

Sabina Rodriguez-Hermida

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spray Drying for Making Covalent Chemistry: Postsynthetic Modification of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 897-903.	13.7	104
2	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2423-2427.	13.8	102
3	Switchable Surface Hydrophobicity-Hydrophilicity of a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16049-16053.	13.8	76
4	Influence of the Amide Groups in the CO ₂ /N ₂ Selectivity of a Series of Isorecticular, Interpenetrated Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2016, 16, 6016-6023.	3.0	73
5	Vapour-phase deposition of oriented copper dicarboxylate metal-organic framework thin films. <i>Chemical Communications</i> , 2019, 55, 10056-10059.	4.1	64
6	Ligand-Driven Coordination Sphere-Induced Engineering of Hybrid Materials Constructed from PbCl ₂ and Bis-Pyridyl Organic Linkers for Single-Component Light-Emitting Phosphors. <i>Inorganic Chemistry</i> , 2017, 56, 9698-9709.	4.0	56
7	Integrated Cleanroom Process for the Vapor-Phase Deposition of Large-Area Zeolitic Imidazolate Framework Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 9462-9471.	6.7	52
8	Two New Adenine-Based Co(II) Coordination Polymers: Synthesis, Crystal Structure, Coordination Modes, and Reversible Hydrochromic Behavior. <i>Crystal Growth and Design</i> , 2015, 15, 3182-3189.	3.0	42
9	Porosimetry for Thin Films of Metal-Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorption-Based Methods. <i>Advanced Materials</i> , 2021, 33, e2006993.	21.0	40
10	Carborane Bis-pyridylalcohols as Linkers for Coordination Polymers: Synthesis, Crystal Structures, and Guest-Framework Dependent Mechanical Properties. <i>Crystal Growth and Design</i> , 2017, 17, 846-857.	3.0	36
11	Solid-phase microextraction coatings based on the metal-organic framework ZIF-8: Ensuring stable and reusable fibers. <i>Talanta</i> , 2020, 215, 120910.	5.5	36
12	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. <i>Angewandte Chemie</i> , 2018, 131, 2445.	2.0	24
13	Tricarbonyl Rhenium(I) and Technetium(I) Complexes with Hydrazones Derived from 4,5-Diazafluorene and 1,10-Phenanthroline-5,6-dione. <i>European Journal of Inorganic Chemistry</i> , 2010, 4622-4630.	10	22
14	Control over the preparation of two pH-dependent Cu(II) supramolecular isomers based on 1,3,5-benzenetricarboxylic acid and the bis(4-pyridylthio)methane ligand. <i>CrystEngComm</i> , 2013, 15, 1563.	2.6	20
15	Homo- and Heteronuclear Compounds with a Symmetrical Bis-hydrazone Ligand: Synthesis, Structural Studies, and Luminescent Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 6605-6616.	3.3	20
16	A First Cyclodextrin-Transition Metal Coordination Polymer. <i>Crystal Growth and Design</i> , 2016, 16, 5598-5602.	3.0	20
17	Templated Solvent-Free Powder Synthesis and MOF-CVD Films of the Ultramicroporous Metal-Organic Framework Mg-Magnesium Formate. <i>Chemistry of Materials</i> , 2020, 32, 10469-10475.	6.7	16
18	Solid-State Coordinative Behavior of a New Asymmetrical Bis-hydrazone Ligand Containing Two Different Binding Pockets. <i>Crystal Growth and Design</i> , 2013, 13, 1193-1205.	3.0	15

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19	Single-crystal and humidity-controlled powder diffraction study of the breathing effect in a metal-organic framework upon water adsorption/desorption. <i>Chemical Communications</i> , 2016, 52, 7229-7232.	4.1	15
20	Reaction of a Bis(benzoylhydrazone) with Copper(II): Complex Formation, Hydroxylation, and DNA Cleavage Activity. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5843-5853.	2.0	14
21	Copper(II) Acetate/Bis(4-pyridylthio)methane System: Synthesis, Structural Diversity, and Single-Crystal to Single-Crystal Transformation. <i>Crystal Growth and Design</i> , 2014, 14, 3096-3109.	3.0	13
22	A Hexameric Cationic Copper(II) Metallacrown as a Pertechnetate and Perrhenate Scavenger. <i>Chemistry - A European Journal</i> , 2016, 22, 1847-1853.	3.3	10
23	Parts-per-Million Detection of Volatile Organic Compounds via Surface Plasmon Polaritons and Nanometer-Thick Metal-Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2022, 5, 5006-5016.	5.0	9
24	Influence of Precursor Density and Conversion Time on the Orientation of Vapor-Deposited ZIF-8. <i>Crystals</i> , 2022, 12, 217.	2.2	8
25	Boosting Self-Assembly Diversity in the Solid State by Chiral/Non-Chiral Zn(II)-Porphyrin Crystallization. <i>Chemistry - A European Journal</i> , 2018, 24, 12950-12960.	3.3	7
26	Supramolecular networks through second-sphere coordination based on 1D metal-4,4'-dipyridyldisulfide coordination polymers and hydrogenfumarate or sulfonate anions. <i>Polyhedron</i> , 2012, 31, 118-127.	2.2	6
27	Coordination polymers with chelidonate (4-oxo-4H-pyran-2,6-dicarboxylate) anions and dmsol: [Zn(chel)(dmsol) ₂] and linkage isomers of [Co(chel)(dmsol)(OH ₂) ₃]·H ₂ O. <i>Journal of Molecular Structure</i> , 2011, 1003, 121-128.	3.6	4
28	Leucine zipper motif inspiration: a two-dimensional leucine Velcro-like array in peptide coordination polymers generates hydrophobicity. <i>Dalton Transactions</i> , 2017, 46, 11166-11170.	3.3	4
29	Porosimetry: Porosimetry for Thin Films of Metal-Organic Frameworks: A Comparison of Positron Annihilation Lifetime Spectroscopy and Adsorption-Based Methods (<i>Adv. Mater.</i> 17/2021). <i>Advanced Materials</i> , 2021, 33, 2170133.	21.0	3