

Patricia Horcajada

List of Publications by Year in descending order

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papers

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citations

9775

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docs citations

173
times ranked

20949
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous metal-organic-framework nanoscale carriers as a potential platform for drug delivery and imaging. <i>Nature Materials</i> , 2010, 9, 172-178.	13.3	3,629
2	Metal-Organic Frameworks in Biomedicine. <i>Chemical Reviews</i> , 2012, 112, 1232-1268.	23.0	3,593
3	Metal-Organic Frameworks as Efficient Materials for Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5974-5978.	7.2	1,619
4	Flexible Porous Metal-Organic Frameworks for a Controlled Drug Delivery. <i>Journal of the American Chemical Society</i> , 2008, 130, 6774-6780.	6.6	1,564
5	Synthesis and catalytic properties of MIL-100(Fe), an iron(III) carboxylate with large pores. <i>Chemical Communications</i> , 2007, , 2820-2822.	2.2	1,218
6	BioMOFs: Metal-Organic Frameworks for Biological and Medical Applications. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6260-6266.	7.2	1,074
7	Metal-Organic Frameworks for the Removal of Emerging Organic Contaminants in Water. <i>Chemical Reviews</i> , 2020, 120, 8378-8415.	23.0	660
8	Controlled Reducibility of a Metal-Organic Framework with Coordinatively Unsaturated Sites for Preferential Gas Sorption. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5949-5952.	7.2	526
9	Influence of pore size of MCM-41 matrices on drug delivery rate. <i>Microporous and Mesoporous Materials</i> , 2004, 68, 105-109.	2.2	518
10	High-Throughput Assisted Rationalization of the Formation of Metal Organic Frameworks in the Iron(III) Aminoterephthalate Solvothermal System. <i>Inorganic Chemistry</i> , 2008, 47, 7568-7576.	1.9	480
11	Nanostructured metal-organic frameworks and their bio-related applications. <i>Coordination Chemistry Reviews</i> , 2016, 307, 342-360.	9.5	476
12	Functionalization in Flexible Porous Solids: Effects on the Pore Opening and the Host-Guest Interactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 1127-1136.	6.6	445
13	Rationale of Drug Encapsulation and Release from Biocompatible Porous Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2013, 25, 2767-2776.	3.2	412
14	Confinement and Controlled Release of Bisphosphonates on Ordered Mesoporous Silica-Based Materials. <i>Journal of the American Chemical Society</i> , 2006, 128, 8116-8117.	6.6	410
15	How Linker's Modification Controls Swelling Properties of Highly Flexible Iron(III) Dicarboxylates MIL-88. <i>Journal of the American Chemical Society</i> , 2011, 133, 17839-17847.	6.6	383
16	In depth analysis of the in vivo toxicity of nanoparticles of porous iron(III) metal-organic frameworks. <i>Chemical Science</i> , 2013, 4, 1597.	3.7	313
17	Large scale fluorine-free synthesis of hierarchically porous iron(III) trimesate MIL-100(Fe) with a zeolite MTN topology. <i>Microporous and Mesoporous Materials</i> , 2012, 157, 137-145.	2.2	305
18	Energy-Efficient Dehumidification over Hierachically Porous Metal-Organic Frameworks as Advanced Water Adsorbents. <i>Advanced Materials</i> , 2012, 24, 806-810.	11.1	298

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19	Cytotoxicity of nanoscaled metal-organic frameworks. <i>Journal of Materials Chemistry B</i> , 2014, 2, 262-271.	2.9	298
20	Complex Adsorption of Short Linear Alkanes in the Flexible Metal-Organic-Framework MIL-53(Fe). <i>Journal of the American Chemical Society</i> , 2009, 131, 13002-13008.	6.6	281
21	Biodegradable therapeutic MOFs for the delivery of bioactive molecules. <i>Chemical Communications</i> , 2010, 46, 4526.	2.2	267
22	Optimisation of the synthesis of MOF nanoparticles made of flexible porous iron fumarate MIL-88A. <i>Journal of Materials Chemistry</i> , 2011, 21, 2220-2227.	6.7	263
23	Colloidal Route for Preparing Optical Thin Films of Nanoporous Metal-Organic Frameworks. <i>Advanced Materials</i> , 2009, 21, 1931-1935.	11.1	257
24	Effect of NH ₂ and CF ₃ functionalization on the hydrogen sorption properties of MOFs. <i>Dalton Transactions</i> , 2011, 40, 4879.	1.6	257
25	Stable polyoxometalate insertion within the mesoporous metal organic framework MIL-100(Fe). <i>Journal of Materials Chemistry</i> , 2011, 21, 1226-1233.	6.7	251
26	Prediction of the Conditions for Breathing of Metal Organic Framework Materials Using a Combination of X-ray Powder Diffraction, Microcalorimetry, and Molecular Simulation. <i>Journal of the American Chemical Society</i> , 2008, 130, 12808-12814.	6.6	246
27	Nitric Oxide Adsorption and Delivery in Flexible MIL-88(Fe) Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2013, 25, 1592-1599.	3.2	243
28	Comparison of Porous Iron Trimesates Basolite F300 and MIL-100(Fe) As Heterogeneous Catalysts for Lewis Acid and Oxidation Reactions: Roles of Structural Defects and Stability. <i>ACS Catalysis</i> , 2012, 2, 2060-2065.	5.5	213
29	Structure and Dynamics of the Functionalized MOF Type UiO-66(Zr): NMR and Dielectric Relaxation Spectroscopies Coupled with DFT Calculations. <i>Chemistry of Materials</i> , 2012, 24, 2168-2177.	3.2	200
30	Iron(III) metal-organic frameworks as solid Lewis acids for the isomerization of α -pinene oxide. <i>Catalysis Science and Technology</i> , 2012, 2, 324-330.	2.1	197
31	Metal-organic frameworks: A novel platform for combined advanced therapies. <i>Coordination Chemistry Reviews</i> , 2019, 388, 202-226.	9.5	197
32	Infrared study of the influence of reducible iron(III) metal sites on the adsorption of CO, CO ₂ , propane, propene and propyne in the mesoporous metal-organic framework MIL-100. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11748.	1.3	192
33	Synthesis, Structure, Characterization, and Redox Properties of the Porous MIL-68(Fe) Solid. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3789-3794.	1.0	191
34	Heparin-Engineered Mesoporous Iron Metal-Organic Framework Nanoparticles: Toward Stealth Drug Nanocarriers. <i>Advanced Healthcare Materials</i> , 2015, 4, 1246-1257.	3.9	187
35	Explanation of the Adsorption of Polar Vapors in the Highly Flexible Metal Organic Framework MIL-53(Cr). <i>Journal of the American Chemical Society</i> , 2010, 132, 9488-9498.	6.6	185
36	Metal organic frameworks based on bioactive components. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2560-2573.	2.9	180

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37	Green Microwave Synthesis of MIL-100(Al, Cr, Fe) Nanoparticles for Thin Film Elaboration. European Journal of Inorganic Chemistry, 2012, 2012, 5165-5174.	1.0	176
38	Efficient biodiesel production using a lipase@ZIF-67 nanobioreactor. Chemical Engineering Journal, 2018, 334, 1233-1241.	6.6	175
39	Acid-functionalized UiO-66(Zr) MOFs and their evolution after intra-framework cross-linking: structural features and sorption properties. Journal of Materials Chemistry A, 2015, 3, 3294-3309.	5.2	174
40	Selective Removal of N-Heterocyclic Aromatic Contaminants from Fuels by Lewis Acidic Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2011, 50, 4210-4214.	7.2	159
41	In Situ Energy-Dispersive X-ray Diffraction for the Synthesis Optimization and Scale-up of the Porous Zirconium Terephthalate UiO-66. Inorganic Chemistry, 2014, 53, 2491-2500.	1.9	157
42	Adsorption properties in high optical quality nanoZIF-8 thin films with tunable thickness. Journal of Materials Chemistry, 2010, 20, 7676.	6.7	151
43	Nanoscaled Zinc Pyrazolate Metal-Organic Frameworks as Drug-Delivery Systems. Inorganic Chemistry, 2016, 55, 2650-2663.	1.9	147
44	Elaboration and properties of hierarchically structured optical thin films of MIL-101(Cr). Chemical Communications, 2009, , 7149.	2.2	146
45	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	18.7	144
46	A "green" strategy to construct non-covalent, stable and bioactive coatings on porous MOF nanoparticles. Scientific Reports, 2015, 5, 7925.	1.6	139
47	A rare example of a porous Ca-MOF for the controlled release of biologically active NO. Chemical Communications, 2013, 49, 7773.	2.2	138
48	N/S-Heterocyclic Contaminant Removal from Fuels by the Mesoporous Metal-Organic Framework MIL-100: The Role of the Metal Ion. Journal of the American Chemical Society, 2013, 135, 9849-9856.	6.6	138
49	A Zn azelate MOF: combining antibacterial effect. CrystEngComm, 2015, 17, 456-462.	1.3	134
50	Influence of superficial organic modification of MCM-41 matrices on drug delivery rate. Solid State Sciences, 2006, 8, 1243-1249.	1.5	130
51	Towards an Improved anti-HIV Activity of NRTI via Metal-Organic Frameworks Nanoparticles. Advanced Healthcare Materials, 2013, 2, 1630-1637.	3.9	130
52	Toward Understanding Drug Incorporation and Delivery from Biocompatible Metal-Organic Frameworks in View of Cutaneous Administration. ACS Omega, 2018, 3, 2994-3003.	1.6	128
53	Effect of the organic functionalization of flexible MOFs on the adsorption of CO ₂ . Journal of Materials Chemistry, 2012, 22, 10266.	6.7	125
54	Understanding the Colloidal Stability of the Mesoporous MIL-100(Fe) Nanoparticles in Physiological Media. Langmuir, 2014, 30, 5911-5920.	1.6	125

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55	Rationalization of the entrapping of bioactive molecules into a series of functionalized porous zirconium terephthalate MOFs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1101.	2.9	118
56	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15565-15569.	7.2	118
57	A Robust and Biocompatible Bismuth Ellagate MOF Synthesized Under Green Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 16795-16804.	6.6	115
58	Chitosan-coated mesoporous MIL-100(Fe) nanoparticles as improved bio-compatible oral nanocarriers. <i>Scientific Reports</i> , 2017, 7, 43099.	1.6	114
59	Reverse Shape Selectivity in the Liquid-Phase Adsorption of Xylene Isomers in Zirconium Terephthalate MOF UiO-66. <i>Langmuir</i> , 2012, 28, 5715-5723.	1.6	112
60	Evidence of Photoinduced Charge Separation in the Metal-Organic Framework MIL-125(Ti)-NH ₂ . <i>ChemPhysChem</i> , 2012, 13, 3651-3654.	1.0	103
61	Green scalable aerosol synthesis of porous metal-organic frameworks. <i>Chemical Communications</i> , 2013, 49, 3848.	2.2	103
62	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7078-7082.	7.2	103
63	A biocompatible porous Mg-gallate metal-organic framework as an antioxidant carrier. <i>Chemical Communications</i> , 2015, 51, 5848-5851.	2.2	98
64	In vitro biocompatibility of mesoporous metal (III; Fe, Al, Cr) trimesate MOF nanocarriers. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8279-8292.	2.9	96
65	Porous metal organic framework nanoparticles to address the challenges related to busulfan encapsulation. <i>Nanomedicine</i> , 2011, 6, 1683-1695.	1.7	95
66	Extended and functionalized porous iron(III) tri- or dicarboxylates with MIL-100/101 topologies. <i>Chemical Communications</i> , 2014, 50, 6872.	2.2	93
67	Bioactivity in ordered mesoporous materials. <i>Solid State Sciences</i> , 2004, 6, 1295-1300.	1.5	91
68	Controlled release of ibuprofen from dealuminated faujasites. <i>Solid State Sciences</i> , 2006, 8, 1459-1465.	1.5	91
69	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie</i> , 2017, 129, 15771-15775.	1.6	87
70	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2022, 34, .	11.1	82
71	A Complete Separation of Hexane Isomers by a Functionalized Flexible Metal Organic Framework. <i>Advanced Functional Materials</i> , 2014, 24, 7666-7673.	7.8	81
72	A quantitative structure activity relationship approach to probe the influence of the functionalization on the drug encapsulation of porous metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2012, 157, 124-130.	2.2	76

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73	Synthesis of the biocompatible and highly stable MIL-127(Fe): from large scale synthesis to particle size control. <i>CrystEngComm</i> , 2016, 18, 4094-4101.	1.3	74
74	Metal-Organic Frameworks as Efficient Oral Detoxifying Agents. <i>Journal of the American Chemical Society</i> , 2018, 140, 9581-9586.	6.6	74
75	Maghemite-nanoMIL-100(Fe) Bimodal Nanovector as a Platform for Image-Guided Therapy. <i>CheM</i> , 2017, 3, 303-322.	5.8	72
76	Nanometric MIL-125-NH ₂ Metal-Organic Framework as a Potential Nerve Agent Antidote Carrier. <i>Nanomaterials</i> , 2017, 7, 321.	1.9	71
77	Caffeine Confinement into a Series of Functionalized Porous Zirconium MOFs: A Joint Experimental/Modeling Exploration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11694-11704.	1.5	70
78	Impact of phosphorylation on the encapsulation of nucleoside analogues within porous iron(III) metal-organic framework MIL-100(Fe) nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4231.	2.9	69
79	GraftFast Surface Engineering to Improve MOF Nanoparticles Furtiveness. <i>Small</i> , 2018, 14, e1801900.	5.2	69
80	Nickel phosphonate MOF as efficient water splitting photocatalyst. <i>Nano Research</i> , 2021, 14, 450-457.	5.8	68
81	Porous, rigid metal(III)-carboxylate metal-organic frameworks for the delivery of nitric oxide. <i>APL Materials</i> , 2014, 2, .	2.2	66
82	Impact of the Flexible Character of MIL-88 Iron(III) Dicarboxylates on the Adsorption of <i>n</i> -Alkanes. <i>Chemistry of Materials</i> , 2013, 25, 479-488.	3.2	65
83	Direct accessibility of mixed-metal (iii/ii) acid sites through the rational synthesis of porous metal carboxylates. <i>Chemical Communications</i> , 2015, 51, 10194-10197.	2.2	63
84	In vivo behavior of MIL-100 nanoparticles at early times after intravenous administration. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1042-1047.	2.6	63
85	Impact of the Metal Centre and Functionalization on the Mechanical Behaviour of MIL-53 Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4424-4429.	1.0	60
86	Covalent and Selective Grafting of Polyethylene Glycol Brushes at the Surface of ZIF-8 for the Processing of Membranes for Pervaporation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6629-6639.	3.2	60
87	Influence of functionalization of terephthalate linker on the catalytic activity of UiO-66 for epoxide ring opening. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 332-339.	4.8	58
88	Toward Understanding the Influence of Ethylbenzene in <i>p</i> -Xylene Selectivity of the Porous Titanium Amino Terephthalate MIL-125(Ti): Adsorption Equilibrium and Separation of Xylene Isomers. <i>Langmuir</i> , 2012, 28, 3494-3502.	1.6	54
89	Exploration of the mechanical behavior of metal organic frameworks UiO-66(Zr) and MIL-125(Ti) and their NH ₂ functionalized versions. <i>Dalton Transactions</i> , 2016, 45, 4283-4288.	1.6	53
90	Metal-Organic Frameworks in Agriculture. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16983-17007.	4.0	53

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91	Influence of the Organic Ligand Functionalization on the Breathing of the Porous Iron Terephthalate Metal Organic Framework Type Material upon Hydrocarbon Adsorption. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18683-18695.	1.5	50
92	How Interpenetration Ensures Rigidity and Permanent Porosity in a Highly Flexible Hybrid Solid. <i>Chemistry of Materials</i> , 2012, 24, 2486-2492.	3.2	50
93	Iron-Based Metal-Organic Frameworks (MOF) as Photocatalysts for Radical and Cationic Polymerizations under Near UV and Visible LEDs (385-405 nm). <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2534-2540.	1.1	50
94	A biocompatible calcium bisphosphonate coordination polymer: towards a metal-linker synergistic therapeutic effect?. <i>CrystEngComm</i> , 2013, 15, 9899.	1.3	49
95	Biocompatible iron(III) carboxylate metal-organic frameworks as promising RNA nanocarriers. <i>Nanoscale</i> , 2020, 12, 4839-4845.	2.8	47
96	A robust monolithic metal-organic framework with hierarchical porosity. <i>Chemical Communications</i> , 2018, 54, 13088-13091.	2.2	46
97	Effect of ethylbenzene in p-xylene selectivity of the porous titanium amino terephthalate MIL-125(Ti)-NH ₂ . <i>Microporous and Mesoporous Materials</i> , 2012, 158, 229-234.	2.2	44
98	Modulation of metal-azolate frameworks for the tunable release of encapsulated glycosaminoglycans. <i>Chemical Science</i> , 2020, 11, 10835-10843.	3.7	44
99	Single and multicomponent adsorption of hexane isomers in the microporous ZIF-8. <i>Microporous and Mesoporous Materials</i> , 2014, 194, 146-156.	2.2	43
100	Impact of the Nature of the Organic Spacer on the Crystallization Kinetics of UiO-66(Zr)-Type MOFs. <i>Chemistry - A European Journal</i> , 2015, 21, 7135-7143.	1.7	40
101	An Ag-loaded photoactive nano-metal organic framework as a promising biofilm treatment. <i>Acta Biomaterialia</i> , 2019, 97, 490-500.	4.1	40
102	Quantification of fumaric acid in liver, spleen and urine by high-performance liquid chromatography coupled to photodiode-array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 758-762.	1.4	39
103	Green™ fluorine-free mesoporous iron(III) trimesate nanoparticles for drug delivery. <i>Green Materials</i> , 2013, 1, 209-217.	1.1	37
104	Novel Antibacterial Azelaic Acid BioMOFs. <i>Crystal Growth and Design</i> , 2020, 20, 370-382.	1.4	37
105	Immobilization of Co-containing polyoxometalates in MIL-101(Cr): structural integrity versus chemical transformation. <i>Dalton Transactions</i> , 2014, 43, 12698-12705.	1.6	36
106	Biocompatible porous metal-organic framework nanoparticles based on Fe or Zr for gentamicin vectorization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 132, 11-18.	2.0	36
107	Small chemical causes drastic structural effects: the case of calcium glutarate. <i>CrystEngComm</i> , 2011, 13, 1894-1898.	1.3	35
108	A Novel Porous Ti-Squarate as Efficient Photocatalyst in the Overall Water Splitting Reaction under Simulated Sunlight Irradiation. <i>Advanced Materials</i> , 2021, 33, e2106627.	11.1	35

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109	Hydrocarbon adsorption in the isostructural metal organic frameworks MIL-53(Cr) and MIL-47(V). <i>Microporous and Mesoporous Materials</i> , 2011, 140, 114-119.	2.2	34
110	Biocompatible polymer-metal organic framework composite patches for cutaneous administration of cosmetic molecules. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7031-7040.	2.9	34
111	Antineoplastic busulfan encapsulated in a metal organic framework nanocarrier: first in vivo results. <i>Journal of Materials Chemistry B</i> , 2016, 4, 585-588.	2.9	34
112	Ti-Based nanoMOF as an Efficient Oral Therapeutic Agent. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22188-22193.	4.0	32
113	Crystal structure dependent in vitro antioxidant activity of biocompatible calcium gallate MOFs. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2813-2822.	2.9	31
114	A highly conductive nanostructured PEDOT polymer confined into the mesoporous MIL-100(Fe). <i>Dalton Transactions</i> , 2019, 48, 9807-9817.	1.6	30
115	Hexane isomers sorption on a functionalized metal organic framework. <i>Microporous and Mesoporous Materials</i> , 2013, 170, 251-258.	2.2	29
116	Towards improved HIV-microbicide activity through the co-encapsulation of NRTI drugs in biocompatible metal organic framework nanocarriers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8563-8569.	2.9	29
117	Bimetal zeolitic imidazolate framework (ZIF-9) derived nitrogen-doped porous carbon as efficient oxygen electrocatalysts for rechargeable Zn-air batteries. <i>Journal of Power Sources</i> , 2019, 427, 299-308.	4.0	29
118	Ligand Dynamics of Drug-Loaded Microporous Zirconium Terephthalates-Based Metal Organic Frameworks: Impact of the Nature and Concentration of the Guest. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1983-1989.	1.5	26
119	In deep evaluation of the neurotoxicity of orally administered TiO ₂ nanoparticles. <i>Brain Research Bulletin</i> , 2020, 155, 119-128.	1.4	25
120	Phase-Selective Microwave Assisted Synthesis of Iron(III) Aminoterephthalate MOFs. <i>Materials</i> , 2020, 13, 1469.	1.3	22
121	Improving the genistein oral bioavailability via its formulation into the metal organic framework MIL-100(Fe). <i>Journal of Materials Chemistry B</i> , 2021, 9, 2233-2239.	2.9	22
122	Functionalization of Zr-based MOFs with alkyl and perfluoroalkyl groups: the effect on the water sorption behavior. <i>Dalton Transactions</i> , 2015, 44, 19687-19692.	1.6	20
123	A new proton-conducting Bi-carboxylate framework. <i>Dalton Transactions</i> , 2019, 48, 11181-11185.	1.6	20
124	Metal Organic Framework Microsphere Formulation for Pulmonary Administration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25676-25682.	4.0	20
125	Drug Release and In Vitro Assays of Bioactive Polymer/Glass Mixtures. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 1195-1198.	1.1	19
126	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). <i>Dalton Transactions</i> , 2016, 45, 4401-4406.	1.6	19

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127	Ultrafast reproducible synthesis of a Ag-nanocluster@MOF composite and its superior visible-photocatalytic activity in batch and in continuous flow. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15704-15713.	5.2	19
128	A Promising Catalytic and Theranostic Agent Obtained through the In-situ Synthesis of Au Nanoparticles with a Reduced Polyoxometalate Incorporated within Mesoporous MIL-101. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4387-4394.	1.0	17
129	Effect of the ligand functionalization on the acid-base properties of flexible MOFs. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 197-204.	2.2	16
130	Cracking the immune fingerprint of metal-organic frameworks. <i>Chemical Science</i> , 2022, 13, 934-944.	3.7	16
131	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie</i> , 2019, 131, 7152-7156.	1.6	15
132	Combined Cutaneous Therapy Using Biocompatible Metal-Organic Frameworks. <i>Nanomaterials</i> , 2020, 10, 2296.	1.9	15
133	Separation of Hexane Isomers on Rigid Porous Metal Carboxylate-Based Metal-Organic Frameworks. <i>Adsorption Science and Technology</i> , 2014, 32, 475-488.	1.5	14
134	Computational exploration of the gas adsorption on the iron tetracarboxylate metal-organic framework MIL-102. <i>Molecular Simulation</i> , 2015, 41, 1357-1370.	0.9	14
135	Pushing the Limits on the Intestinal Crossing of Metal-Organic Frameworks: An <i>Ex Vivo</i> and <i>In Vivo</i> Detailed Study. <i>ACS Nano</i> , 2022, 16, 5830-5838.	7.3	13
136	4.38 The Situation of Metal-Organic Frameworks in Biomedicine <i>â††</i> . , 2017, , 719-749.		12
137	A Nonlinear Optically Active Bismuth-Camphorate Coordination Polymer. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2437-2443.	1.0	12
138	A Semiconducting Bi ₂ O ₂ (C ₄ O ₄) Coordination Polymer Showing a Photoelectric Response. <i>Inorganic Chemistry</i> , 2020, 59, 3406-3416.	1.9	12
139	Reversible dehydration-hydration process in stable bismuth-based hybrid perovskites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11358-11367.	2.7	12
140	Fully supercritical CO ₂ preparation of a nanostructured MOF composite with application in cutaneous drug delivery. <i>Journal of Supercritical Fluids</i> , 2021, 178, 105379.	1.6	12
141	Metal-organic frameworks for the removal of the emerging contaminant atenolol under real conditions. <i>Dalton Transactions</i> , 2021, 50, 2493-2500.	1.6	11
142	Inside Cover: Controlled Reducibility of a Metal-Organic Framework with Coordinatively Unsaturated Sites for Preferential Gas Sorption (<i>Angew. Chem. Int. Ed.</i> 34/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5804-5804.	7.2	10
143	Towards improving the capacity of UiO-66 for antibiotic elimination from contaminated water. <i>Faraday Discussions</i> , 2021, 231, 356-370.	1.6	9
144	Microencapsulated Isoniazid-Loaded Metal-Organic Frameworks for Pulmonary Administration of Antituberculosis Drugs. <i>Molecules</i> , 2021, 26, 6408.	1.7	9

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145	Quantification of trimesic acid in liver, spleen and urine by high-performance liquid chromatography coupled to a photodiode-array detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2311-2314.	1.2	8
146	In vitro determination of the CYP 3A4 activity in rat hepatic microsomes by liquid-phase extraction and HPLC-photodiode array detection. <i>Journal of Pharmacological and Toxicological Methods</i> , 2012, 66, 29-34.	0.3	8
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