

Zhi-Ming Duan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

386
citations

759233

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22
all docs

22
docs citations

22
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Proton-Coupled Redox Switching in an Annulated β -Extended Core-Modified Octaphyrin. <i>Journal of the American Chemical Society</i> , 2018, 140, 12111-12119.	13.7	41
2	Improving Water-Stability and Porosity of Lanthanide Metal-Organic Frameworks by Stepwise Synthesis for Sensing and Removal of Heavy Metal Ions. <i>Crystal Growth and Design</i> , 2018, 18, 4602-4610.	3.0	41
3	Shape-persistent pyrrole-based covalent organic cages: synthesis, structure and selective gas adsorption properties. <i>Chemical Communications</i> , 2019, 55, 6185-6188.	4.1	36
4	Highly effective H ₂ /D ₂ separation in a stable Cu-based metal-organic framework. <i>Nano Research</i> , 2021, 14, 518-525.	10.4	32
5	A 3D Calcium Spirobifluorene Metal-Organic Framework: Single-Crystal-to-Single-Crystal Transformation and Toluene Detection by a Quartz Crystal Microbalance Sensor. <i>Inorganic Chemistry</i> , 2018, 57, 1689-1692.	4.0	31
6	Excitonically Coupled Cyclic BF ₂ Arrays of Calix[8]- and Calix[16]pyrin as Near-IR Chromophores. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13063-13070.	13.8	29
7	4,4'-Diaminodiphenyl Sulfone Functionalized SBA-15: Toluene Sensing Properties and Improved Proton Conductivity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1879-1886.	3.1	23
8	Self-Assembled Cagelike Receptor That Binds Biologically Relevant Dicarboxylic Acids via Proton-Coupled Anion Recognition. <i>Journal of the American Chemical Society</i> , 2020, 142, 1987-1994.	13.7	18
9	Fluorescent Supramolecular Organic Frameworks Constructed by Amidinium-Carboxylate Salt Bridges. <i>Chemistry - A European Journal</i> , 2021, 27, 15006-15012.	3.3	18
10	Urea-functionalized SBA-15 hybrids: Post-grafting synthesis, high-performance organophosphorus sensing and their response mechanism. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1162-1169.	7.8	16
11	Air-Stable <i>N,N'</i> -Dihydrophthalazine: A Quinoxaline-Fused Tetrapyrrolic Macrocyclic That Detects Fluoride Anion via Deprotonation. <i>Organic Letters</i> , 2019, 21, 1849-1852.	4.6	15
12	3,6-Carbazoylene Octaphyrin (1.0.0.0.1.0.0.0) and Its Bis-BF ₂ Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 8194-8203.	13.7	13
13	A two-dimensional porous framework: solvent-induced structural transformation and selective adsorption towards malachite green. <i>Dalton Transactions</i> , 2017, 46, 8350-8353.	3.3	12
14	1,4-Phenylene-Incorporated Decaphyrin(1.0.1.0.0.1.0.1.0.0): Synthesis, Structure, and Topological Chirality. <i>Organic Letters</i> , 2022, 24, 2509-2514.	4.6	12
15	Carbazolo[2,1-a]carbazole Diimide: A Building Block for Organic Electronic Materials. <i>ChemPlusChem</i> , 2015, 80, 57-61.	2.8	10
16	Fluorinated dithienyl-diketopyrrolopyrrole: a new building block for organic optoelectronic materials. <i>New Journal of Chemistry</i> , 2019, 43, 16411-16420.	2.8	8
17	Carbazole-Containing Carbaporphyrins: Nonaromatic Expanded Porphyrins that Undergo Proton-Triggered Conformational Changes. <i>Chemistry - A European Journal</i> , 2021, 27, 16173-16180.	3.3	8
18	Excitonically Coupled Cyclic BF ₂ Arrays of Calix[8]- and Calix[16]pyrin as Near-IR Chromophores. <i>Angewandte Chemie</i> , 2020, 132, 13163-13170.	2.0	7

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19	Dipyrrolynaphthyridine-based Schiff-base cryptands and their selective gas adsorption properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 424-431.	0.8	6
20	Asymmetric and symmetric occupation of active sites in porous copper(II) metal-organic frameworks with their gas absorption. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 1-6.	4.4	4
21	n-Channel Organic Transistors Processed from Halogen-Free Solvents: Solvent Effect on Thin-Film Morphology and Charge Transport. <i>Chinese Journal of Chemistry</i> , 2016, 34, 689-695.	4.9	4
22	A poly(pyridine-pyrrole) foldamer that binds isolated water molecules. <i>CrystEngComm</i> , 2019, 21, 3906-3909.	2.6	2