

Mohamad Hmadeh

List of Publications by Year in descending order

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papers

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270111

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citing authors

#	ARTICLE	IF	CITATIONS
1	Surface thermodynamics and Lewis acid-base properties of metal-organic framework Crystals by Inverse gas chromatography at infinite dilution. <i>Journal of Chromatography A</i> , 2022, 1666, 462849.	1.8	10
2	Metallated Isoindigoâ€“Porphyrin Covalent Organic Framework Photocatalyst with a Narrow Band Gap for Efficient CO ₂ Conversion. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2015-2022.	4.0	31
3	Controlled growth and composition of multivariate metal-organic frameworks-199 via a reaction-diffusion process. <i>Nano Research</i> , 2021, 14, 423-431.	5.8	17
4	Metal-organic framework photocatalysts for carbon dioxide reduction. , 2021, , 389-420.		0
5	Efficient biofuel production by MTV-Uio-66 based catalysts. <i>Chemical Engineering Journal</i> , 2021, 410, 128237.	6.6	13
6	Structural engineering of Zr-based metal-organic framework catalysts for optimized biofuel additives production. <i>Chemical Engineering Journal</i> , 2020, 382, 122793.	6.6	27
7	Lanthanides based metal organic frameworks for luminescence sensing of toxic metal ions. <i>Journal of Solid State Chemistry</i> , 2020, 281, 121031.	1.4	24
8	Tuning the structural properties of cadmiumâ€“aluminum layered double hydroxide for enhanced photocatalytic dye degradation. <i>RSC Advances</i> , 2020, 10, 43066-43074.	1.7	11
9	Defect Control in Zr-Based Metalâ€“Organic Framework Nanoparticles for Arsenic Removal from Water. <i>ACS Applied Nano Materials</i> , 2020, 3, 8997-9008.	2.4	96
10	Two-Dimensional Metalâ€“Organic Framework Nanosheets as a Dual Ratiometric and Turn-off Luminescent Probe. <i>Inorganic Chemistry</i> , 2019, 58, 10912-10919.	1.9	34
11	Liesegang Banding for Controlled Size and Growth of Zeoliticâ€“imidazolate Frameworks. <i>Small</i> , 2019, 15, e1901605.	5.2	33
12	Metalâ€“Organic Framework Photocatalyst Incorporating Bis(4â€“(4-carboxyphenyl)-terpyridine)ruthenium(II) for Visible-Light-Driven Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 7115-7121.	6.6	125
13	Tuning acidity in zirconium-based metal organic frameworks catalysts for enhanced production of butyl butyrate. <i>Applied Catalysis A: General</i> , 2019, 570, 31-41.	2.2	36
14	Highly Efficient Ambient Temperature CO ₂ Photomethanation Catalyzed by Nanostructured RuO ₂ on Silicon Photonic Crystal Support. <i>Advanced Energy Materials</i> , 2018, 8, 1702277.	10.2	58
15	Crystal Growth of ZIF-8, ZIF-67, and Their Mixed-Metal Derivatives. <i>Journal of the American Chemical Society</i> , 2018, 140, 1812-1823.	6.6	496
16	A highly stable indium based metal organic framework for efficient arsenic removal from water. <i>Dalton Transactions</i> , 2018, 47, 799-806.	1.6	69
17	Enhancing porphyrin photostability when locked in metalâ€“organic frameworks. <i>Dalton Transactions</i> , 2018, 47, 15765-15771.	1.6	24
18	Metalâ€“Organic Framework-74 for Ultratrace Arsenic Removal from Water: Experimental and Density Functional Theory Studies. <i>ACS Applied Nano Materials</i> , 2018, 1, 3283-3292.	2.4	53

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19	Postmetalated Zirconium Metal Organic Frameworks as a Highly Potent Bactericide. Inorganic Chemistry, 2017, 56, 4739-4744.	1.9	43
20	Synthesis, size and structural evolution of metal-organic framework-199 via a reaction-diffusion process at room temperature. CrystEngComm, 2017, 19, 608-612.	1.3	33
21	Cadmium-Aluminum Layered Double Hydroxide Microspheres for Photocatalytic CO ₂ Reduction. ChemSusChem, 2016, 9, 800-805.	3.6	30
22	Photocatalytic Properties of All Four Polymorphs of Nanostructured Iron Oxyhydroxides. ChemNanoMat, 2016, 2, 1047-1054.	1.5	38
23	Visible and Near-Infrared Photothermal Catalyzed Hydrogenation of Gaseous CO ₂ over Nanostructured Pd@Nb ₂ O ₅ . Advanced Science, 2016, 3, 1600189.	5.6	133
24	Encapsulation of curcumin in cyclodextrin-metal organic frameworks: Dissociation of loaded CD-MOFs enhances stability of curcumin. Food Chemistry, 2016, 212, 485-494.	4.2	157
25	New Hydrogen-Evolution Heteronanostructured Photocatalysts: Pt ₃ Nb ₇ (OH) and Cu ₃ Nb ₇ (OH). ChemSusChem, 2014, 3, 2104-2109.	3.6	19
26	A Supramolecular Photosynthetic Model Made of a Multiporphyrinic Array Constructed around a C ₆₀ Core and a C ₆₀ -Imidazole Derivative. Chemistry - A European Journal, 2014, 20, 223-231.	1.7	50
27	New Porous Crystals of Extended Metal-Catecholates. Chemistry of Materials, 2012, 24, 3511-3513.	3.2	618
28	Large-Pore Apertures in a Series of Metal-Organic Frameworks. Science, 2012, 336, 1018-1023.	6.0	1,729
29	Metal-Organic Frameworks Incorporating Copper-Complexed Rotaxanes. Angewandte Chemie - International Edition, 2012, 51, 2160-2163.	7.2	105
30	Electrostatic Barriers in Rotaxanes and Pseudorotaxanes. Chemistry - A European Journal, 2011, 17, 6076-6087.	1.7	68
31	On the thermodynamic and kinetic investigations of a [c ₂]daisy chain polymer. Journal of Materials Chemistry, 2010, 20, 3422.	6.7	59
32	Acid-Base Actuation of [c ₂]Daisy Chains. Journal of the American Chemical Society, 2009, 131, 7126-7134.	6.6	195
33	Redox-driven switching in pseudorotaxanes. New Journal of Chemistry, 2009, 33, 254.	1.4	49
34	Synthesis, characterization and photophysical properties of benzidine-based compounds. Tetrahedron, 2008, 64, 6522-6529.	1.0	19
35	Control of Particle Size and Morphology of MOF-199 Crystals via a Reaction-Diffusion Framework. Defect and Diffusion Forum, 0, 380, 39-47.	0.4	6