Yi Zeng

List of Publications by Year
in descending order

63 papers	2,255 citations	218677 26 h-index	223800 46 g-index
68 all docs	68 docs citations	68 times ranked	3682 citing authors

#	Article	IF	Citations
1	Amplified circularly polarized luminescence enabled by photon upconversion in spin-coating cellulose matrix. Chinese Chemical Letters, 2023, 34, 107649.	9.0	7
2	Chemically Amplified Resist Based on Dendritic Molecular Glass for Electron Beam Lithography. Chemical Research in Chinese Universities, 2023, 39, 139-143.	2.6	5
3	A Conjugated Figureâ€ofâ€Eight Oligoparaphenylene Nanohoop with Adaptive Cavities Derived from Cyclooctatetrathiophene Core. Angewandte Chemie - International Edition, 2022, 61, .	13.8	33
4	An enzyme cascade fluorescence-based assay for the quantification of phenylalanine in serum. Analyst, The, 2022, 147, 671-676.	3.5	2
5	Coupling Redâ€toâ€blue Upconversion Organic Microcrystals with Cd_{0.5}Zn_{0.5}S for Efficient and Durable Photocatalytic Hydrogen Production. Chemistry - an Asian Journal, 2022, 17, .	3.3	1
6	Enhancing photon upconversion with thermally activated sensitization and singlet energy collection. Journal of Materials Chemistry C, 2022, 10, 8596-8601.	5.5	3
7	A novel dual-tone molecular glass resist based on adamantane derivatives for electron beam lithography. Journal of Materials Chemistry C, 2022, 10, 9858-9866.	5.5	13
8	Efficient acceptorless dehydrogenation of hydrogen-rich N-heterocycles photocatalyzed by Ni(OH)₂@CdSe/CdS quantum dots. Catalysis Science and Technology, 2021, 11, 3810-3817.	4.1	5
9	Funneling and Enhancing Upconversion Emission by Light-Harvesting Molecular Wires. Journal of Physical Chemistry Letters, 2021, 12, 9525-9530.	4.6	8
10	Crystallization and near-infrared emission from hostâ€“guest based supramolecular polymers. New Journal of Chemistry, 2021, 45, 9761-9765.	2.8	2
11	Thermally Activated Upconversion with Metal-Free Sensitizers Enabling Exceptional Anti-Stokes Shift and Anti-counterfeiting Application. ACS Applied Materials & Interfaces, 2021, 13, 57481-57488.	8.0	22
12	BowtieArene: A Dual Macrocycle Exhibiting Stimuliâ€Responsive Fluorescence. Angewandte Chemie - International Edition, 2020, 59, 10059-10065.	13.8	120
13	Triplet fusion upconversion using sterically protected 9,10-diphenylanthracene as the emitter. Physical Chemistry Chemical Physics, 2020, 22, 6300-6307.	2.8	14
14	Tripletâ€“Triplet Annihilation Upconversion for Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2019, 25, 16270-16276.	3.3	36
15	Thermally Activated Delayed Fluorescence via Triplet Fusion. Journal of Physical Chemistry Letters, 2019, 10, 6239-6245.	4.6	24
16	Molecular Glass Resists Based on 9,9â€²-Spirobifluorene Derivatives: Pendant Effect and Comprehensive Evaluation in Extreme Ultraviolet Lithography. ACS Applied Polymer Materials, 2019, 1, 526-534.	4.4	16
17	Traceable cancer cell photoablation with a new mitochondria-responsive and -activatable red-emissive photosensitizer. Chemical Communications, 2019, 55, 3801-3804.	4.1	11
18	FÃ¶rster Resonance Energy-Transfer-Based Ratiometric Fluorescent Indicator for Quantifying Fluoride Ion in Water and Toothpaste. ACS Omega, 2018, 3, 18153-18159.	3.5	10

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19	Visualization of Parallel G-Quadruplexes in Cells with a Series of New Developed Bis(4-aminobenzylidene)acetone Derivatives. ACS Omega, 2018, 3, 10487-10492.	3.5	20
20	Specific Imaging of Tyrosinase in Vivo with 3-Hydroxybenzyl Caged <scp>D</scp>-Luciferins. Analytical Chemistry, 2018, 90, 9296-9300.	6.5	29
21	Molecularâ€“Supramolecular Light Harvesting for Photochemical Energy Conversion: Making Every Photon Count. ACS Energy Letters, 2017, 2, 357-363.	17.4	47
22	Luminescence Color Tuning by Regulating Electrostatic Interaction in Light-Emitting Devices and Two-Photon Excited Information Decryption. Inorganic Chemistry, 2017, 56, 2409-2416.	4.0	42
23	Lightâ€Harvesting Organic Nanocrystals Capable of Photon Upconversion. ChemSusChem, 2017, 10, 4610-4615.	6.8	29
24	An ultrasensitive bioluminogenic probe of Î³-Glutamyltranspeptidase in vivo and in human serum for tumor diagnosis. Biosensors and Bioelectronics, 2017, 98, 325-329.	10.1	26
25	Controlled Growth of Well-Defined Conjugated Polymers from the Surfaces of Multiwalled Carbon Nanotubes: Photoresponse Enhancement via Charge Separation. ACS Nano, 2016, 10, 5189-5198.	14.6	34
26	A colorimetric and ratiometric fluorescence sensor for sensitive detection of fluoride ions in water and toothpaste. RSC Advances, 2016, 6, 49158-49163.	3.6	27
27	Pdâ€“Porphyrin Oligomers Sensitized for Greenâ€toâ€Blue Photon Upconversion: The More the Better?. Chemistry - A European Journal, 2016, 22, 8654-8662.	3.3	26
28	Phosphorescent soft salt for ratiometric and lifetime imaging of intracellular pH variations. Chemical Science, 2016, 7, 3338-3346.	7.4	81
29	Dendrimers-merging biomimics and photoenergy conversion. Science China Chemistry, 2015, 58, 390-399.	8.2	8
30	Highly Emissive Nanoparticles Based on AIE-Active Molecule and PAMAM Dendritic â€œMolecular Glueâ€. Langmuir, 2015, 31, 4386-4393.	3.5	20
31	Artificial photosynthesis dendrimers integrating light-harvesting, electron delivery and hydrogen production. Journal of Materials Chemistry A, 2015, 3, 12965-12971.	10.3	27
32	A water-soluble tetraphenylethene based probe for luminescent carbon dioxide detection and its biological application. Journal of Materials Chemistry C, 2015, 3, 11850-11856.	5.5	33
33	Intramolecular tripletâ€“triplet energy transfer enhanced tripletâ€“triplet annihilation upconversion with a short-lived triplet state platinum(<scp>ii</scp>) terpyridyl acetylide photosensitizer. RSC Advances, 2015, 5, 70640-70648.	3.6	22
34	A charged iridophosphor for time-resolved luminescent CO₂gas identification. Journal of Materials Chemistry C, 2015, 3, 66-72.	5.5	41
35	Efficient photochemical production of hydrogen in aqueous solution by simply incorporating a water-insoluble hydrogenase mimic into a hydrogel. Journal of Materials Chemistry A, 2014, 2, 20500-20505.	10.3	15
36	Dendritic Ionic Liquids Based on Imidazoliumâ€Modified Poly(aryl ether) Dendrimers. Chemistry - an Asian Journal, 2014, 9, 3641-3649.	3.3	17

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37	Locked Planarity: A Strategy for Tailoring Ladder-Type Ï€-Conjugated Anilidoâ€“Pyridine Boron Difluorides. Journal of Organic Chemistry, 2014, 79, 459-464.	3.2	25
38	An [Feâ€Fe]â€Hydrogenase Mimic Immobilized on MCMâ€41 for the Photochemical Production of Hydrogen in Pure Water. Chinese Journal of Chemistry, 2014, 32, 479-484.	4.9	10
39	A â€œbreathingâ€•dendritic moleculeâ€”conformational fluctuation induced by external stimuli. Polymer Chemistry, 2014, 5, 5978-5984.	3.9	23
40	Enhanced photocatalytic hydrogen production from an MCM-41-immobilized photosensitizerâ€”[Fe-Fe] hydrogenase mimic dyad. Photochemical and Photobiological Sciences, 2014, 13, 1590-1597.	2.9	24
41	Tetrathiafulvalene Terminal-Decorated PAMAM Dendrimers for Triggered Release Synergistically Stimulated by Redox and CB[7]. Langmuir, 2014, 30, 718-726.	3.5	12
42	A dual-fluorescent composite of graphene oxide and poly(3-hexylthiophene) enables the ratiometric detection of amines. Chemical Science, 2014, 5, 3130.	7.4	42
43	Advances in Photofunctional Dendrimers for Solar Energy Conversion. Journal of Physical Chemistry Letters, 2014, 5, 2340-2350.	4.6	56
44	Synthesis and Photophysical Properties of Doubly Î²â€toâ€Î² Bridged Cyclic Zn^{II} Porphyrin Arrays. Chemistry - an Asian Journal, 2013, 8, 1015-1022.	3.3	5
45	A Versatile and Robust Vesicle Based on a Photocleavable Surfactant for Twoâ€Photonâ€Tuned Release. Chemistry - A European Journal, 2013, 19, 7931-7936.	3.3	28
46	Exceptional Dendrimerâ€Based Mimics of Diiron Hydrogenase for the Photochemical Production of Hydrogen. Angewandte Chemie - International Edition, 2013, 52, 5631-5635.	13.8	93
47	Bisurea-Functionalized Macrocycles: Synthesis and Halide Anion-Response. Chinese Journal of Organic Chemistry, 2013, 33, 110.	1.3	0
48	Dendrimer-Encapsulated Pt Nanoparticles: An Artificial Enzyme for Hydrogen Production. Journal of Physical Chemistry C, 2012, 116, 10516-10521.	3.1	30
49	Dispersion of Reduced Graphene Oxide in Multiple Solvents with an Imidazoliumâ€Modified Hexaâ€periâ€hexabenzocoronene. Chemistry - an Asian Journal, 2012, 7, 2683-2689.	3.3	5
50	Grafting P3HT brushes on GO sheets: distinctive properties of the GO/P3HT composites due to different grafting approaches. Journal of Materials Chemistry, 2012, 22, 21583.	6.7	51
51	Stabilized Vesicles Consisting of Small Amphiphiles for Stepwise Photorelease via UV Light. Langmuir, 2012, 28, 1733-1737.	3.5	20
52	Synthesis and Photophysical Study of Dendrimers Modified with ESIPT Chromophore. Acta Chimica Sinica, 2012, 70, 1611.	1.4	0
53	Understanding the aggregation induced emission enhancement for a compound with excited state intramolecular proton transfer character. Physical Chemistry Chemical Physics, 2011, 13, 2044-2051.	2.8	79
54	Unsurpassed cage effect for the photolysis of dibenzyl ketones in water-soluble dendrimers. Organic and Biomolecular Chemistry, 2011, 9, 6256.	2.8	8

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55	A Triarylboronâ€Based Fluorescent Thermometer: Sensitive Over a Wide Temperature Range. Angewandte Chemie - International Edition, 2011, 50, 8072-8076.	13.8	317
56	Dendrimers: A Mimic Natural Lightâ€Harvesting System. Chemistry - an Asian Journal, 2010, 5, 992-1005.	3.3	69
57	Photoinduced Electron Transfer within Porphyrinâ€Anthraâ€quinone Dyads Connected by Hamilton Hydrogen Bonding. Chinese Journal of Chemistry, 2010, 28, 1580-1586.	4.9	2
58	Multi-shelled titania hollow spheres fabricated by a hard template strategy: enhanced photocatalytic activity. Chemical Communications, 2010, 46, 4312.	4.1	110
59	Photosensitized oxidation of alkenes with dendrimers as microreactors: controllable selectivity between energy and electron transfer pathway. New Journal of Chemistry, 2010, 34, 718.	2.8	28
60	Intramolecular Exciplex Formation Induced by the Folding-Back Conformation of Poly(aryl ether) Dendrimers. Journal of Physical Chemistry C, 2009, 113, 11554-11559.	3.1	10
61	Enhancement of Energy Utilization in Light-Harvesting Dendrimers by the Pseudorotaxane Formation at Periphery. Journal of the American Chemical Society, 2009, 131, 9100-9106.	13.7	91
62	Ir(ppy)₃phosphorescent microrods and nanowires: promising micro-phosphors. Journal of Materials Chemistry, 2009, 19, 89-96.	6.7	61
63	Silver Nanoparticles Stabilized by Thermoresponsive Microgel Particles: Synthesis and Evidence of an Electron Donorâ€Acceptor Effect. Macromolecular Rapid Communications, 2007, 28, 2339-2345.	3.9	94