

Yu-Mo Zhang

List of Publications by Year in descending order

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45
papers

1,761
citations

304743

22
h-index

276875

41
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docs citations

47
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	A Strategy of Stabilization via Active Energy-Exchange for Bistable Electrochromic Displays. <i>CCS Chemistry</i> , 2022, 4, 2757-2767.	7.8	15
2	Multi-Component Collaborative Step-by-Step Coloring Strategy to Achieve High-Performance Light-Responsive Color-Switching. <i>Advanced Science</i> , 2022, 9, e2103309.	11.2	15
3	Dynamic Metal-Ligand Interaction of Synergistic Polymers for Bistable See-Through Electrochromic Devices. <i>Advanced Materials</i> , 2022, 34, e2104413.	21.0	25
4	A flexible flame-retardant electrochromic device. <i>Materials Letters</i> , 2022, 317, 132106.	2.6	2
5	A Multiple Chirality Switching Device for Spatial Light Modulators. <i>Angewandte Chemie</i> , 2021, 133, 2046-2051.	2.0	2
6	A Multiple Chirality Switching Device for Spatial Light Modulators. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2018-2023.	13.8	10
7	Green revolution in electronic displays expected to ease energy and health crises. <i>Light: Science and Applications</i> , 2021, 10, 33.	16.6	25
8	Stimuli-Induced Reversible Proton Transfer for Stimuli-Responsive Materials and Devices. <i>Accounts of Chemical Research</i> , 2021, 54, 2216-2226.	15.6	73
9	A see-through electrochromic display via dynamic metal-ligand interactions. <i>CheM</i> , 2021, 7, 1308-1320.	11.7	39
10	Recent advances in poly(ionic liquid)s for electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4730-4741.	5.5	26
11	Advances in nanomaterials for electrochromic devices. <i>Chemical Society Reviews</i> , 2020, 49, 8687-8720.	38.1	198
12	A Single-Pixel RGB Device in a Colorful Alphanumeric Electrofluorochromic Display. <i>Advanced Materials</i> , 2020, 32, e2003121.	21.0	34
13	A Transparent Multidimensional Electrode with Indium Tin Oxide Nanofibers and Gold Nanoparticles for Bistable Electrochromic Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27453-27460.	8.0	22
14	Spontaneous proton transfer in a series of amphoteric molecules under hydrostatic pressure. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17696-17702.	2.8	10
15	Highly stretchable electrochromic hydrogels for use in wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9481-9486.	5.5	38
16	A multicolour bistable electronic shelf label based on intramolecular proton-coupled electron transfer. <i>Nature Materials</i> , 2019, 18, 1335-1342.	27.5	161
17	An AIE fluorescent switch with multi-stimuli responsive properties and applications for quantitatively detecting pH value, sulfite anion and hydrostatic pressure. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1052-1061.	5.9	40
18	Photo-Baso-Chromisms and the Application of a Dual-Addressable Molecular Switch. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2838-2845.	3.3	9

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19	Construction of highly fluorescent Nâ€“O seven-membered heterocycles via thermo-oxidation of oxazolidines. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8045-8052.	5.5	10
20	Three primary color (cyan/magenta/yellow) switchable electrochromic devices based on PEDOT:PSS and â€“electrobase/electroacidâ€™ theory. <i>New Journal of Chemistry</i> , 2019, 43, 8410-8413.	2.8	11
21	Emissions and the application of a series of twisted fluorophores with intramolecular weak hydrogen bonds. <i>RSC Advances</i> , 2019, 9, 13214-13219.	3.6	1
22	Firefly-Inspired Approach to Develop New Chemiluminescence Materials. <i>IScience</i> , 2019, 13, 478-487.	4.1	4
23	Bio-inspired ultra-high energy efficiency bistable electronic billboard and reader. <i>Nature Communications</i> , 2019, 10, 1559.	12.8	96
24	A Multiâ€“Stimuliâ€“Responsive Oxazine Molecular Switch: A Strategy for the Design of Electrochromic Materials. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1206-1212.	3.3	14
25	Non-invasive fluorescence switch in polymer films based on spiropyran-photoacid modified TPE. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2113-2122.	5.5	59
26	Photostable and Low-Toxic Yellow-Green Carbon Dots for Highly Selective Detection of Explosive 2,4,6-Trinitrophenol Based on the Dual Electron Transfer Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13040-13047.	8.0	121
27	Fabrication and photoelectric properties of bio-inspired honeycomb film based on semiconducting polymer. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 1-6.	9.4	11
28	Strong and insusceptible photo-emissions from an intramolecular weak hydrogen bond strengthened twisted fluorophore. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23851-23855.	2.8	6
29	Pyrene spiropyran dyad: solvato-, acido- and mechanofluorochromic properties and its application in acid sensing and reversible fluorescent display. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6940-6948.	5.5	41
30	Reversible Bond/Cation-Coupled Electron Transfer on Phenylenediamine-Based Rhodamine B and Its Application on Electrochromism. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20196-20204.	8.0	16
31	A transparent 3D electrode with a criss-crossed nanofiber network for solid electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11059-11066.	5.5	11
32	Endowing Hydrochromism to Fluorans via Bioinspired Alteration of Molecular Structures and Microenvironments and Expanding Their Potential for Rewritable Paper. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38032-38041.	8.0	50
33	An RGB color-tunable turn-on electrofluorochromic device and its potential for information encryption. <i>Chemical Communications</i> , 2017, 53, 11209-11212.	4.1	60
34	Luciferin inspired oxygen sensing with alternant change of color and fluorescence. <i>Dyes and Pigments</i> , 2017, 138, 1-6.	3.7	5
35	A methyl ketone bridged molecule as a multi-stimuli-responsive color switch for electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4662-4667.	5.5	11
36	A High Contrast Triâ€“state Fluorescent Switch: Properties and Applications. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3205-3212.	3.3	21

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37	Facile Synthesis, Macroscopic Separation, E/Z Isomerization, and Distinct AIE properties of Pure Stereoisomers of an Oxetane-Substituted Tetraphenylethene Luminogen. <i>Chemistry of Materials</i> , 2016, 28, 6628-6636.	6.7	71
38	A fluorescence molecular switch with high contrast multi-emissions and ON/OFF states. <i>RSC Advances</i> , 2016, 6, 90305-90309.	3.6	20
39	Tunable RGB luminescence of a single molecule with high quantum yields through a rational design. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1527-1532.	5.5	17
40	Dynamic Behavior of Molecular Switches in Crystal under Pressure and Its Reflection on Tactile Sensing. <i>Journal of the American Chemical Society</i> , 2015, 137, 931-939.	13.7	189
41	A single-molecule multicolor electrochromic device generated through medium engineering. <i>Light: Science and Applications</i> , 2015, 4, e249-e249.	16.6	56
42	Electrochromic Switching and Microkinetic Behaviour of Oxazine Derivatives and Their Applications. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1227-1235.	2.4	24
43	Highly durable colour/emission switching of fluorescein in a thin film device using H^+ electro-acid/base as in situ stimuli. <i>Chemical Communications</i> , 2014, 50, 1420.	4.1	38
44	Bio-inspired enol-degradation for multipurpose oxygen sensing. <i>Chemical Communications</i> , 2014, 50, 13477-13480.	4.1	13
45	A new class of H^+ electro-acid/base-induced reversible methyl ketone colour switches. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5309.	5.5	40