

Zhen Shen

List of Publications by Year in descending order

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papers

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147566

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89
all docs

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docs citations

89
times ranked

4381
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural modification strategies for the rational design of red/NIR region BODIPYs. <i>Chemical Society Reviews</i> , 2014, 43, 4778-4823.	18.7	1,076
2	Boron- ¹⁰ B-diindomethene (BDI) Dyes and Their Tetrahydrobicyclo Precursors as a Route to a New Class of Highly Emissive Fluorophores for the Red Spectral Range. <i>Chemistry - A European Journal</i> , 2004, 10, 4853-4871.	1.7	210
3	A Multifunctional Nanomicelle for Real-Time Targeted Imaging and Precise Near-Infrared Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9544-9549.	7.2	177
4	A pH-activatable and aniline-substituted photosensitizer for near-infrared cancer theranostics. <i>Chemical Science</i> , 2015, 6, 5969-5977.	3.7	173
5	Phenanthrene-Fused Boron-Dipyrrromethenes as Bright Long-Wavelength Fluorophores. <i>Organic Letters</i> , 2008, 10, 1581-1584.	2.4	145
6	Synthesis and Spectroscopic Properties of Fused-Ring-Expanded Aza-Boradiazaindacenes. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1026-1037.	1.7	116
7	A Facile One-Pot Synthesis of <i>meso</i> -Aryl-Substituted [14]Triphyrin(2.1.1). <i>Journal of the American Chemical Society</i> , 2008, 130, 16478-16479.	6.6	115
8	Optically active BODIPYs. <i>Coordination Chemistry Reviews</i> , 2016, 318, 1-15.	9.5	102
9	Dihydronaphthalene-Fused Boron-Dipyrrromethene (BODIPY) Dyes: Insight into the Electronic and Conformational Tuning Modes of BODIPY Fluorophores. <i>Chemistry - A European Journal</i> , 2010, 16, 2887-2903.	1.7	93
10	A BODIPY-based "turn-on" fluorescent probe for hypoxic cell imaging. <i>Chemical Communications</i> , 2015, 51, 13389-13392.	2.2	87
11	Domino-like multi-emissions across red and near infrared from solid-state 2-/2,6-aryl substituted BODIPY dyes. <i>Nature Communications</i> , 2018, 9, 2688.	5.8	85
12	Synthesis and spectroscopic properties of bodipy dimers with effective solid-state emission. <i>RSC Advances</i> , 2012, 2, 8840.	1.7	78
13	Control over Energy Transfer between Fluorescent BODIPY Dyes in a Strongly Coupled Microcavity. <i>ACS Photonics</i> , 2018, 5, 258-266.	3.2	77
14	Porphodilactones as Synthetic Chlorophylls: Relative Orientation of β^2 -Substituents on a Pyrrolic Ring Tunes NIR Absorption. <i>Journal of the American Chemical Society</i> , 2014, 136, 9598-9607.	6.6	73
15	Boron-pyridyl-imino-isoindoline dyes: facile synthesis and photophysical properties. <i>Chemical Communications</i> , 2014, 50, 1074-1076.	2.2	72
16	Syntheses, structures, photoluminescence, and magnetic properties of nanoporous 3D lanthanide coordination polymers with 4,4'-biphenyldicarboxylate ligand. <i>CrystEngComm</i> , 2008, 10, 1237.	1.3	68
17	Asymmetric core-expanded aza-BODIPY analogues: facile synthesis and optical properties. <i>Chemical Communications</i> , 2015, 51, 1713-1716.	2.2	68
18	<i>Red/Near-Infrared Boron-Dipyrrromethene Dyes as Strongly Emitting Fluorophores</i> . <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 164-171.	1.8	61

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19	Mechanisms of blueshifts in organic polariton condensates. <i>Communications Physics</i> , 2020, 3, .	2.0	56
20	Optical Limiting Properties of 3,5-Dithienylenevinylene BODIPY Dyes at 532-nm. <i>Chemistry - A European Journal</i> , 2017, 23, 14507-14514.	1.7	51
21	A ratiometric fluorescent probe for real-time monitoring of intracellular glutathione fluctuations in response to cisplatin. <i>Chemical Science</i> , 2020, 11, 8495-8501.	3.7	51
22	Asymmetric boron-complexes containing keto-isoindolinyl and pyridyl groups: solvatochromic fluorescence, efficient solid-state emission and DFT calculations. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12281-12289.	2.7	47
23	A new aza-BODIPY based NIR region colorimetric and fluorescent chemodosimeter for fluoride. <i>RSC Advances</i> , 2014, 4, 53864-53869.	1.7	44
24	A 20-Electron Heteroporphyrin Containing a Thienopyrrole Unit. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12801-12805.	7.2	41
25	Chiral binaphthyl-linked BODIPY analogues: synthesis and spectroscopic properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4668-4674.	2.7	41
26	Modulation of the molecular spintronic properties of adsorbed copper corroles. <i>Nature Communications</i> , 2015, 6, 7547.	5.8	40
27	Facile Hg ²⁺ detection in water using fluorescent self-assembled monolayers of a rhodamine-based turn-on chemodosimeter formed via a "click" reaction. <i>Journal of Materials Chemistry</i> , 2011, 21, 10878.	6.7	39
28	Tuning the Coherent Propagation of Organic Exciton-Polaritons through Dark State Delocalization. <i>Advanced Science</i> , 2022, 9, e2105569.	5.6	38
29	Asymmetric Donor-Acceptor Type Benzo-Fused Aza-BODIPYs: Facile Synthesis and Colorimetric Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9070-9074.	7.2	36
30	On the Aggregation Behaviour and Spectroscopic Properties of Alkylated and Annelated Boron-Dipyrromethene (BODIPY) Dyes in Aqueous Solution. <i>ChemPhotoChem</i> , 2020, 4, 120-131.	1.5	35
31	Room Temperature Broadband Polariton Lasing from a Dye-Filled Microcavity. <i>Advanced Optical Materials</i> , 2019, 7, 1900163.	3.6	34
32	Highly Stable Neutral Corrole Radical: Amphoteric Aromatic "Antiaromatic Switching and Efficient Photothermal Conversion. <i>Journal of the American Chemical Society</i> , 2022, 144, 3458-3467.	6.6	31
33	Controlling conformations and physical properties of meso-tetrakis(phenylethynyl)porphyrins by ring fusion: synthesis, properties and structural characterizations. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3442.	1.5	29
34	The development of artificial porphyrinoids embedded with functional building blocks. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3239-3251.	2.7	29
35	Core-Modified Rubyrins Containing Dithienylethene Moieties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6563-6567.	7.2	27
36	Editorial: BODIPYs and Their Derivatives: The Past, Present and Future. <i>Frontiers in Chemistry</i> , 2020, 8, 290.	1.8	25

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37	Homochiral Ferromagnetic Coupling Dy ₂ Single-Molecule Magnets with Strong Magneto-Optical Faraday Effects at Room Temperature. <i>Inorganic Chemistry</i> , 2021, 60, 12039-12048.	1.9	25
38	Aromaticity versus regioisomeric effect of I ² -substituents in porphyrinoids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10152-10162.	1.3	24
39	Untargeted effects in organic exciton-polariton transient spectroscopy: A cautionary tale. <i>Journal of Chemical Physics</i> , 2021, 155, 154701.	1.2	24
40	A near IR photosensitizer based on self-assembled CdSe quantum dot-aza-BODIPY conjugate coated with poly(ethylene glycol) and folic acid for concurrent fluorescence imaging and photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 113991-113996.	1.7	21
41	Synthesis and spectroscopic properties of novel meso-cyano boron-pyridyl-isoindoline dyes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8223-8229.	1.5	20
42	Silyl- and Disilyl-BODIPYs: Synthesis via Catalytic Dehalosilylation and Spectroscopic Properties. <i>Chemistry - an Asian Journal</i> , 2017, 12, 561-567.	1.7	19
43	Synthesis and properties of azulene-functionalized BODIPYs. <i>RSC Advances</i> , 2016, 6, 32124-32129.	1.7	18
44	Rational Design of Emissive NIR-Absorbing Chromophores: Rh ^{III} Porphyrin-Aza-BODIPY Conjugates with Orthogonal Metal-Carbon Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 13201-13209.	1.7	17
45	J-Aggregation induced emission enhancement of a thienyl substituted bis(difluoroboron)-1,2-bis((1H-pyrrol-2-yl)methylene)hydrazine (BOPHY) dye. <i>New Journal of Chemistry</i> , 2018, 42, 8271-8275.	1.4	17
46	A cationic benzocorrole Cu(II) complex as a highly stable antiaromatic system. <i>Chemical Communications</i> , 2021, 57, 383-386.	2.2	17
47	Reversible Reaction-Based Fluorescent Probes for Dynamic Sensing and Bioimaging. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5647-5663.	1.2	16
48	Highly regioselective palladium-catalyzed domino reaction for post-functionalization of BODIPY. <i>Chemical Communications</i> , 2021, 57, 1758-1761.	2.2	16
49	Title is missing!. <i>Transition Metal Chemistry</i> , 2001, 26, 345-350.	0.7	15
50	A Highly Selective NIR Fluorescent Turn-on Probe for Hydroxyl Radical and Its Application in Living Cell Images. <i>Frontiers in Chemistry</i> , 2019, 7, 598.	1.8	15
51	A Convenient Route To Synthesize the Fully Conjugated Bimetallic Complex (Bu ₄ N) ₂ {tto[Ni(dmit) ₂]} (tto = Tetrathiooxalate, C ₂ S ₄ ²⁻ , and dmit = 1,3-dithiole-2-thione-4,5-dithiolate, C ₃ S ₅ ²⁻) and the Crystal Structure of a New Crystal Form. <i>Inorganic Chemistry</i> , 2000, 39, 1322-1324.	1.9	14
52	Influence of the meso-substituent on strongly red emitting phenanthrene-fused boron-dipyromethene (BODIPY) fluorophores with a propeller-like conformation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 352, 98-105.	2.0	14
53	Corrole-BODIPY conjugates: enhancing the fluorescence and phosphorescence of the corrole complex via efficient through bond energy transfer. <i>RSC Advances</i> , 2015, 5, 50962-50967.	1.7	13
54	Synthesis and photophysical properties of orthogonal rhodium(III)-carbon bonded porphyrin-aza-BODIPY conjugates. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8422-8428.	2.7	13

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55	Highly efficient near IR photosensitizers based-on Ir ^{III} -C bonded porphyrin-aza-BODIPY conjugates. RSC Advances, 2016, 6, 72115-72120.	1.7	13
56	Efficient energy transfer in ethynyl bridged corrole-BODIPY dyads. RSC Advances, 2016, 6, 72852-72858.	1.7	13
57	A pH-Reversible Fluorescent Probe for <i>in Situ</i> Imaging of Extracellular Vesicles and Their Secretion from Living Cells. Nano Letters, 2021, 21, 9224-9232.	4.5	13
58	N ² -Bridged Annulated BODIPYs: Synthesis of Highly Fluorescent Blueshifted Dyes. Chemistry - an Asian Journal, 2017, 12, 2216-2220.	1.7	12
59	{[Zn ₂ (Bim) ₃ (OH)(H ₂ O)] ⁺ ·(DMF)(H ₂ O) ₃ } ⁺ : A Two Dimensional Coordination Polymer with Layer Silicate-like Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1349-1351.	0.6	11
60	Optical properties and electronic structures of axially-ligated group 9 porphyrins. Journal of Porphyrins and Phthalocyanines, 2015, 19, 973-982.	0.4	10
61	Time-resolved oxygen & light indicating via photooxidation mediated up-conversion. Journal of Materials Chemistry C, 2016, 4, 9986-9992.	2.7	10
62	Synthesis and spectroscopic properties of novel N ² -linked bis-(diphenylboron) complexes. New Journal of Chemistry, 2016, 40, 5752-5757.	1.4	10
63	Real-time monitoring of newly acidified organelles during autophagy enabled by reaction-based BODIPY dyes. Communications Biology, 2019, 2, 442.	2.0	10
64	Ligand Non-innocence and Single Molecular Spintronic Properties of Ag ^{II} Dibenzo-corrole Radical on Ag(111). Angewandte Chemie - International Edition, 2021, 60, 11702-11706.	7.2	9
65	Metal-free oxidative synthesis of benzimidazole compounds by dehydrogenative coupling of diamines and alcohols. Organic and Biomolecular Chemistry, 2022, 20, 2852-2856.	1.5	9
66	Structure Modification and Spectroscopic Properties of Artificial Porphyrinoids. Israel Journal of Chemistry, 2016, 56, 119-129.	1.0	8
67	Iridium complex of porphycene: a new member of metalloporphycene. Science China Chemistry, 2020, 63, 682-686.	4.2	8
68	B ² -O ² -B bridged BOPPY derivatives: synthesis, structures, and acid-catalyzed <i>cis</i> - <i>trans</i> isomeric interconversion. Dalton Transactions, 2022, 51, 2708-2714.	1.6	7
69	NIR Absorbing AzaBODIPY Dyes for pH Sensing. Molecules, 2020, 25, 3689.	1.7	6
70	Synthesis, Properties, and Packing Structures of Wing-Shaped N-Doped Nanographene in Various Oxidation States. Organic Letters, 2022, 24, 80-84.	2.4	6
71	Synthesis and photophysical properties of cyclometalated heteroleptic iridium(III) complexes containing pyridyl/isoquinolyl-imino-isoindoline ancillary ligand. Supramolecular Chemistry, 2018, 30, 328-335.	1.5	5
72	Synthesis of Planar <i>meso</i> -Aryl Rosarins: A Reversible Antiaromatic/Aromatic Interconversion. Organic Letters, 2022, , .	2.4	5

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73	Synthesis, crystal structure and magnetic susceptibility of a novel binuclear complex: [Cu ₂ (phen) ₂ (4,4'-dpy) ₃ (OH) ₂] \cdot 2NO ₃ \cdot 5H ₂ O. Journal of Coordination Chemistry, 2005, 58, 1139-1144.	0.8	4
74	Regulation of an Ambient-Light-Induced Photocyclization Pathway (Norrish-Yang Versus 6I) by Substituent Choice. Chemistry - A European Journal, 2020, 26, 12418-12430.	1.7	4
75	Trends in the optical and redox properties of tetraphenyltetraphenanthroporphyrins. Journal of Porphyrins and Phthalocyanines, 2012, 16, 833-844.	0.4	3
76	Synthesis and crystal structure of 4,5-(cis-cyclohexylenedithio)-1,3-dithiole-2-one. Journal of Chemical Crystallography, 1999, 29, 719-723.	0.5	2
77	A Chiral Hemiporphyrazine Derivative: Synthesis and Chiroptical Properties. Chemistry - an Asian Journal, 2016, 11, 2113-2116.	1.7	2
78	Thermal switches between delayed fluorescence and persistent phosphorescence based on a keto-BODIPY electron acceptor. Organic and Biomolecular Chemistry, 2021, 19, 2030-2037.	1.5	2
79	Low-symmetry porphyrin analogues with flexible open-form dithienylethene moieties: Intense near IR Q bands. Dyes and Pigments, 2021, 192, 109440.	2.0	2
80	A dual therapeutic system based on corrole-siRNA conjugates. Organic and Biomolecular Chemistry, 2022, , .	1.5	2
81	Photodynamic activity of 2,6-diiodo-3,5-dithienylvinyleneBODIPYs and their folate-functionalized chitosan-coated Pluronic [®] F-127 micelles on MCF-7 breast cancer cells. Journal of Porphyrins and Phthalocyanines, 2020, 24, 973-984.	0.4	1
82	Ligand Non-innocence and Single Molecular Spintronic Properties of Ag II Dibenzo-corrole Radical on Ag(111). Angewandte Chemie, 2021, 133, 11808-11812.	1.6	1
83	The bis(ethylene)-dithiotetrathiafulvalene radical salt of [PVMo ₁₁ O ₄₀] ⁴⁻ . Transition Metal Chemistry, 1999, 24, 160-162.	0.7	0
84	Inside Cover: The Synthesis and Properties of Free-Base [14]Triphyrin(2.1.1) Compounds and the Formation of Subporphyrinoid Metal Complexes (Chem. Eur. J. 16/2011). Chemistry - A European Journal, 2011, 17, 4334-4334.	1.7	0