Yu-Zhe Chen

List of Publications by Year
in descending order

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73 papers	5,518 citations	126907 33 h-index	82547 72 g-index
80 all docs	80 docs citations	80 times ranked	5488 citing authors

#	Article	IF	Citations
1	BODIPY-Based Ratiometric Fluorescent Sensor for Highly Selective Detection of Glutathione over Cysteine and Homocysteine. Journal of the American Chemical Society, 2012, 134, 18928-18931.	13.7	820
2	Design strategies of fluorescent probes for selective detection among biothiols. Chemical Society Reviews, 2015, 44, 6143-6160.	38.1	721
3	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. Chemical Reviews, 2015, 115, 7502-7542.	47.7	413
4	Pure Organic Room Temperature Phosphorescence from Excited Dimers in Self-Assembled Nanoparticles under Visible and Near-Infrared Irradiation in Water. Journal of the American Chemical Society, 2019, 141, 5045-5050.	13.7	285
5	Dynamic Covalent Bond Based on Reversible Photo [4 + 4] Cycloaddition of Anthracene for Construction of Double-Dynamic Polymers. Organic Letters, 2013, 15, 6148-6151.	4.6	221
6	Photoresponsive Hydrogenâ€Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. Angewandte Chemie - International Edition, 2013, 52, 9738-9742.	13.8	204
7	A turn-on fluorescent sensor for the discrimination of cystein from homocystein and glutathione. Chemical Communications, 2013, 49, 1294.	4.1	197
8	Difluoroboron Î²-diketonate dyes: Spectroscopic properties and applications. Coordination Chemistry Reviews, 2017, 350, 196-216.	18.8	163
9	Lightâ€Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. Angewandte Chemie - International Edition, 2016, 55, 2759-2763.	13.8	151
10	Artificial Lightâ€Harvesting System Based on Multifunctional Surfaceâ€Crossâ€Linked Micelles. Angewandte Chemie - International Edition, 2012, 51, 2088-2092.	13.8	146
11	A Solidâ€State Fluorescent Material Based on Carbazoleâ€Containing Difluoroboron Î²â€Diketonate: Multiple Chromisms, the Selfâ€Assembly Behavior, and Optical Waveguides. Advanced Functional Materials, 2017, 27, 1700332.	14.9	123
12	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. Chemical Communications, 2014, 50, 1334-1337.	4.1	118
13	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. Advanced Functional Materials, 2016, 26, 5483-5489.	14.9	105
14	A near-infrared fluorescent sensor for selective detection of cysteine and its application in live cell imaging. RSC Advances, 2014, 4, 8360.	3.6	96
15	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based hostâ€“guest interaction. Chemical Communications, 2018, 54, 1117-1120.	4.1	92
16	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. Chemical Communications, 2014, 50, 7001-7003.	4.1	91
17	A multi-emissive fluorescent probe for the discrimination of glutathione and cysteine. Biosensors and Bioelectronics, 2017, 90, 403-409.	10.1	87
18	Pure Organic Room Temperature Phosphorescence from Unique Micelleâ€Assisted Assembly of Nanocrystals in Water. Advanced Functional Materials, 2020, 30, 1907282.	14.9	75

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19	Fluorescent sensors for selective detection of thiols: expanding the intramolecular displacement based mechanism to new chromophores. Analyst, The, 2014, 139, 1389.	3.5	70
20	A Hydrogenâ€Bondedâ€Supramolecularâ€Polymerâ€Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells. Advanced Functional Materials, 2016, 26, 5419-5425.	14.9	67
21	BODIPY-based fluorescent probe for the simultaneous detection of glutathione and cysteine/homocysteine at different excitation wavelengths. RSC Advances, 2015, 5, 3959-3964.	3.6	65
22	Monochromophoreâ€Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. Angewandte Chemie - International Edition, 2020, 59, 23456-23460.	13.8	62
23	Synthesis of a Photoresponsive Cryptand and Its Complexations with Paraquat and 2,7-Diazapyrenium. Organic Letters, 2014, 16, 684-687.	4.6	56
24	Carbazole-containing difluoroboron Î²-diketonate dyes: two-photon excited fluorescence in solution and grinding-induced blue-shifted emission in the solid state. Journal of Materials Chemistry C, 2017, 5, 12538-12546.	5.5	53
25	A colorimetric and fluorometric dual-modal chemosensor for cyanide in water. Sensors and Actuators B: Chemical, 2012, 168, 14-19.	7.8	51
26	A mitochondria-targeting fluorescent probe for the selective detection of glutathione in living cells. Organic and Biomolecular Chemistry, 2017, 15, 1072-1075.	2.8	51
27	BODIPY-based fluorometric sensor array for the highly sensitive identification of heavy-metal ions. Analytica Chimica Acta, 2013, 775, 93-99.	5.4	50
28	Multipleâ€State Emissions from Neat, Singleâ€Component Molecular Solids: Suppression of Kasha's Rule. Angewandte Chemie - International Edition, 2020, 59, 10173-10178.	13.8	49
29	A light-driven molecular machine based on stiff stilbene. Chemical Communications, 2018, 54, 7991-7994.	4.1	47
30	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. Materials Chemistry Frontiers, 2018, 2, 1893-1899.	5.9	39
31	Hydrogen Bonding Directed Self-Assembly of Small-Molecule Amphiphiles in Water. Organic Letters, 2014, 16, 4016-4019.	4.6	37
32	Lightâ€Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. Angewandte Chemie, 2016, 128, 2809-2813.	2.0	36
33	Ratiometric O₂ sensing based on selective self-sensitized photooxidation of donorâ€“acceptor fluorophores. Chemical Communications, 2019, 55, 7017-7020.	4.1	34
34	Synthesis of a disulfide-bridged bispillar[5]arene and its application in supramolecular polymers. Polymer Chemistry, 2016, 7, 2057-2061.	3.9	31
35	A ratiometric fluorescent probe based on monochlorinated BODIPY for the discrimination of thiophenols over aliphatic thiols in water samples and in living cells. Sensors and Actuators B: Chemical, 2017, 252, 470-476.	7.8	30
36	A selective turn-on fluorescent probe for Cd2+ based on a boron difluoride Î²-dibenzoyl dye and its application in living cells. Organic and Biomolecular Chemistry, 2013, 11, 3014.	2.8	29

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37	Photoresponsive AA/BB supramolecular polymers comprising stiff-stilbene based guests and bispillar[5]arenes. Polymer Chemistry, 2017, 8, 3596-3602.	3.9	29
38	Monofunctionalized pillar[5]arene-based stable [1]pseudorotaxane. Chinese Chemical Letters, 2015, 26, 843-846.	9.0	28
39	Water-soluble, membrane-permeable organic fluorescent nanoparticles with large tunability in emission wavelengths and Stokes shifts. Chemical Communications, 2013, 49, 5877.	4.1	26
40	Dicyanoboron diketonate dyes: Synthesis, photophysical properties and bioimaging. Dyes and Pigments, 2015, 112, 162-169.	3.7	26
41	Visible Light-Induced Synthesis of 3,4-Diarylthiophenes from 3,4-Diaryl-2,5-dihydrothiophenes. Journal of Organic Chemistry, 2012, 77, 6773-6777.	3.2	23
42	A Phosphorescent Platinum(II) Bipyridyl Supramolecular Polymer Based on Quadruple Hydrogen Bonds. Chemistry - A European Journal, 2016, 22, 18132-18139.	3.3	23
43	Confined Space-Controlled Hydroperoxidation of Trisubstituted Alkenes Adsorbed on Pentasil Zeolites. Journal of Organic Chemistry, 2005, 70, 4676-4681.	3.2	22
44	Colorimetric sensors with different reactivity for the quantitative determination of cysteine, homocysteine and glutathione in a mixture. RSC Advances, 2015, 5, 13042-13045.	3.6	22
45	Supramolecular Polymer-Based Fluorescent Microfibers for Switchable Optical Waveguides. ACS Applied Materials & Interfaces, 2018, 10, 26526-26532.	8.0	22
46	Multipleâ€Šstate Emissions from Neat, Singleâ€Ccomponent Molecular Solids: Suppression of Kasha's Rule. Angewandte Chemie, 2020, 132, 10259-10264.	2.0	22
47	Ultralong Room-Temperature Phosphorescence of Silicon-Based Pure Organic Crystal for Oxygen Sensing. CCS Chemistry, 2022, 4, 1007-1015.	7.8	22
48	A multi-stimuli-responsive fluorescence switch based on Eâ€“Z isomerization of hydrazone. RSC Advances, 2016, 6, 41002-41006.	3.6	20
49	Exploration of the two-step crystallization of organic micro/nano crystalline materials by fluorescence spectroscopy. Materials Chemistry Frontiers, 2018, 2, 1323-1327.	5.9	20
50	Synthesis of N,O,Bâ€Chelated Dipyrromethenes through an Unexpected Intramolecular Cyclisation: Enhanced Nearâ€Infrared Emission in the Aggregate/Solid State. Chemistry - A European Journal, 2018, 24, 13549-13555.	3.3	20
51	Cascade reaction-based fluorescent probe for detection of H2S with the assistance of CTAB micelles. Chinese Chemical Letters, 2016, 27, 1793-1796.	9.0	19
52	Convenient Synthesis of Functionalized Bisâ€ureidopyrimidinones Based on Thiolâ€yne Reaction. Chemistry - A European Journal, 2014, 20, 11699-11702.	3.3	16
53	Stiff-stilbene derivatives as new bright fluorophores with aggregation-induced emission. Science China Chemistry, 2019, 62, 1194-1197.	8.2	15
54	Fabrication of continuous highly ordered mesoporous silica nanofibre with core/sheath structure and its application as catalyst carrier. Nanoscale, 2011, 3, 3601.	5.6	14

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55	A BODIPY analogue from the tautomerization of sodium 3-oxide BODIPY. Chinese Chemical Letters, 2015, 26, 631-635.	9.0	14
56	Bidirectional Singlet and Triplet Energy Transfer via the 2-Ureido-4[1H]-pyrimidinone Quadruple Hydrogen-Bonded Module. Journal of Physical Chemistry C, 2016, 120, 16507-16515.	3.1	14
57	Efficient electronic communication-driven photoinduced charge-separation in 2-ureido-4[1H]-pyrimidinone quadruple hydrogen-bonded N,N-dimethylaniline-anthracene assemblies. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 457-466.	3.9	12
58	A self-assembled fluorescent nanoprobe for detection of GSH and dual-channel imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 311-317.	3.9	11
59	Photoreactions of substituted o-cresyl acylates in cyclohexane and in polyethylene films. The influences of intra- and inter-molecular â€˜crowdingâ€™ effects. Photochemical and Photobiological Sciences, 2009, 8, 916-925.	2.9	7
60	Monochromophoreâ€Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. Angewandte Chemie, 2020, 132, 23662-23666.	2.0	7
61	Synthesis of magnetic photocatalyst and sensitization properties of polypyrrole. Science and Engineering of Composite Materials, 2016, 23, 269-275.	1.4	6
62	Synthesis, Characterization, and Selective Sr²⁺ Sensing Study of Copper(I)â€Bridged Calix[4]areneâ€Based Binuclear Alkynylplatinum(II) Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 5108-5113.	2.0	5
63	Filamentous Virus Oriented Pyrene Excimer Emission and Its Efficient Energy Transfer. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 32-37.	3.9	5
64	Silica-supported dual-dye nanoprobes for ratiometric hypoxia sensing. Materials Chemistry Frontiers, 2021, 5, 458-464.	5.9	5
65	Triplet-Triplet Annihilation Upconversion Based on Silica Nanoparticles. Acta Chimica Sinica, 2019, 77, 41.	1.4	4
66	Why is there no in-plane H-atom transfer from aryloxy radicals? A theoretical and experimental investigation. Photochemical and Photobiological Sciences, 2010, 9, 1203-1211.	2.9	3
67	A Simple Strategy to Construct Amorphous Metalâ€Free Room Temperature Phosphorescent and Multiâ€Color Materials. ChemPhysChem, 2018, 19, 2131-2133.	2.1	2
68	Research Progress of Reaction-Based Chemosensor System. Chinese Journal of Organic Chemistry, 2012, 32, 46.	1.3	2
69	Synthesis and Photophysical Studies of Naphthalene Diimide-based[3]Rotaxanes. Acta Chimica Sinica, 2018, 76, 779.	1.4	1
70	Hydrogen Bonding-Controlled Photoinduced Electron and Energy Transfer. Lecture Notes in Quantum Chemistry II, 2015, , 1-42.	0.3	0
71	Biosensing: A Hydrogen-Bonded-Supramolecular-Polymer-Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells (Adv. Funct. Mater. 30/2016). Advanced Functional Materials, 2016, 26, 5580-5580.	14.9	0
72	Chen-Ho Tung and his research on supramolecular photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 2-8.	3.9	0

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73	Innentitelbild: Multipleâ€Šstate Emissions from Neat, Singleâ€Component Molecular Solids: Suppression of Kasha's Rule (Angew. Chem. 25/2020). Angewandte Chemie, 2020, 132, 9870-9870.	2.0	0