextrin-clicked silica/CdTe fluorescent nanoparticles for enantioselective recognition of amino acids. Nanoscale, 2016, 8, 5621-5626.	2.8	34
106	Selenium-substituted polymers for improved photovoltaic performance. Physical Chemistry Chemical Physics, 2016, 18, 7978-7986.	1.3	16
107	Highly efficient ternary polymer solar cells by optimizing photon harvesting and charge carrier transport. Nano Energy, 2016, 22, 241-254.	8.2	196
108	Adjusting acceptor redistribution for highly efficient solvent additive-free polymer solar cells. Journal of Materials Chemistry C, 2016, 4, 3202-3208.	2.7	8

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109	Exploring hostâ€“guest complexation mechanisms by a molecular dynamics/quantum mechanics/continuum solvent model approach. Chemical Physics Letters, 2016, 648, 170-177.	1.2	7
110	Side-chain manipulation on accepting units of two-dimensional benzo[1,2-b:4,5-bâ€²]dithiophene polymers for organic photovoltaics. Polymer Chemistry, 2016, 7, 1486-1493.	1.9	15
111	Versatile ternary organic solar cells: a critical review. Energy and Environmental Science, 2016, 9, 281-322.	15.6	585
112	Engineering Cyclodextrin Clicked Chiral Stationary Phase for High-Efficiency Enantiomer Separation. Scientific Reports, 2015, 5, 11523.	1.6	33
113	Enantioseparation tuned by solvent polarity on a Î²â€cyclodextrin clicked chiral stationary phase. Journal of Separation Science, 2015, 38, 3137-3144.	1.3	16
114	Optimization of charge carrier transport balance for performance improvement of PDPP3T-based polymer solar cells prepared using a hot solution. Physical Chemistry Chemical Physics, 2015, 17, 9835-9840.	1.3	23
115	Methoxypropylamino Î²-cyclodextrin clicked AC regioisomer for enantioseparations in capillary electrophoresis. Analytica Chimica Acta, 2015, 868, 73-79.	2.6	15
116	Simultaneous Improvement in Short Circuit Current, Open Circuit Voltage, and Fill Factor of Polymer Solar Cells through Ternary Strategy. ACS Applied Materials & Interfaces, 2015, 7, 3691-3698.	4.0	114
117	Correlation of structure and photovoltaic performance of benzo[1,2-b:4,5-bâ€²]dithiophene copolymers alternating with different acceptors. New Journal of Chemistry, 2015, 39, 2248-2255.	1.4	19
118	Design and photovoltaic characterization of dialkylthio benzo[1,2-b:4,5-bâ€²]dithiophene polymers with different accepting units. Physical Chemistry Chemical Physics, 2015, 17, 7848-7856.	1.3	16
119	Cyclodextrin clicked chiral stationary phases with functionalities-tuned enantioseparations in high performance liquid chromatography. Journal of Chromatography A, 2015, 1406, 342-346.	1.8	36
120	Efficient small molecular ternary solar cells by synergistically optimized photon harvesting and phase separation. Journal of Materials Chemistry A, 2015, 3, 16653-16662.	5.2	72
121	Doping a D-A structural polymer based on benzodithiophene and triazoloquinoxaline for efficiency improvement of ternary solar cells. Electronic Materials Letters, 2015, 11, 236-240.	1.0	8
122	Three-Dimensional, Chemically Bonded Polypyrrole/Bacterial Cellulose/Graphene Composites for High-Performance Supercapacitors. Chemistry of Materials, 2015, 27, 7034-7041.	3.2	153
123	Cyclodextrin capped CdTe quantum dots as versatile fluorescence sensors for nitrophenol isomers. Nanoscale, 2015, 7, 19540-19546.	2.8	66
124	Thiadiazole quinoxaline-based copolymers with âˆ¼1.0ÂeV bandgap for ternary polymer solar cells. Polymer, 2015, 79, 12-20.	1.8	19
125	Graphene-Chitosan Composite Modified Electrode for Simultaneous Detection of Nitrophenol Isomers. Journal of the Electrochemical Society, 2015, 162, B269-B274.	1.3	13
126	A versatile strategy to directly synthesize 4,8-functionalized benzo[1,2-b:4,5-bâ€²]difurans for organic electronics. Journal of Materials Chemistry A, 2015, 3, 1920-1924.	5.2	20

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127	Recent development of cationic cyclodextrins for chiral separation. TrAC - Trends in Analytical Chemistry, 2015, 65, 22-29.	5.8	86
128	Triisopropylsilylethynyl substituted benzodithiophene copolymers: synthesis, properties and photovoltaic characterization. Journal of Materials Chemistry C, 2015, 3, 1595-1603.	2.7	17
129	Facile synthesis of bacterial cellulose fibres covalently intercalated with graphene oxide by one-step cross-linking for robust supercapacitors. Journal of Materials Chemistry C, 2015, 3, 1011-1017.	2.7	93
130	Covalently intercalated graphene oxide for oilâ€“water separation. Carbon, 2015, 82, 264-272.	5.4	45
131	Effect of solvent additive and ethanol treatment on the performance of PIDTDTQx:PC71BM polymer solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 528-534.	3.0	20
132	Clicked AC regioisomer cationic cyclodextrins for enantioseparation. RSC Advances, 2014, 4, 54512-54516.	1.7	5
133	Evaluation of the chiral separation ability of singleâ€isomer cationic Î²â€cyclodextrins in capillary electrophoresis. Electrophoresis, 2014, 35, 2744-2751.	1.3	17
134	Synthesis and Photovoltaic Characterization of Dithieno[3,2â€b:2â€²,3â€²â€d]thiopheneâ€Derived Narrowâ€Bandgap Polymers. Macromolecular Chemistry and Physics, 2014, 215, 227-234.	1.1	11
135	Mono-6^A-(4-methoxybutylamino)-6^A-Î²-cyclodextrin as a chiral selector for enantiomeric separation. Journal of Separation Science, 2014, 37, 2056-2061.	1.3	14
136	Immobilizing haemoglobin on gold/grapheneâ€“chitosan nanocomposite as efficient hydrogen peroxide biosensor. Sensors and Actuators B: Chemical, 2014, 197, 164-171.	4.0	67
137	Design and synthesis of triazoloquinoxaline polymers with positioning alkyl or alkoxyl chains for organic photovoltaics cells. Polymer Chemistry, 2014, 5, 1163-1172.	1.9	21
138	Design and photovoltaic characterization of dithieno[3,2-b:2â€²,3â€²-d]silole copolymers with positioning phenyl groups. Physical Chemistry Chemical Physics, 2014, 16, 26893-26900.	1.3	4
139	Tuning nanoscale morphology using mixed solvents and solvent vapor treatment for high performance polymer solar cells. RSC Advances, 2014, 4, 48724-48733.	1.7	29
140	Exploration of a Î²-cyclodextrin clicked chiral stationary phase in high-performance liquid chromatography. Analytical Methods, 2014, 6, 2034-2037.	1.3	15
141	Direct access to 4,8-functionalized benzo[1,2-b:4,5-bâ€²]dithiophenes with deep low-lying HOMO levels and high mobilities. Journal of Materials Chemistry A, 2014, 2, 13580-13586.	5.2	33
142	Naphthodifuran alternating quinoxaline copolymers with a bandgap of âˆ¼1.2 eV and their photovoltaic characterization. New Journal of Chemistry, 2014, 38, 4816-4822.	1.4	24
143	Sandwich-structured MnO₂/polypyrrole/reduced graphene oxide hybrid composites for high-performance supercapacitors. RSC Advances, 2014, 4, 9898-9904.	1.7	113
144	Enhanced performance of polymer solar cells by employing a ternary cascade energy structure. Physical Chemistry Chemical Physics, 2014, 16, 16103-16109.	1.3	24

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145	Improved permeability and selectivity in porous graphene for hydrogen purification. Physical Chemistry Chemical Physics, 2014, 16, 25755-25759.	1.3	39
146	Benzotrithiophene polymers with tuneable bandgap for photovoltaic applications. RSC Advances, 2014, 4, 53939-53945.	1.7	10
147	Gold Nanoparticlesâ€Î²â€Cyclodextrinâ€Chitosanâ€Graphene Modified Glassy Carbon Electrode for Ultrasensitive Detection of Dopamine and Uric Acid. Electroanalysis, 2014, 26, 2057-2064.	1.5	11
148	Improved Efficiency of Bulk Heterojunction Polymer Solar Cells by Doping Low-Bandgap Small Molecules. ACS Applied Materials & Interfaces, 2014, 6, 6537-6544.	4.0	91
149	Enhanced performance of polymer solar cells by dipole-assisted hole extraction. Solar Energy Materials and Solar Cells, 2014, 130, 15-19.	3.0	16
150	Evaluation of perphenylcarbamated cyclodextrin clicked chiral stationary phase for enantioseparations in reversed phase high performance liquid chromatography. Journal of Chromatography A, 2014, 1363, 119-127.	1.8	39
151	Robust graphene dispersion with amphiphlic perylene-polyglycidol. Materials Letters, 2014, 118, 188-191.	1.3	12
152	Synthesis and photovoltaic characterization of thiadiazole based low bandgap polymers. Thin Solid Films, 2014, 562, 75-83.	0.8	15
153	Novel methoxypropylimmidazolium Î²-cyclodextrin for improved enantioseparation of amino acids. Talanta, 2014, 128, 460-465.	2.9	17
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