Zhong Zheng

List of Publications by Year
in descending order

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Version: 2024-02-01

44 papers	2,938 citations	361413 20 h-index	243625 44 g-index
44 all docs	44 docs citations	44 times ranked	3307 citing authors

#	Article	IF	Citations
1	A Highly Efficient Nonâ€Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fineâ€Tuned Holeâ€Transporting Layer. Advanced Materials, 2018, 30, e1801801.	21.0	360
2	Efficient Charge Transfer and Fineâ€Tuned Energy Level Alignment in a THFâ€Processed Fullereneâ€Free Organic Solar Cell with 11.3% Efficiency. Advanced Materials, 2017, 29, 1604241.	21.0	305
3	Highly Efficient Fullereneâ€Free Polymer Solar Cells Fabricated with Polythiophene Derivative. Advanced Materials, 2016, 28, 9416-9422.	21.0	303
4	PBDB-T and its derivatives: A family of polymer donors enables over 17% efficiency in organic photovoltaics. Materials Today, 2020, 35, 115-130.	14.2	269
5	A Tandem Organic Photovoltaic Cell with 19.6% Efficiency Enabled by Light Distribution Control. Advanced Materials, 2021, 33, e2102787.	21.0	210
6	Environmentally Friendly Solventâ€Processed Organic Solar Cells that are Highly Efficient and Adaptable for the Bladeâ€Coating Method. Advanced Materials, 2018, 30, 1704837.	21.0	173
7	Over 11% Efficiency in Tandem Polymer Solar Cells Featured by a Lowâ€Bandâ€Gap Polymer with Fineâ€Tuned Properties. Advanced Materials, 2016, 28, 5133-5138.	21.0	144
8	Highly Efficient Tandem Polymer Solar Cells with a Photovoltaic Response in the Visible Light Range. Advanced Materials, 2015, 27, 1189-1194.	21.0	130
9	Perylene Diimide Trimers Based Bulk Heterojunction Organic Solar Cells with Efficiency over 7%. Advanced Energy Materials, 2016, 6, 1600060.	19.5	111
10	Highly Efficient Photovoltaic Polymers Based on Benzodithiophene and Quinoxaline with Deeper HOMO Levels. Macromolecules, 2015, 48, 5172-5178.	4.8	104
11	Achieving 12.8% Efficiency by Simultaneously Improving Openâ€Circuit Voltage and Shortâ€Circuit Current Density in Tandem Organic Solar Cells. Advanced Materials, 2017, 29, 1606340.	21.0	100
12	A Bifunctional Interlayer Material for Modifying Both the Anode and Cathode in Highly Efficient Polymer Solar Cells. Advanced Materials, 2016, 28, 434-439.	21.0	85
13	PBDT-TSR: a highly efficient conjugated polymer for polymer solar cells with a regioregular structure. Journal of Materials Chemistry A, 2016, 4, 1708-1713.	10.3	75
14	Fluidic Manipulating of Printable Zinc Oxide for Flexible Organic Solar Cells. Advanced Materials, 2022, 34, e2106453.	21.0	62
15	Exquisite modulation of ZnO nanoparticle electron transporting layer for high-performance fullerene-free organic solar cell with inverted structure. Journal of Materials Chemistry A, 2019, 7, 3570-3576.	10.3	58
16	Triperylene Hexaimides Based Allâ€Smallâ€Molecule Solar Cells with an Efficiency over 6% and Open Circuit Voltage of 1.04 V. Advanced Energy Materials, 2017, 7, 1601664.	19.5	57
17	Highly Stable Organic Solar Cells Based on an Ultraviolet-Resistant Cathode Interfacial Layer. CCS Chemistry, 2022, 4, 938-948.	7.8	42
18	Rational selection of solvents and fine tuning of morphologies toward highly efficient polymer solar cells fabricated using green solvents. RSC Advances, 2015, 5, 69567-69572.	3.6	37

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19	Influence of Covalent and Noncovalent Backbone Rigidification Strategies on the Aggregation Structures of a Wide-Band-Gap Polymer for Photovoltaic Cells. Chemistry of Materials, 2020, 32, 1993-2003.	6.7	36
20	Application of online microdialysis coupled with liquid chromatography-tandem mass spectrometry method in assessing neuroprotective effect of Rhizoma coptidis on diabetic rats. Analytical Methods, 2015, 7, 45-52.	2.7	25
21	Magnetic nanoparticles-based lactate dehydrogenase microreactor as a drug discovery tool for rapid screening inhibitors from natural products. Talanta, 2020, 209, 120554.	5.5	21
22	Rapid assay for testing superoxide anion radical scavenging activities to natural pigments by ultra-high performance liquid chromatography-diode-array detection method. Analytical Methods, 2015, 7, 1535-1542.	2.7	17
23	Comprehensive investigation of in-vivo ingredients and action mechanism of iridoid extract from Gardeniae Fructus by liquid chromatography combined with mass spectrometry, microdialysis sampling and network pharmacology. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1076, 70-76.	2.3	16
24	Online microdialysis-ultra performance liquid chromatographyâ€“mass spectrometry method for comparative pharmacokinetic investigation on iridoids from Gardenia jasminoides Ellis in rats with different progressions of type 2 diabetic complications. Journal of Pharmaceutical and Biomedical Analysis, 2017, 140, 146-154.	2.8	15
25	Chemical characterization of smallâ€molecule inhibitors of monoamine oxidase B synthesized from the <scp>Acanthopanax senticosus</scp> root with affinity ultrafiltration mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8694.	1.5	15
26	Probing film-depth-related light harvesting in polymer solar cells via plasma etching. AIP Advances, 2017, 7, .	1.3	15
27	Comprehensive fecal metabolomics and gut microbiota for the evaluation of the mechanism of Panax Ginseng in the treatment of Qi-deficiency liver cancer. Journal of Ethnopharmacology, 2022, 292, 115222.	4.1	15
28	Inorganic Molecular Clusters with Facile Preparation and Neutral pH for Efficient Hole Extraction in Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 39462-39470.	8.0	14
29	Quantifying V_{oc} loss induced by alkyl pendants of acceptors in organic solar cells. Journal of Materials Chemistry C, 2020, 8, 12568-12577.	5.5	14
30	Universal Hole Transporting Material via Mutual Doping for Conventional, Inverted, and Blade-Coated Large-Area Organic Solar Cells. Chemistry of Materials, 2022, 34, 6312-6322.	6.7	12
31	Equivalently Quantitative Ion Strategy with Quaternary Ammonium Cation Derivatization for Highly Sensitive Quantification of Lanostane-Type Triterpene Acids without Standards by Ultrahigh-Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry (UHPLCâ€“MS/MS). Analytical Chemistry, 2018, 90, 13946-13952.	6.5	11
32	In situ analysis of single cell and biological samples with rGO-Cu functional probe ESI-MS spectrometry. Talanta, 2020, 211, 120751.	5.5	11
33	The effects and mechanisms of aloeâ€emodin on reversing adriamycinâ€induced resistance of <scp>MCF</scp>â€7/<scp>ADR</scp> cells. Phytotherapy Research, 2021, 35, 3886-3897.	5.8	10
34	Enhanced one-step sample pretreatment method for extraction of ginsenosides from rat plasma using tailor-made deep eutectic mixture solvents. Analytical Methods, 2019, 11, 1035-1042.	2.7	9
35	A comprehensive strategy to clarify the pharmacodynamic constituents and mechanism of Wu-tou decoction based on the constituents migrating to blood and their in vivo process under pathological state. Journal of Ethnopharmacology, 2021, 275, 114172.	4.1	9
36	Inhibitory Effect of Ursolic Acid on the Migration and Invasion of Doxorubicin-Resistant Breast Cancer. Molecules, 2022, 27, 1282.	3.8	9

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37	Combined 16S rRNA gene sequencing and metabolomics to investigate the protective effects of Wu-tou decoction on rheumatoid arthritis in rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1199, 123249.	2.3	9
38	pHâ€Zoneâ€refining counterâ€current chromatography for two new lipoâ€alkaloids separated from refined alkaline extraction of Kusnezoff monkshood root. Journal of Separation Science, 2020, 43, 2447-2458.	2.5	8
39	Mass spectrometryâ€based urinary metabolomics for exploring the treatment effects of Radix ginsengâ€Schisandra chinensis herb pair on Alzheimer's disease in rats. Journal of Separation Science, 2021, 44, 3158-3166.	2.5	6
40	Separation, Quantification and Structural Study of (+)â€Catechin and (â€“)â€Epicatechin by Ion Mobility Mass Spectrometry Combined with Theoretical Algorithms. Chinese Journal of Chemistry, 2019, 37, 581-587.	4.9	4
41	Boronate Affinity-Based Oriented and Double-Shelled Surface Molecularly Imprinted Polymers on 96-Well Microplates for a High-Throughput Pharmacokinetic Study of Rutin and Its Metabolites. Journal of Agricultural and Food Chemistry, 2021, 69, 3972-3981.	5.2	4
42	Quantitative analysis and pharmacokinetic comparison of multiple bioactive components in rat plasma after oral administration of Qiâ€Shenâ€Keâ€Li formula and its singleâ€herb extracts using ultraâ€highâ€performance liquid chromatographyâ€“tandem mass spectrometry. Biomedical Chromatography, 2020, 34, e4959.	1.7	3
43	The chemical profile of Fubai Chrysanthemum (Fubaiju) and its mechanism in preventing cataract based on ultrahighâ€performance liquid chromatography coupled with mass spectrometry and network pharmacology. Journal of Separation Science, 2022, 45, 2406-2414.	2.5	3
44	Pharmacokinetics and tissue distribution study of 18 bioactive components in healthy and chronic heart failure rats after oral administration of Qiâ€Shenâ€Keâ€Li formula using ultraâ€highâ€performance liquid chromatography/triple quadrupole mass spectrometry. Rapid Communications in Mass Spectrometry, 2021, 35, e9060.	1.5	2