

Zhiyun Zhang

List of Publications by Year in descending order

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304368

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#	ARTICLE	IF	CITATIONS
1	Excited-State Conformational/Electronic Responses of Saddle-Shaped <i>N,N</i> - β -Disubstituted-Dihydrodibenzo[<i>a,c</i>]phenazines: Wide-Tuning Emission from Red to Deep Blue and White Light Combination. <i>Journal of the American Chemical Society</i> , 2015, 137, 8509-8520.	6.6	264
2	Color-Tunable Solid-State Emission of 2,2'-Biindenyl-Based Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11654-11657.	7.2	254
3	Control of the Reversibility of Excited-State Intramolecular Proton Transfer (ESIPT) Reaction: Host-Polarity Tuning White Organic Light Emitting Diode on a New Thiazolo[5,4- <i>d</i>]thiazole ESIPT System. <i>Chemistry of Materials</i> , 2016, 28, 8815-8824.	3.2	171
4	Simultaneous Two-Color Visualization of Lipid Droplets and Endoplasmic Reticulum and Their Interplay by Single Fluorescent Probes in Lambda Mode. <i>Journal of the American Chemical Society</i> , 2021, 143, 3169-3179.	6.6	154
5	Snapshotting the Excited-State Planarization of Chemically Locked <i>N,N</i> - β -Disubstituted Dihydrodibenzo[<i>a,c</i>]phenazines. <i>Journal of the American Chemical Society</i> , 2017, 139, 1636-1644.	6.6	124
6	Highly sensitive determination of low-level water content in organic solvents using novel solvatochromic dyes based on thioxanthone. <i>Chemical Communications</i> , 2013, 49, 7319.	2.2	107
7	Molecular Cursor Caliper: A Fluorescent Sensor for Dicarboxylate Dianions. <i>Journal of the American Chemical Society</i> , 2019, 141, 14798-14806.	6.6	90
8	Highly sensitive detection of low-level water content in organic solvents and cyanide in aqueous media using novel solvatochromic AIEE fluorophores. <i>RSC Advances</i> , 2015, 5, 12191-12201.	1.7	78
9	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing <i>ortho</i> -Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9880-9884.	7.2	77
10	A silole copolymer containing a ladder-type heptacyclic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells. <i>Energy and Environmental Science</i> , 2015, 8, 552-557.	15.6	61
11	The endeavor of vibration-induced emission (VIE) for dynamic emissions. <i>Chemical Science</i> , 2020, 11, 7525-7537.	3.7	56
12	Phenazine-Based Ratiometric Hg ²⁺ Probes with Well-Resolved Dual Emissions: A New Sensing Mechanism by Vibration-Induced Emission (VIE). <i>Small</i> , 2016, 12, 6542-6546.	5.2	55
13	New six- and seven-membered ring pyrrole-pyridine hydrogen bond systems undergoing excited-state intramolecular proton transfer. <i>Chemical Communications</i> , 2014, 50, 15026-15029.	2.2	52
14	Vibration-Induced Emission (VIE) of <i>N,N</i> - β -Disubstituted Dihydrodibenzo[<i>a,c</i>]phenazines: Fundamental Understanding and Emerging Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1902803.	7.8	52
15	Smart molecular butterfly: an ultra-sensitive and range-tunable ratiometric thermometer based on dihydrophenazines. <i>Materials Horizons</i> , 2020, 7, 615-623.	6.4	37
16	Sequential oligodiacetylene formation for progressive luminescent color conversion via co-micellar strategy. <i>Chemical Science</i> , 2016, 7, 2058-2065.	3.7	34
17	Cu-catalyzed C-H amination/Ullmann N-arylation domino reaction: a straightforward synthesis of 9,14-diaryl-9,14-dihydrodibenzo[<i>a,c</i>]phenazine. <i>Chemical Communications</i> , 2016, 52, 5459-5462.	2.2	33
18	Mechanochromism induced through the interplay between excimer reaction and excited state intramolecular proton transfer. <i>Communications Chemistry</i> , 2019, 2, .	2.0	28

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19	Fluorescence Probes Exhibit Photoinduced Structural Planarization: Sensing In Vitro and In Vivo Microscopic Dynamics of Viscosity Free from Polarity Interference. <i>ACS Chemical Biology</i> , 2020, 15, 1862-1873.	1.6	28
20	Measuring the Microphase Separation Scale of Polyurethanes with a Vibration-Induced Emission-Based Ratiometric α -Fluorescent Ruler. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39351-39358.	4.0	27
21	Supramolecular Assembly-Driven Color-Tuning and White-Light Emission Based on Crown-Ether-Functionalized Dihydrophenazine. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10875-10882.	4.0	26
22	A novel colorimetric and fluorometric probe for the detection of CN ⁻ with high selectivity in aqueous media. <i>Dyes and Pigments</i> , 2020, 176, 108224.	2.0	24
23	Temperature-responsive molecular liquids based on dihydrophenazines for dynamic multicolor-fluorescent anti-counterfeiting and encryption. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2294-2302.	3.2	22
24	Ratiometric Indicator Based on Vibration-Induced Emission for in Situ and Real-Time Monitoring of Gelation Processes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20205-20212.	4.0	21
25	Vibratile Dihydrophenazines with Controllable Luminescence Enabled by Precise Regulation of π -Conjugated Wings. <i>CCS Chemistry</i> , 0, , 2239-2248.	4.6	21
26	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-to-Planar Motion of the Donor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18611-18618.	7.2	20
27	Photoconductance from the Bent-to-Planar Photocycle between Ground and Excited States in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2022, 144, 10042-10052.	6.6	18
28	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing <i>ortho</i> -Methyl Groups. <i>Angewandte Chemie</i> , 2018, 130, 10028-10032.	1.6	17
29	Development of reaction-free and mitochondrion-immobilized fluorescent probe for monitoring pH change. <i>Sensors and Actuators B: Chemical</i> , 2021, 341, 129962.	4.0	17
30	Interplay of Steric Effects and Aromaticity Reversals to Expand the Structural/Electronic Responses of Dihydrophenazines. <i>Journal of the American Chemical Society</i> , 2022, 144, 4883-4896.	6.6	17
31	Extending the Stokes Shifts of Donor-Acceptor Fluorophores by Regulating the Donor Configuration for <i>In Vivo</i> Three-Photon Fluorescence Imaging. <i>Chemistry of Materials</i> , 2022, 34, 5999-6008.	3.2	16
32	Insights into energy transfer pathways between the exciplex host and fluorescent guest: attaining highly efficient 710 nm electroluminescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5704-5714.	2.7	15
33	Aggregation-induced emission fluorophores based on strong electron-acceptor 2,2 α^2 -(anthracene-9,10-diylidene) dimalononitrile for biological imaging in the NIR-II window. <i>Chemical Communications</i> , 2021, 57, 3099-3102.	2.2	14
34	A Small-Molecule Diketopyrrolopyrrole-Based Dye for <i>In Vivo</i> NIR-IIa Fluorescence Bioimaging. <i>Chemistry - A European Journal</i> , 2021, 27, 14240-14249.	1.7	11
35	Combination of Two Colorless Fluorophores for Full-Color Red-Green-Blue Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38629-38636.	4.0	9
36	Transparent-Flexible-Moldable Low-Temperature Thermometer Constructed by Harnessing Vibration-Induced Emission of Dihydrophenazine in Polydimethylsiloxane. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1636-1642.	2.0	8

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37	The Quest of Excited-State Intramolecular Proton Transfer via Eight-Membered Ring π -Conjugated Hydrogen Bonding System. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3010-3015.	1.7	7
38	Modular synthesis of (C-10 to) Tj ETQqO O O rgBT /Overlock 10 Tf 50 712 Td (C-13)-substituted-9,14-diaryl-9,14-dihydrodibenzo[<i>a,h</i>]quinoline derivatives via Buchwald-Hartwig amination and C-H amination strategy. <i>Chemical Communications</i> , 2020, 56, 2260-2263.	2.2	7
39	Through-Space Exciton Delocalization in Segregated HJ-Crystalline Molecular Aggregates. <i>Journal of Physical Chemistry A</i> , 2021, 125, 943-953.	1.1	7
40	Donor-conformation-dependent energy transfer for dual-color fluorescent probe with high-resolution imaging. <i>Science China Chemistry</i> , 2021, 64, 1310-1315.	4.2	6
41	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-Planar Motion of the Donor. <i>Angewandte Chemie</i> , 2020, 132, 18770-18777.	1.6	2
42	Spatial Confinements Control the Multicolor Solid Fluorescence Based on the Dihydrophenazine Derivative. , 2022, 4, 1462-1467.		2
43	New insight into mechanochromic property of one N,N ² -disubstituted-dihydrodibenzo[<i>a,c</i>]phenazine derivative. <i>Dyes and Pigments</i> , 2022, 199, 110096.	2.0	1