

Arnau Carnà-Sánchez

List of Publications by Year in descending order

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45
papers

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172386

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docs citations

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times ranked

6162
citing authors

#	ARTICLE	IF	CITATIONS
1	Click Chemistry: Synthesis by Programmed Disassembly of Reticular Materials**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
2	Surface chemistry of metal-organic polyhedra. <i>Chemical Communications</i> , 2022, 58, 2443-2454.	2.2	20
3	Metal-Organic Polyhedra as Building Blocks for Porous Extended Networks. <i>Advanced Science</i> , 2022, 9, e2104753.	5.6	29
4	pH-Triggered Removal of Nitrogenous Organic Micropollutants from Water by Using Metal-Organic Polyhedra. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
5	Titelbild: Click Chemistry: Synthesis by Programmed Disassembly of Reticular Materials (Angew.) Tj ETQq1 1 0.784314 rgBT /Overlo 1.6	1.6	0
6	Influence of the Surface Chemistry of Metal-Organic Polyhedra in Their Assembly into Ultrathin Films for Gas Separation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 27495-27506.	4.0	6
7	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5729-5733.	7.2	45
8	Synthesis of Polycarboxylate Rhodium(II) Metal-Organic Polyhedra (MOPs) and their use as Building Blocks for Highly Connected Metal-Organic Frameworks (MOFs). <i>Angewandte Chemie</i> , 2021, 133, 5793-5797.	1.6	3
9	Spatiotemporal Control of Supramolecular Polymerization and Gelation of Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 3562-3570.	6.6	39
10	Steric Hindrance in Metal Coordination Drives the Separation of Pyridine Regioisomers Using Rhodium(II)-Based Metal-Organic Polyhedra. <i>Angewandte Chemie</i> , 2021, 133, 11507-11514.	1.6	5
11	Steric Hindrance in Metal Coordination Drives the Separation of Pyridine Regioisomers Using Rhodium(II)-Based Metal-Organic Polyhedra. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11406-11413.	7.2	16
12	Ultrathin Films of Porous Metal-Organic Polyhedra for Gas Separation. <i>Chemistry - A European Journal</i> , 2020, 26, 143-147.	1.7	23
13	Porous materials as carriers of gasotransmitters towards gas biology and therapeutic applications. <i>Chemical Communications</i> , 2020, 56, 9750-9766.	2.2	20
14	Spray-Drying Synthesis of MOFs, COFs, and Related Composites. <i>Accounts of Chemical Research</i> , 2020, 53, 1206-1217.	7.6	87
15	Dynamic porous coordination polymers built-up from flexible 4,4'-dithiodibenzoate and rigid N-based ligands. <i>Dalton Transactions</i> , 2020, 49, 13142-13151.	1.6	4
16	Phase Transfer of Rhodium(II)-Based Metal-Organic Polyhedra Bearing Coordinatively Bound Cargo Enables Molecular Separation. <i>Journal of the American Chemical Society</i> , 2019, 141, 18349-18355.	6.6	47
17	Postsynthetic Covalent and Coordination Functionalization of Rhodium(II)-Based Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2019, 141, 4094-4102.	6.6	104
18	A Coordinative Solubilizer Method to Fabricate Soft Porous Materials from Insoluble Metal-Organic Polyhedra. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6347-6350.	7.2	62

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19	A Coordinative Solubilizer Method to Fabricate Soft Porous Materials from Insoluble Metal-Organic Polyhedra. <i>Angewandte Chemie</i> , 2019, 131, 6413-6416.	1.6	17
20	Programmable Self-Assembling 3D Architectures Generated by Patterning of Swellable MOF-Based Composite Films. <i>Advanced Materials</i> , 2019, 31, e1808235.	11.1	100
21	Protection strategies for directionally-controlled synthesis of previously inaccessible metal-organic polyhedra (MOPs): the cases of carboxylate- and amino-functionalised Rh(<i>scp</i>)-MOPs. <i>Chemical Communications</i> , 2019, 55, 12785-12788.	2.2	35
22	Colloidal metal-organic framework particles: the pioneering case of ZIF-8. <i>Chemical Society Reviews</i> , 2019, 48, 5534-5546.	18.7	228
23	Photothermal Activation of Metal-Organic Frameworks Using a UV-Vis Light Source. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9555-9562.	4.0	82
24	Self-assembly of polyhedral metal-organic framework particles into three-dimensional ordered superstructures. <i>Nature Chemistry</i> , 2018, 10, 78-84.	6.6	298
25	A Self-Folding Polymer Film Based on Swelling Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15420-15424.	7.2	71
26	Fighting at the Interface: Structural Evolution during Heteroepitaxial Growth of Cyanometallate Coordination Polymers. <i>Inorganic Chemistry</i> , 2018, 57, 8701-8704.	1.9	14
27	Self-assembly of metal-organic polyhedra into supramolecular polymers with intrinsic microporosity. <i>Nature Communications</i> , 2018, 9, 2506.	5.8	152
28	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. <i>Chemical Science</i> , 2017, 8, 3538-3546.	3.7	329
29	Metal-Organic Cuboctahedra for Synthetic Ion Channels with Multiple Conductance States. <i>Chem</i> , 2017, 2, 393-403.	5.8	89
30	Light responsive metal-organic frameworks as controllable CO-releasing cell culture substrates. <i>Chemical Science</i> , 2017, 8, 2381-2386.	3.7	96
31	pH-Responsive Relaxometric Behaviour of Coordination Polymer Nanoparticles Made of a Stable Macrocyclic Gadolinium Chelate. <i>Chemistry - A European Journal</i> , 2016, 22, 13162-13170.	1.7	8
32	A spray-drying continuous-flow method for simultaneous synthesis and shaping of microspherical high nuclearity MOF beads. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 533-539.	1.9	79
33	Rhodium-Organic Cuboctahedra as Porous Solids with Strong Binding Sites. <i>Inorganic Chemistry</i> , 2016, 55, 10843-10846.	1.9	97
34	Metal-Organic Frameworks: Lanthanide-Organic Framework Nanothermometers Prepared by Spray-Drying (<i>Adv. Funct. Mater.</i> 19/2015). <i>Advanced Functional Materials</i> , 2015, 25, 2939-2939.	7.8	0
35	Post-Synthetic Anisotropic Wet-Chemical Etching of Colloidal Sodalite ZIF Crystals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14417-14421.	7.2	262
36	Protecting Metal-Organic Framework Crystals from Hydrolytic Degradation by Spray-Dry Encapsulating Them into Polystyrene Microspheres. <i>Advanced Materials</i> , 2015, 27, 869-873.	11.1	90

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37	Lanthanide-Organic Framework Nanothermometers Prepared by Spray-Drying. <i>Advanced Functional Materials</i> , 2015, 25, 2824-2830.	7.8	252
38	Optimised room temperature, water-based synthesis of CPO-27-M metal-organic frameworks with high space-time yields. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20819-20826.	5.2	74
39	Synthesis, Culture Medium Stability, and In Vitro and In Vivo Zebrafish Embryo Toxicity of Metal-Organic Framework Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 2508-2518.	1.7	208
40	Metal-Organic Frameworks: From Molecules/Metal Ions to Crystals to Superstructures. <i>Chemistry - A European Journal</i> , 2014, 20, 5192-5201.	1.7	61
41	Relaxometry Studies of a Highly Stable Nanoscale Metal-Organic Framework Made of Cu(II), Gd(III), and the Macrocyclic DOTP. <i>Journal of the American Chemical Society</i> , 2013, 135, 17711-17714.	6.6	69
42	A spray-drying strategy for synthesis of nanoscale metal-organic frameworks and their assembly into hollow superstructures. <i>Nature Chemistry</i> , 2013, 5, 203-211.	6.6	556
43	The selective recycling of mixed plastic waste of polylactic acid and polyethylene terephthalate by control of process conditions. <i>European Polymer Journal</i> , 2011, 47, 1970-1976.	2.6	120
44	Nanoscale metal-organic materials. <i>Chemical Society Reviews</i> , 2011, 40, 291-305.	18.7	480
45	Click Chemistry: Synthesis by Programmed Disassembly of Reticular Materials. <i>Angewandte Chemie</i> , 2011, 123, 1111-1116.	1.6	0