

Jicheng Zhang

List of Publications by Year in descending order

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46
papers

1,336
citations

393982

19
h-index

344852

36
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all docs

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docs citations

46
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Ternary Blend Polymer Solar Cells Combining Fullerene and Nonfullerene Acceptors to Synergistically Boost the Photovoltaic Performance. <i>Advanced Materials</i> , 2016, 28, 9559-9566.	11.1	267
2	Simultaneous enhancement of the molecular planarity and the solubility of non-fullerene acceptors: effect of aliphatic side-chain substitution on the photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7776-7783.	5.2	87
3	1,8-Naphthalimide-Based Planar Small Molecular Acceptor for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5475-5483.	4.0	80
4	4-Alkyl-3,5-difluorophenyl-Substituted Benzodithiophene-Based Wide Band Gap Polymers for High-Efficiency Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3686-3692.	4.0	75
5	A BODIPY-Based Donor/Donor-Acceptor System: Towards Highly Efficient Long-Wavelength-Excitable Near-IR Polymer Dots with Narrow and Strong Absorption Features. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7008-7012.	7.2	57
6	Facile and Efficient Approach to Speed up Layer-by-Layer Assembly: Dipping in Agitated Solutions. <i>Langmuir</i> , 2011, 27, 672-677.	1.6	53
7	Benzothiadiazole based conjugated polymers for high performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20195-20200.	5.2	52
8	A nonfullerene acceptor for wide band gap polymer based organic solar cells. <i>Chemical Communications</i> , 2016, 52, 469-472.	2.2	48
9	5-Alkyloxy-6-fluorobenzo[1,2,5]thiadiazole- and Silafluorene-Based A Alternating Conjugated Polymers: Synthesis and Application in Polymer Photovoltaic Cells. <i>Macromolecules</i> , 2014, 47, 4645-4652.	2.2	47
10	1,8-Naphthalimide-based nonfullerene acceptors for wide optical band gap polymer solar cells with an ultrathin active layer thickness of 35 nm. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5656-5663.	2.7	42
11	A 1,8-naphthalimide based small molecular acceptor for polymer solar cells with high open circuit voltage. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6979-6985.	2.7	41
12	Enhancing the power conversion efficiency of polymer solar cells to 9.26% by a synergistic effect of fluoro and carboxylate substitution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8097-8104.	5.2	39
13	Reversible Ratiometric NADH Sensing Using Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12007-12012.	7.2	37
14	Well-defined star-shaped donor-acceptor conjugated molecules for organic resistive memory devices. <i>Chemical Communications</i> , 2015, 51, 14179-14182.	2.2	32
15	Synthesis of star-shaped small molecules carrying peripheral 1,8-naphthalimide functional groups and their applications in organic solar cells. <i>Dyes and Pigments</i> , 2015, 115, 181-189.	2.0	30
16	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5116-5123.	2.7	27
17	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16173-16180.	7.2	27
18	Hyperbranched polymer as an acceptor for polymer solar cells. <i>Chemical Communications</i> , 2017, 53, 537-540.	2.2	26

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19	Recent Progress of Fluorescence Sensors for Histamine in Foods. <i>Biosensors</i> , 2022, 12, 161.	2.3	21
20	Monitoring Metabolites Using an NAD(P)H-sensitive Polymer Dot and a Metabolite-specific Enzyme. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19331-19336.	7.2	19
21	Enhancing the Long-Term Stability of a Polymer Dot Glucose Transducer by Using an Enzymatic Cascade Reaction System. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001019.	3.9	18
22	Non-fullerene small molecular acceptors with a carbazole core for organic solar cells with high open-circuit voltage. <i>Dyes and Pigments</i> , 2017, 146, 293-299.	2.0	17
23	Vinylene- and ethynylene-bridged perylene diimide dimers as nonfullerene acceptors for polymer solar cells. <i>Dyes and Pigments</i> , 2017, 146, 143-150.	2.0	16
24	High efficiency polymer solar cells based on alkylthio substituted benzothiadiazole-quaterthiophene alternating conjugated polymers. <i>Organic Electronics</i> , 2017, 40, 36-41.	1.4	16
25	Planar Conjugated Polymers Containing 9,10-Disubstituted Phenanthrene Units for Efficient Polymer Solar Cells. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1142-1147.	2.0	14
26	Fully branched hyperbranched polymers with a focal point: analogous to dendrimers. <i>Polymer Chemistry</i> , 2014, 5, 2401.	1.9	14
27	Enhancing the Performance of Polymer Solar Cells by Using Donor Polymers Carrying Discretely Distributed Side Chains. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24020-24026.	4.0	14
28	Side chain effect of nonfullerene acceptors on the photovoltaic performance of wide band gap polymer solar cells. <i>Synthetic Metals</i> , 2016, 220, 578-584.	2.1	13
29	Efficient polymer solar cells processed by environmentally friendly halogen-free solvents. <i>RSC Advances</i> , 2016, 6, 39074-39079.	1.7	11
30	Improving the Accuracy of Pdot-Based Continuous Glucose Monitoring by Using External Ratiometric Calibration. <i>Analytical Chemistry</i> , 2021, 93, 2359-2366.	3.2	11
31	A molybdenum oxide-based degradable nanosheet for combined chemo-photothermal therapy to improve tumor immunosuppression and suppress distant tumors and lung metastases. <i>Journal of Nanobiotechnology</i> , 2021, 19, 428.	4.2	10
32	Enhancing the Efficiency of Polymer Solar Cells by Incorporation of 2,5-Difluorobenzene Units into the Polymer Backbone via Random Copolymerization. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23775-23781.	4.0	9
33	Influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 1-6.	3.0	9
34	Reversible Ratiometric NADH Sensing Using Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2021, 133, 12114-12119.	1.6	8
35	Monitoring Metabolites Using an NAD(P)H-sensitive Polymer Dot and a Metabolite-specific Enzyme. <i>Angewandte Chemie</i> , 2021, 133, 19480-19485.	1.6	8
36	Enhancing the performance of polymer solar cells by tuning the drying process of blend films via changing side chains and using solvent additives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9670-9677.	2.7	7

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37	Ultrabright Pdots with a Large Absorbance Cross Section and High Quantum Yield. ACS Applied Materials & Interfaces, 2022, 14, 13631-13637.	4.0	7
38	Synthesis and application of benzooxadiazole-based conjugated polymers in high performance phototransistors. Journal of Materials Chemistry C, 2015, 3, 12083-12089.	2.7	5
39	The Influence of Fluorination on Nano-Scale Phase Separation and Photovoltaic Performance of Small Molecular/PC71BM Blends. Nanomaterials, 2016, 6, 80.	1.9	4
40	A BODIPY-Based Donor/Donor-Acceptor System: Towards Highly Efficient Long-Wavelength-Excitable Near-IR Polymer Dots with Narrow and Strong Absorption Features. Angewandte Chemie, 2019, 131, 7082-7086.	1.6	4
41	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. Angewandte Chemie, 2020, 132, 16307-16314.	1.6	4
42	The coalescence and reconstruction of closed-shell graphitic carbon: from a nanosized polyhedron to a micron-sized dish stacked structure by KOH activation. RSC Advances, 2013, 3, 6117.	1.7	3
43	The effect of meta-substituted or para-substituted phenyl as side chains on the performance of polymer solar cells. Synthetic Metals, 2016, 220, 402-409.	2.1	3
44	Data on the detail information of influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. Data in Brief, 2017, 14, 531-537.	0.5	3
45	Reducing the Nano-Scale Aggregation of Perylene Diimide Based Acceptor by Conjugating a Bridge with a Large Volume. Micromachines, 2019, 10, 640.	1.4	1
46	Optimization of W5 fault block surface-active polymer flooding scheme. Petroleum Science and Technology, 2020, 38, 472-477.	0.7	0