Zebing Zeng

List of Publications by Year
in descending order

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69 papers	4,662 citations	159358 30 h-index	98622 67 g-index
71 all docs	71 docs citations	71 times ranked	4853 citing authors

#	Article	IF	Citations
1	Stable Quadruple Helical Tetraradicaloid with Thermally Induced Intramolecular Magnetic Switching. CCS Chemistry, 2022, 4, 95-103.	4.6	24
2	Organic Long-Persistent Luminescence from a Single-Component Aggregate. Journal of the American Chemical Society, 2022, 144, 3050-3062.	6.6	61
3	Solutionâ€Processed CsPbBr₃ Quantum Dots/Organic Semiconductor Planar Heterojunctions for Highâ€Performance Photodetectors. Advanced Science, 2022, 9, e2105856.	5.6	15
4	Peryleneâ€Based Linear Nonalternant Nanoribbons with Bright Emission and Ambipolar Redox Behavior. Angewandte Chemie - International Edition, 2022, 61, .	7.2	19
5	Peryleneâ€Based Linear Nonalternant Nanoribbons with Bright Emission and Ambipolar Redox Behavior. Angewandte Chemie, 2022, 134, .	1.6	2
6	Fusing Thienoisoindigo to the Conjugated Ribbons with Strong Absorption in the Second Near-Infrared Window. CCS Chemistry, 2022, 4, 3497-3504.	4.6	11
7	Doping of Sn-based two-dimensional perovskite semiconductor for high-performance field-effect transistors and thermoelectric devices. IScience, 2022, 25, 104109.	1.9	15
8	Tuning the Electrical Performance of 2D Perovskite Fieldâ€Effect Transistors by Forming Organic Semiconductor/Perovskite van der Waals Heterojunctions. Advanced Electronic Materials, 2022, 8, .	2.6	10
9	Throughâ€Space Cï£¿BrÂ·Â·Â·Ï€ Halogen Interaction: Efficient Modulation of Reactionâ€Based Photochromism and Photoluminescence at Crystalline States for Irradiation Timeâ€Dependent Antiâ€Counterfeiting. Advanced Functional Materials, 2021, 31, 2009024.	7.8	27
10	Hydrogel-derived luminescent scaffolds for biomedical applications. Materials Chemistry Frontiers, 2021, 5, 3524-3548.	3.2	12
11	Catalyst-Free Spontaneous Polymerization with 100% Atom Economy: Facile Synthesis of Photoresponsive Polysulfonates with Multifunctionalities. Jacs Au, 2021, 1, 344-353.	3.6	14
12	Synergetic surface charge transfer doping and passivation toward high efficient and stable perovskite solar cells. IScience, 2021, 24, 102276.	1.9	30
13	Lowâ€Cost Nucleophilic Organic Bases as nâ€Dopants for Organic Fieldâ€Effect Transistors and Thermoelectric Devices. Advanced Functional Materials, 2021, 31, 2102768.	7.8	19
14	Unveiling the Hidden Ïƒâ€Dimerization of a Kinetically Protected Olympicenyl Radical. Chemistry - A European Journal, 2021, 27, 8203-8213.	1.7	22
15	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. Journal of the American Chemical Society, 2021, 143, 9565-9574.	6.6	97
16	Isomeric Dibenzoheptazethrenes for Airâ€Stable Organic Fieldâ€Effect Transistors. Angewandte Chemie - International Edition, 2021, 60, 16230-16236.	7.2	42
17	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. Angewandte Chemie - International Edition, 2021, 60, 19790-19796.	7.2	25
18	Synthesis and Structural Elucidation of Bisdibenzocorannulene in Multiple Redox States. Angewandte Chemie, 2021, 133, 19943-19949.	1.6	4

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19	Spiro-fused bicyclo[3,2,2] octatriene-cored triptycene: synthesis, molecular packing, and functional aggregates. Science China Chemistry, 2021, 64, 1976-1984.	4.2	10
20	Functional Scaffolds from AIE Building Blocks. Matter, 2020, 3, 1862-1892.	5.0	45
21	Spiro-conjugated indenodiarylethenes: enabling steric-induced electronic tuning of photochromic and photoluminescent properties by spiro-conjugation. Science China Chemistry, 2020, 63, 1659-1665.	4.2	11
22	Stable Olympicenyl Radicals and Their Ï€-Dimers. Journal of the American Chemical Society, 2020, 142, 11022-11031.	6.6	63
23	Large Aromatic Hydrocarbon Radical Cation with Global Aromaticity and State-Associated Magnetic Activity. Chemistry of Materials, 2020, 32, 5927-5936.	3.2	29
24	Ring-expansion approach towards extended asymmetric benzopentafulvalenes: overcrowded olefinic structure and chain length-dependent properties. Organic Chemistry Frontiers, 2020, 7, 2247-2254.	2.3	7
25	Oxygen-Embedded Pentacene Based Near-Infrared Chemiluminescent Nanoprobe for Highly Selective and Sensitive Visualization of Peroxynitrite In Vivo. Analytical Chemistry, 2020, 92, 4154-4163.	3.2	30
26	Doping Highâ€Mobility Donorâ€“Acceptor Copolymer Semiconductors with an Organic Salt for Highâ€Performance Thermoelectric Materials. Advanced Electronic Materials, 2020, 6, 1900945.	2.6	30
27	Cu(OAc)2 and acids promoted the oxidative cleavage of Î±-aminocarbonyl compounds with amines: efficient and selective synthesis of 2-t-amino-2-imino-carbonyl and 2-amino-2-oxocarbonyl. Tetrahedron Letters, 2020, 61, 151913.	0.7	4
28	Specific and Quantitative Detection of Albumin in Biological Fluids by Tetrazolate-Functionalized Water-Soluble AIEgens. ACS Applied Materials & Interfaces, 2019, 11, 29619-29629.	4.0	44
29	Synthesis and Characterization of Oxygen-Embedded Quinoidal Pentacene and Nonacene. Journal of the American Chemical Society, 2019, 141, 2169-2176.	6.6	57
30	Oxygen-Embedded Quinoidal Acene Based Semiconducting Chromophore Nanoprobe for Amplified Photoacoustic Imaging and Photothermal Therapy. Analytical Chemistry, 2019, 91, 15275-15283.	3.2	28
31	Spiro-Functionalized Diphenylethenes: Suppression of a Reversible Photocyclization Contributes to the Aggregation-Induced Emission Effect. Journal of the American Chemical Society, 2019, 141, 9803-9807.	6.6	65
32	Diagonally Ï€-Extended Perylene-Based Bis(heteroacene) for Chiroptical Activity and Integrating Luminescence with Carrier-Transporting Capability. Organic Letters, 2019, 21, 1417-1421.	2.4	17
33	New Heteropolycyclic Structures for Fluoride Anion Sensing by Nakedâ€Eye Visualization. ChemistrySelect, 2018, 3, 2336-2342.	0.7	8
34	Tetrabenzo-Chichibabin's hydrocarbons: substituent effects and unusual thermochromic and thermomagnetic behaviours. Chemical Communications, 2018, 54, 2389-2392.	2.2	17
35	Synthesis and properties of tetracyanoquinodimethane derivatives. Heterocyclic Communications, 2018, 24, 249-254.	0.6	4
36	Toward helical-shaped diradicaloids: cyclobutenyl o-quinodimethane-bridged indeno[1,2-b]fluorenes. Chemical Communications, 2018, 54, 11383-11386.	2.2	19

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37	Rylene Ribbons with Unusual Diradical Character. CheM, 2017, 2, 81-92.	5.8	116
38	A Stable Nâ€Annulated Peryleneâ€Bridged Bisphenoxyl Diradicaloid and the Corresponding Boron Trifluoride Complex. Chemistry - A European Journal, 2017, 23, 9419-9424.	1.7	13
39	Selective Visualization of the Endogenous Peroxynitrite in an Inflamed Mouse Model by a Mitochondria-Targetable Two-Photon Ratiometric Fluorescent Probe. Journal of the American Chemical Society, 2017, 139, 285-292.	6.6	407
40	A facile approach toward 1,2-diazabenzo[ghi]perylene derivatives: structures and electronic properties. Chemical Communications, 2017, 53, 6740-6743.	2.2	12
41	Synthesis and self-assembly of a D_{3h} symmetric polycyclic aromatic hydrocarbon into a rigid 2D honeycomb network. New Journal of Chemistry, 2017, 41, 3260-3264.	1.4	8
42	Towards perylenequinonoid: Effective application to reversible fluorescent probe for monitoring hydrogen persulfide in solvents and living cells. Talanta, 2017, 164, 529-533.	2.9	21
43	Hypervalent iodine-triggered transformation of homopropargyl sulfonamides into dihalo-2,3-dihydropyrroles. Organic and Biomolecular Chemistry, 2017, 15, 796-800.	1.5	7
44	Tuning magnetoresistance in molybdenum disulphide and graphene using a molecular spin transition. Nature Communications, 2017, 8, 677.	5.8	20
45	Bâ€“Nâ€“B Bond Embedded Phenalenyl and Its Anions. Journal of the American Chemical Society, 2017, 139, 15760-15767.	6.6	78
46	Copper-catalyzed oxidative cross-coupling of Î±-aminocarbonyl compounds with primary amines toward 2-oxo-acetamidines. Organic and Biomolecular Chemistry, 2017, 15, 8134-8139.	1.5	19
47	Bay- and Ortho-Octasubstituted Perylenes. Organic Letters, 2017, 19, 5094-5097.	2.4	25
48	Synthesis of 2â€Aminoâ€1,3,4â€oxadiazoles through Elemental Sulfur Promoted Cyclization of Hydrazides with Isocyanides. Chinese Journal of Chemistry, 2017, 35, 1611-1618.	2.6	8
49	Synthesis of 3-acylated indoles through iron-catalyzed oxidative coupling of indoles with Î±-amino carbonyl compounds. Synthetic Communications, 2017, 47, 2062-2069.	1.1	3
50	Fast regioselective sulfonylation of pyridine/quinoline N-oxides induced by iodine. Organic and Biomolecular Chemistry, 2016, 14, 5317-5321.	1.5	52
51	Stable 3,6-Linked Fluorenyl Radical Oligomers with Intramolecular Antiferromagnetic Coupling and Polyradical Characters. Journal of the American Chemical Society, 2016, 138, 13048-13058.	6.6	44
52	Discerning the Chemistry in Individual Organelles with Smallâ€Molecule Fluorescent Probes. Angewandte Chemie - International Edition, 2016, 55, 13658-13699.	7.2	634
53	9-Ethynylfluoroenyl Radicals: Regioselective Dimerization and Post Ring-Cyclization Reactions. Organic Letters, 2016, 18, 6018-6021.	2.4	17
54	Copper/Silver Cocatalyzed Oxidative Coupling of Vinylarenes with ICH₂CF₃ or ICH₂CHF₂ Leading to Î²-CF₃/CHF₂-Substituted Ketones. Organic Letters, 2016, 18, 1780-1783.	2.4	45

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55	Design of NIR Chromenylium-Cyanine Fluorophore Library for â€œSwitch-ONâ€•and Ratiometric Detection of Bio-Active Species In Vivo. Analytical Chemistry, 2016, 88, 1842-1849.	3.2	70
56	Tuneable Singlet Exciton Fission and Tripletâ€“Triplet Annihilation in an Orthogonal Pentacene Dimer. Advanced Functional Materials, 2015, 25, 5452-5461.	7.8	184
57	Stable Ï€â€Extended pâ€Quinodimethanes: Synthesis and Tunable Ground States. Chemical Record, 2015, 15, 322-328.	2.9	28
58	Pro-aromatic and anti-aromatic Ï€-conjugated molecules: an irresistible wish to be diradicals. Chemical Society Reviews, 2015, 44, 6578-6596.	18.7	522
59	Green synthesis of bisphenol F over 12-phosphotungstic acid supported on acid-activated palygorskite. RSC Advances, 2015, 5, 62394-62401.	1.7	18
60	Pushâ€“Pull Type Oligo(N-annulated perylene)quinodimethanes: Chain Length and Solvent-Dependent Ground States and Physical Properties. Journal of the American Chemical Society, 2015, 137, 8572-8583.	6.6	93
61	A double network gel as low cost and easy recycle adsorbent: Highly efficient removal of Cd(II) and Pb(II) pollutants from wastewater. Journal of Hazardous Materials, 2015, 300, 153-160.	6.5	139
62	Engineering a FRET strategy to achieve a ratiometric two-photon fluorescence response with a large emission shift and its application to fluorescence imaging. Chemical Science, 2015, 6, 2360-2365.	3.7	101
63	A kinetically blocked 1,14:11,12-dibenzopentacene: a persistent triplet diradical of a non-KekulÃ© polycyclic benzenoid hydrocarbon. Chemical Science, 2014, 5, 1908.	3.7	69
64	Zethrenes, Extended p-Quinodimethanes, and Periacenes with a Singlet Biradical Ground State. Accounts of Chemical Research, 2014, 47, 2582-2591.	7.6	376
65	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. Chemical Science, 2014, 5, 3072-3080.	3.7	48
66	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2013, 52, 8561-8565.	7.2	94
67	Pushing Extended p-Quinodimethanes to the Limit: Stable Tetracyano-oligo(N-annulated) Tj ETQq1 1 0.784314 rgBT /O 2013, 135, 6363-6371.	6.6	170
68	Stable Tetrabenzo-Chichibabinâ€™s Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. Journal of the American Chemical Society, 2012, 134, 14513-14525.	6.6	218
69	Octupolar Polycyclic Aromatic Hydrocarbons as New Twoâ€Photon Absorption Chromophores: Synthesis and Application for Optical Power Limiting. Chemistry - A European Journal, 2011, 17, 3837-3841.	1.7	32