

C Michael Mcguirk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5946388/publications.pdf>

Version: 2024-02-01

21
papers

1,802
citations

516215

16
h-index

676716

22
g-index

24
all docs

24
docs citations

24
times ranked

3066
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Framework Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1800202.	11.1	539
2	General and Direct Method for Preparing Oligonucleotide-Functionalized Metal-Organic Framework Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017, 139, 9827-9830.	6.6	245
3	Turning On Catalysis: Incorporation of a Hydrogen-Bond-Donating Squaramide Moiety into a Zr Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2015, 137, 919-925.	6.6	186
4	Allosteric Supramolecular Coordination Constructs. <i>Journal of the American Chemical Society</i> , 2015, 137, 7252-7261.	6.6	150
5	Surface-Specific Functionalization of Nanoscale Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14738-14742.	7.2	146
6	Ag ₂ S Hybrid Nanoprisms: Structural versus Plasmonic Evolution. <i>ACS Nano</i> , 2016, 10, 5362-5373.	7.3	64
7	Small Molecule Regulation of Self-Association and Catalytic Activity in a Supramolecular Coordination Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 4689-4696.	6.6	62
8	Influence of Metal Substitution on the Pressure-Induced Phase Change in Flexible Zeolitic Imidazolate Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 15924-15933.	6.6	62
9	Cooperative Carbon Dioxide Adsorption in Alcoholamine- and Alkoxyalkylamine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19468-19477.	7.2	58
10	An allosteric photoredox catalyst inspired by photosynthetic machinery. <i>Nature Communications</i> , 2015, 6, 6541.	5.8	54
11	Allosteric Regulation of Supramolecular Oligomerization and Catalytic Activity via Coordination-Based Control of Competitive Hydrogen-Bonding Events. <i>Journal of the American Chemical Society</i> , 2014, 136, 16594-16601.	6.6	46
12	General Strategy for the Synthesis of Rigid Weak-Link Approach Platinum(II) Complexes: Tweezers, Triple-Layer Complexes, and Macrocycles. <i>Inorganic Chemistry</i> , 2013, 52, 5876-5888.	1.9	30
13	Cooperative adsorption of carbon disulfide in diamine-appended metal-organic frameworks. <i>Nature Communications</i> , 2018, 9, 5133.	5.8	28
14	A Porous Chalcogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 20207-20215.	6.6	27
15	Structural resolution and mechanistic insight into hydrogen adsorption in flexible ZIF-7. <i>Chemical Science</i> , 2021, 12, 15620-15631.	3.7	18
16	A concerted two-prong approach to the <i>in situ</i> allosteric regulation of bifunctional catalysis. <i>Chemical Science</i> , 2016, 7, 6674-6683.	3.7	15
17	An Allosterically Regulated, Four-State Macrocycle. <i>Inorganic Chemistry</i> , 2018, 57, 3568-3578.	1.9	14
18	Cooperative Electronic and Structural Regulation in a Bioinspired Allosteric Photoredox Catalyst. <i>Inorganic Chemistry</i> , 2016, 55, 8301-8308.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Mining Plastic: Harvesting Stored Energy in a Re-use Revolution. <i>One Earth</i> , 2019, 1, 392-394.	3.6	7
20	Best Practices in the Characterization of MOF@MSN Composites. <i>Inorganic Chemistry</i> , 2022, 61, 4219-4234.	1.9	7
21	Cooperative Carbon Dioxide Adsorption in Alcoholamine- and Alkoxyalkylamine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020, 132, 19636-19645.	1.6	5