

# 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	Ultralong Room-Temperature Phosphorescence of Silicon-Based Pure Organic Crystal for Oxygen Sensing. <i>CCS Chemistry</i> , 2022, 4, 1007-1015.	7.8	22
2	Silica-supported dual-dye nanoprobe for ratiometric hypoxia sensing. <i>Materials Chemistry Frontiers</i> , 2021, 5, 458-464.	5.9	5
3	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23456-23460.	13.8	62
4	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. <i>Angewandte Chemie</i> , 2020, 132, 23662-23666.	2.0	7
5	Innenteilbild: Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule ( <i>Angew. Chem.</i> 25/2020). <i>Angewandte Chemie</i> , 2020, 132, 9870-9870.	2.0	0
6	Pure Organic Room Temperature Phosphorescence from Unique Micelle-Assisted Assembly of Nanocrystals in Water. <i>Advanced Functional Materials</i> , 2020, 30, 1907282.	14.9	75
7	Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule. <i>Angewandte Chemie</i> , 2020, 132, 10259-10264.	2.0	22
8	Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10173-10178.	13.8	49
9	Stiff-stilbene derivatives as new bright fluorophores with aggregation-induced emission. <i>Science China Chemistry</i> , 2019, 62, 1194-1197.	8.2	15
10	Ratiometric O <sub>2</sub> sensing based on selective self-sensitized photooxidation of donor-acceptor fluorophores. <i>Chemical Communications</i> , 2019, 55, 7017-7020.	4.1	34
11	Pure Organic Room Temperature Phosphorescence from Excited Dimers in Self-Assembled Nanoparticles under Visible and Near-Infrared Irradiation in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 5045-5050.	13.7	285
12	Triplet-Triplet Annihilation Upconversion Based on Silica Nanoparticles. <i>Acta Chimica Sinica</i> , 2019, 77, 41.	1.4	4
13	Exploration of the two-step crystallization of organic micro/nano crystalline materials by fluorescence spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1323-1327.	5.9	20
14	Filamentous Virus Oriented Pyrene Excimer Emission and Its Efficient Energy Transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 32-37.	3.9	5
15	Chen-Ho Tung and his research on supramolecular photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 2-8.	3.9	0
16	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host-guest interaction. <i>Chemical Communications</i> , 2018, 54, 1117-1120.	4.1	92
17	Efficient electronic communication-driven photoinduced charge-separation in 2-ureido-4[1H]-pyrimidinone quadruple hydrogen-bonded N,N-dimethylaniline-anthracene assemblies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 457-466.	3.9	12
18	A self-assembled fluorescent nanoprobe for detection of GSH and dual-channel imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 311-317.	3.9	11

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19	A Simple Strategy to Construct Amorphous Metal-Free Room Temperature Phosphorescent and Multi-Color Materials. <i>ChemPhysChem</i> , 2018, 19, 2131-2133.	2.1	2
20	A light-driven molecular machine based on stiff stilbene. <i>Chemical Communications</i> , 2018, 54, 7991-7994.	4.1	47
21	Synthesis of N,O-Chelated Dipyrromethenes through an Unexpected Intramolecular Cyclisation: Enhanced Near-Infrared Emission in the Aggregate/Solid State. <i>Chemistry - A European Journal</i> , 2018, 24, 13549-13555.	3.3	20
22	Supramolecular Polymer-Based Fluorescent Microfibers for Switchable Optical Waveguides. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26526-26532.	8.0	22
23	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1893-1899.	5.9	39
24	Synthesis and Photophysical Studies of Naphthalene Diimide-based [3]Rotaxanes. <i>Acta Chimica Sinica</i> , 2018, 76, 779.	1.4	1
25	A multi-emissive fluorescent probe for the discrimination of glutathione and cysteine. <i>Biosensors and Bioelectronics</i> , 2017, 90, 403-409.	10.1	87
26	A Solid-State Fluorescent Material Based on Carbazole-Containing Difluoroboron $\beta$ -diketonate: Multiple Chromisms, the Self-Assembly Behavior, and Optical Waveguides. <i>Advanced Functional Materials</i> , 2017, 27, 1700332.	14.9	123
27	Photoresponsive AA/BB supramolecular polymers comprising stiff-stilbene based guests and bispillar[5]arenes. <i>Polymer Chemistry</i> , 2017, 8, 3596-3602.	3.9	29
28	A ratiometric fluorescent probe based on monochlorinated BODIPY for the discrimination of thiophenols over aliphatic thiols in water samples and in living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 470-476.	7.8	30
29	A mitochondria-targeting fluorescent probe for the selective detection of glutathione in living cells. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1072-1075.	2.8	51
30	Difluoroboron $\beta$ -diketonate dyes: Spectroscopic properties and applications. <i>Coordination Chemistry Reviews</i> , 2017, 350, 196-216.	18.8	163
31	Synthesis, Characterization, and Selective $\text{Sr}^{2+}$ Sensing Study of Copper(I)-Bridged Calix[4]arene-Based Binuclear Alkynylplatinum(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5108-5113.	2.0	5
32	Carbazole-containing difluoroboron $\beta$ -diketonate dyes: two-photon excited fluorescence in solution and grinding-induced blue-shifted emission in the solid state. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12538-12546.	5.5	53
33	A Hydrogen-Bonded Supramolecular Polymer-Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells. <i>Advanced Functional Materials</i> , 2016, 26, 5419-5425.	14.9	67
34	Light-Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2759-2763.	18.8	151
35	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2016, 26, 5483-5489.	14.9	105
36	A multi-stimuli-responsive fluorescence switch based on E $\rightleftharpoons$ Z isomerization of hydrazone. <i>RSC Advances</i> , 2016, 6, 41002-41006.	3.6	20

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37	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
38	Bidirectional Singlet and Triplet Energy Transfer via the 2-Ureido-4[1 <i>H</i> ]-pyrimidinone Quadruple Hydrogen-Bonded Module. Journal of Physical Chemistry C, 2016, 120, 16507-16515.	3.1	14
39	A Phosphorescent Platinum(II) Bipyridyl Supramolecular Polymer Based on Quadruple Hydrogen Bonds. Chemistry - A European Journal, 2016, 22, 18132-18139.	3.3	23
40	Light Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. Angewandte Chemie, 2016, 128, 2809-2813.	2.0	36
41	Cascade reaction-based fluorescent probe for detection of H <sub>2</sub> S with the assistance of CTAB micelles. Chinese Chemical Letters, 2016, 27, 1793-1796.	9.0	19
42	Synthesis of a disulfide-bridged bispillar[5]arene and its application in supramolecular polymers. Polymer Chemistry, 2016, 7, 2057-2061.	3.9	31
43	Synthesis of magnetic photocatalyst and sensitization properties of polypyrrole. Science and Engineering of Composite Materials, 2016, 23, 269-275.	1.4	6
44	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. Chemical Reviews, 2015, 115, 7502-7542.	47.7	413
45	Design strategies of fluorescent probes for selective detection among biothiols. Chemical Society Reviews, 2015, 44, 6143-6160.	38.1	721
46	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
47	Monofunctionalized pillar[5]arene-based stable [1]pseudorotaxane. Chinese Chemical Letters, 2015, 26, 843-846.	9.0	28
48	Hydrogen Bonding-Controlled Photoinduced Electron and Energy Transfer. Lecture Notes in Quantum Chemistry II, 2015, , 1-42.	0.3	0
49	A BODIPY analogue from the tautomerization of sodium 3-oxide BODIPY. Chinese Chemical Letters, 2015, 26, 631-635.	9.0	14
50	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
51	Dicyanoboron diketonate dyes: Synthesis, photophysical properties and bioimaging. Dyes and Pigments, 2015, 112, 162-169.	3.7	26
52	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
53	Fluorescent sensors for selective detection of thiols: expanding the intramolecular displacement based mechanism to new chromophores. Analyst, The, 2014, 139, 1389.	3.5	70
54	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

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55	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. <i>Chemical Communications</i> , 2014, 50, 7001-7003.	4.1	91
56	Convenient Synthesis of Functionalized Bis-ureidopyrimidinones Based on Thiol-yne Reaction. <i>Chemistry - A European Journal</i> , 2014, 20, 11699-11702.	3.3	16
57	Hydrogen Bonding Directed Self-Assembly of Small-Molecule Amphiphiles in Water. <i>Organic Letters</i> , 2014, 16, 4016-4019.	4.6	37
58	Synthesis of a Photoresponsive Cryptand and Its Complexations with Paraquat and 2,7-Diazapyrenium. <i>Organic Letters</i> , 2014, 16, 684-687.	4.6	56
59	Photoresponsive Hydrogen-Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9738-9742.	13.8	204
60	Water-soluble, membrane-permeable organic fluorescent nanoparticles with large tunability in emission wavelengths and Stokes shifts. <i>Chemical Communications</i> , 2013, 49, 5877.	4.1	26
61	A turn-on fluorescent sensor for the discrimination of cystein from homocystein and glutathione. <i>Chemical Communications</i> , 2013, 49, 1294.	4.1	197
62	A selective turn-on fluorescent probe for Cd <sup>2+</sup> based on a boron difluoride <sup>2</sup> -dibenzoyl dye and its application in living cells. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3014.	2.8	29
63	BODIPY-based fluorometric sensor array for the highly sensitive identification of heavy-metal ions. <i>Analytica Chimica Acta</i> , 2013, 775, 93-99.	5.4	50
64	Dynamic Covalent Bond Based on Reversible Photo [4 + 4] Cycloaddition of Anthracene for Construction of Double-Dynamic Polymers. <i>Organic Letters</i> , 2013, 15, 6148-6151.	4.6	221
65	Visible Light-Induced Synthesis of 3,4-Diarylthiophenes from 3,4-Diaryl-2,5-dihydrothiophenes. <i>Journal of Organic Chemistry</i> , 2012, 77, 6773-6777.	3.2	23
66	BODIPY-Based Ratiometric Fluorescent Sensor for Highly Selective Detection of Glutathione over Cysteine and Homocysteine. <i>Journal of the American Chemical Society</i> , 2012, 134, 18928-18931.	13.7	820
67	A colorimetric and fluorometric dual-modal chemosensor for cyanide in water. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 14-19.	7.8	51
68	Artificial Light-Harvesting System Based on Multifunctional Surface-Cross-Linked Micelles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2088-2092.	13.8	146
69	Research Progress of Reaction-Based Chemosensor System. <i>Chinese Journal of Organic Chemistry</i> , 2012, 32, 46.	1.3	2
70	Fabrication of continuous highly ordered mesoporous silica nanofibre with core/sheath structure and its application as catalyst carrier. <i>Nanoscale</i> , 2011, 3, 3601.	5.6	14
71	Why is there no in-plane H-atom transfer from aryloxy radicals? A theoretical and experimental investigation. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1203-1211.	2.9	3
72	Photoreactions of substituted o-cresyl acylates in cyclohexane and in polyethylene films. The influences of intra- and inter-molecular $\pi$ -crowding <sup>TM</sup> effects. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 916-925.	2.9	7

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73	Confined Space-Controlled Hydroperoxidation of Trisubstituted Alkenes Adsorbed on Pentasil Zeolites. <i>Journal of Organic Chemistry</i> , 2005, 70, 4676-4681.	3.2	22