

Marta Mon

List of Publications by Year in descending order

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36
papers

2,213
citations

304743

22
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37
g-index

39
all docs

39
docs citations

39
times ranked

2943
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic framework technologies for water remediation: towards a sustainable ecosystem. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4912-4947.	10.3	369
2	The MOF-driven synthesis of supported palladium clusters with catalytic activity for carbene-mediated chemistry. <i>Nature Materials</i> , 2017, 16, 760-766.	27.5	230
3	Selective Gold Recovery and Catalysis in a Highly Flexible Methionine-Decorated Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 7864-7867.	13.7	196
4	Selective and Efficient Removal of Mercury from Aqueous Media with the Highly Flexible Arms of a BioMOF. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11167-11172.	13.8	158
5	Multivariate Metal-Organic Frameworks for the Simultaneous Capture of Organic and Inorganic Contaminants from Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 13601-13609.	13.7	120
6	Synthesis of Densely Packaged, Ultrasmall Pt ⁰ Clusters within a Thioether-Functionalized MOF: Catalytic Activity in Industrial Reactions at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6186-6191.	13.8	115
7	Postsynthetic Approach for the Rational Design of Chiral Ferroelectric Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 8098-8101.	13.7	81
8	Metal-Organic Frameworks as Chemical Nanoreactors: Synthesis and Stabilization of Catalytically Active Metal Species in Confined Spaces. <i>Accounts of Chemical Research</i> , 2020, 53, 520-531.	15.6	81
9	Isolated Fe(III)-O Sites Catalyze the Hydrogenation of Acetylene in Ethylene Flows under Front-End Industrial Conditions. <i>Journal of the American Chemical Society</i> , 2018, 140, 8827-8832.	13.7	74
10	Soluble/MOF-Supported Palladium Single Atoms Catalyze the Ligand-, Additive-, and Solvent-Free Aerobic Oxidation of Benzyl Alcohols to Benzoic Acids. <i>Journal of the American Chemical Society</i> , 2021, 143, 2581-2592.	13.7	74
11	Crystallographic snapshots of host-guest interactions in drugs@metal-organic frameworks: towards mimicking molecular recognition processes. <i>Materials Horizons</i> , 2018, 5, 683-690.	12.2	64
12	Solid-State Molecular Nanomagnet Inclusion into a Magnetic Metal-Organic Framework: Interplay of the Magnetic Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 539-545.	3.3	61
13	Fine-tuning of the confined space in microporous metal-organic frameworks for efficient mercury removal. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20120-20125.	10.3	56
14	Confined Pt ₁ ⁺ Water Clusters in a MOF Catalyze the Low-Temperature Water-Gas Shift Reaction with both CO ₂ Oxygen Atoms Coming from Water. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17094-17099.	13.8	54
15	Self-Assembly of Catalytically Active Supramolecular Coordination Compounds within Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10350-10360.	13.7	50
16	Bioinspired Metal-Organic Frameworks in Mixed Matrix Membranes for Efficient Static/Dynamic Removal of Mercury from Water. <i>Advanced Functional Materials</i> , 2021, 31, 2008499.	14.9	43
17	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018, 24, 17712-17718.	3.3	41
18	Selective and Efficient Removal of Mercury from Aqueous Media with the Highly Flexible Arms of a BioMOF. <i>Angewandte Chemie</i> , 2016, 128, 11333-11338.	2.0	40

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19	Tuning the selectivity of light hydrocarbons in natural gas in a family of isorecticular MOFs. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11032-11039.	10.3	36
20	Hydrolase-like catalysis and structural resolution of natural products by a metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3080.	12.8	33
21	Stabilized Ru[(H ₂ O) ₆] ³⁺ in Confined Spaces (MOFs and Zeolites) Catalyzes the Imination of Primary Alcohols under Atmospheric Conditions with Wide Scope. <i>ACS Catalysis</i> , 2018, 8, 10401-10406.	11.2	31
22	Lanthanide Discrimination with Hydroxyl-Decorated Flexible Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2018, 57, 13895-13900.	4.0	24
23	Metal-Organic Frameworks as Playgrounds for Reticulate Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 14498-14506.	4.0	23
24	Synthesis of Densely Packaged, Ultrasmall Pt ⁰ ₂ Clusters within a Thioether-Functionalized MOF: Catalytic Activity in Industrial Reactions at Low Temperature. <i>Angewandte Chemie</i> , 2018, 130, 6294-6299.	2.0	22
25	A post-synthetic approach triggers selective and reversible sulphur dioxide adsorption on a metal-organic framework. <i>Chemical Communications</i> , 2018, 54, 9063-9066.	4.1	22
26	Structural Studies on a New Family of Chiral BioMOFs. <i>Crystal Growth and Design</i> , 2016, 16, 5571-5578.	3.0	21
27	Efficient Gas Separation and Transport Mechanism in Rare Hemilabile Metal-Organic Framework. <i>Chemistry of Materials</i> , 2019, 31, 5856-5866.	6.7	18
28	Double Interpenetration in a Chiral Three-Dimensional Magnet with a (10,3)-a Structure. <i>Inorganic Chemistry</i> , 2015, 54, 8890-8892.	4.0	15
29	A novel oxalate-based three-dimensional coordination polymer showing magnetic ordering and high proton conductivity. <i>Dalton Transactions</i> , 2017, 46, 15130-15137.	3.3	15
30	Bio-metal-organic frameworks for molecular recognition and sorbent extraction of hydrophilic vitamins followed by their determination using HPLC-UV. <i>Mikrochimica Acta</i> , 2020, 187, 201.	5.0	14
31	Solvent-Dependent Self-Assembly of an Oxalato-Based Three-Dimensional Magnet Exhibiting a Novel Architecture. <i>Inorganic Chemistry</i> , 2016, 55, 6845-6847.	4.0	13
32	Parts-per-million of ruthenium catalyze the selective chain-walking reaction of terminal alkenes. <i>Nature Communications</i> , 2022, 13, .	12.8	8
33	Confined Pt ₁ ¹⁺ Water Clusters in a MOF Catalyze the Low-Temperature Water-Gas Shift Reaction with both CO ₂ Oxygen Atoms Coming from Water. <i>Angewandte Chemie</i> , 2018, 130, 17340-17345.	2.0	4
34	A Biocompatible Aspartic-Decorated Metal-Organic Framework with Tubular Motif Degradable under Physiological Conditions. <i>Inorganic Chemistry</i> , 2021, 60, 14221-14229.	4.0	3
35	Efficient Capture of Organic Dyes and Crystallographic Snapshots by a Highly Crystalline Amino-Acid-Derived Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2018, 24, 17615-17615.	3.3	1
36	Zeolites catalyze selective reactions of large organic molecules. <i>Advances in Catalysis</i> , 2021, 69, 59-102.	0.2	0