Patricia Horcajada

List of Publications by Year
in descending order

159 papers	29,948 citations	9756 73 h-index	5364 164 g-index
173 all docs	173 docs citations	173 times ranked	20949 citing authors

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

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19	Cytotoxicity of nanoscaled metalâ€“organic frameworks. Journal of Materials Chemistry B, 2014, 2, 262-271.	2.9	298
20	Complex Adsorption of Short Linear Alkanes in the Flexible Metal-Organic-Framework MIL-53(Fe). Journal of the American Chemical Society, 2009, 131, 13002-13008.	6.6	281
21	Biodegradable therapeutic MOFs for the delivery of bioactive molecules. Chemical Communications, 2010, 46, 4526.	2.2	267
22	Optimisation of the synthesis of MOF nanoparticles made of flexible porous iron fumarate MIL-88A. Journal of Materials Chemistry, 2011, 21, 2220-2227.	6.7	263
23	Colloidal Route for Preparing Optical Thin Films of Nanoporous Metalâ€“Organic Frameworks. Advanced Materials, 2009, 21, 1931-1935.	11.1	257
24	Effect of NH2 and CF3 functionalization on the hydrogen sorption properties of MOFs. Dalton Transactions, 2011, 40, 4879.	1.6	257
25	Stable polyoxometalate insertion within the mesoporous metal organic framework MIL-100(Fe). Journal of Materials Chemistry, 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. Journal of the American Chemical Society, 2008, 130, 12808-12814.	6.6	246
27	Nitric Oxide Adsorption and Delivery in Flexible MIL-88(Fe) Metalâ€“Organic Frameworks. Chemistry of Materials, 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. ACS Catalysis, 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. Chemistry of Materials, 2012, 24, 2168-2177.	3.2	200
30	Iron(<scp>iii</scp>) metalâ€“organic frameworks as solid Lewis acids for the isomerization of Î±-pinene oxide. Catalysis Science and Technology, 2012, 2, 324-330.	2.1	197
31	Metal-organic frameworks: A novel platform for combined advanced therapies. Coordination Chemistry Reviews, 2019, 388, 202-226.	9.5	197
32	Infrared study of the influence of reducible iron(iii) metal sites on the adsorption of CO, CO2, propane, propene and propyne in the mesoporous metalâ€“organic framework MIL-100. Physical Chemistry Chemical Physics, 2011, 13, 11748.	1.3	192
33	Synthesis, Structure, Characterization, and Redox Properties of the Porous MILâ€68(Fe) Solid. European Journal of Inorganic Chemistry, 2010, 2010, 3789-3794.	1.0	191
34	Heparinâ€Engineered Mesoporous Iron Metalâ€Organic Framework Nanoparticles: Toward Stealth Drug Nanocarriers. Advanced Healthcare Materials, 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). Journal of the American Chemical Society, 2010, 132, 9488-9498.	6.6	185
36	Metal organic frameworks based on bioactive components. Journal of Materials Chemistry B, 2017, 5, 2560-2573.	2.9	180

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37	Green Microwave Synthesis of MILâ€•100(Al, Cr, Fe) Nanoparticles for Thinâ€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 Nâ€Heterocyclic Aromatic Contaminants from Fuels by Lewis Acidic Metalâ€"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 Metalâ€"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 metalâ€"organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	18.7	144
46	A â€œgreenâ€• 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 Metalâ€"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 antiâ€HIV Activity of NRTI via Metalâ€"Organic Frameworks Nanoparticles. Advanced Healthcare Materials, 2013, 2, 1630-1637.	3.9	130
52	Toward Understanding Drug Incorporation and Delivery from Biocompatible Metalâ€"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 CO2. 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. Journal of Materials Chemistry B, 2013, 1, 1101.	2.9	118
56	A Smart Metalâ€"Organic Framework Nanomaterial for Lung Targeting. Angewandte Chemie - International Edition, 2017, 56, 15565-15569.	7.2	118
57	A Robust and Biocompatible Bismuth Ellagate MOF Synthesized Under Green Ambient Conditions. Journal of the American Chemical Society, 2020, 142, 16795-16804.	6.6	115
58	Chitosan-coated mesoporous MIL-100(Fe) nanoparticles as improved bio-compatible oral nanocarriers. Scientific Reports, 2017, 7, 43099.	1.6	114
59	Reverse Shape Selectivity in the Liquid-Phase Adsorption of Xylene Isomers in Zirconium Terephthalate MOF UiO-66. Langmuir, 2012, 28, 5715-5723.	1.6	112
60	Evidence of Photoinduced Charge Separation in the Metalâ€"Organic Framework MILâ€•125(Ti)â€•NH₂. ChemPhysChem, 2012, 13, 3651-3654.	1.0	103
61	Green scalable aerosol synthesis of porous metalâ€"organic frameworks. Chemical Communications, 2013, 49, 3848.	2.2	103
62	Aqueous Stable Gold Nanostar/ZIFâ€•8 Nanocomposites for Lightâ€•Triggered Release of Active Cargo Inside Living Cells. Angewandte Chemie - International Edition, 2019, 58, 7078-7082.	7.2	103
63	A biocompatible porous Mg-gallate metalâ€"organic framework as an antioxidant carrier. Chemical Communications, 2015, 51, 5848-5851.	2.2	98
64	In vitro biocompatibility of mesoporous metal (III; Fe, Al, Cr) trimesate MOF nanocarriers. Journal of Materials Chemistry B, 2015, 3, 8279-8292.	2.9	96
65	Porous metal organic framework nanoparticles to address the challenges related to busulfan encapsulation. Nanomedicine, 2011, 6, 1683-1695.	1.7	95
66	Extended and functionalized porous iron(iii) tri- or dicarboxylates with MIL-100/101 topologies. Chemical Communications, 2014, 50, 6872.	2.2	93
67	Bioactivity in ordered mesoporous materials. Solid State Sciences, 2004, 6, 1295-1300.	1.5	91
68	Controlled release of Ibuprofen from dealuminated faujasites. Solid State Sciences, 2006, 8, 1459-1465.	1.5	91
69	A Smart Metalâ€"Organic Framework Nanomaterial for Lung Targeting. Angewandte Chemie, 2017, 129, 15771-15775.	1.6	87
70	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
71	A Complete Separation of Hexane Isomers by a Functionalized Flexible Metal Organic Framework. Advanced Functional Materials, 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. Microporous and Mesoporous Materials, 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. CrystEngComm, 2016, 18, 4094-4101.	1.3	74
74	Metalâ€“Organic Frameworks as Efficient Oral Detoxifying Agents. Journal of the American Chemical Society, 2018, 140, 9581-9586.	6.6	74
75	Maghemite-nanoMIL-100(Fe) Bimodal Nanovector as a Platform for Image-Guided Therapy. CheM, 2017, 3, 303-322.	5.8	72
76	Nanometric MIL-125-NH2 Metalâ€“Organic Framework as a Potential Nerve Agent Antidote Carrier. Nanomaterials, 2017, 7, 321.	1.9	71
77	Caffeine Confinement into a Series of Functionalized Porous Zirconium MOFs: A Joint Experimental/Modeling Exploration. Journal of Physical Chemistry C, 2013, 117, 11694-11704.	1.5	70
78	Impact of phosphorylation on the encapsulation of nucleoside analogues within porous iron(iii) metalâ€“organic framework MIL-100(Fe) nanoparticles. Journal of Materials Chemistry B, 2013, 1, 4231.	2.9	69
79	GraftFast Surface Engineering to Improve MOF Nanoparticles Furtiveness. Small, 2018, 14, e1801900.	5.2	69
80	Nickel phosphonate MOF as efficient water splitting photocatalyst. Nano Research, 2021, 14, 450-457.	5.8	68
81	Porous, rigid metal(III)-carboxylate metal-organic frameworks for the delivery of nitric oxide. APL Materials, 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. Chemistry of Materials, 2013, 25, 479-488.	3.2	65
83	Direct accessibility of mixed-metal (<scp>iii</scp>/<scp>ii</scp>) acid sites through the rational synthesis of porous metal carboxylates. Chemical Communications, 2015, 51, 10194-10197.	2.2	63
84	In vivo behavior of MIL-100 nanoparticles at early times after intravenous administration. International Journal of Pharmaceutics, 2016, 511, 1042-1047.	2.6	63
85	Impact of the Metal Centre and Functionalization on the Mechanical Behaviour of MILâ€53 Metalâ€“Organic Frameworks. European Journal of Inorganic Chemistry, 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. ACS Sustainable Chemistry and Engineering, 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. Journal of Molecular Catalysis A, 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. Langmuir, 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 NH₂functionalized versions. Dalton Transactions, 2016, 45, 4283-4288.	1.6	53
90	Metalâ€“Organic Frameworks in Agriculture. ACS Applied Materials & Interfaces, 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. Journal of Physical Chemistry C, 2011, 115, 18683-18695.	1.5	50
92	How Interpenetration Ensures Rigidity and Permanent Porosity in a Highly Flexible Hybrid Solid. Chemistry of Materials, 2012, 24, 2486-2492.	3.2	50
93	Ironâ€Based Metalâ€Organic Frameworks (MOF) as Photocatalysts for Radical and Cationic Polymerizations under Near UV and Visible LEDs (385â€"405 nm). Macromolecular Chemistry and Physics, 2016, 217, 2534-2540.	1.1	50
94	A biocompatible calcium bisphosphonate coordination polymer: towards a metal-linker synergistic therapeutic effect?. CrystEngComm, 2013, 15, 9899.	1.3	49
95	Biocompatible iron(<scp>iii</scp>) carboxylate metalâ€"organic frameworks as promising RNA nanocarriers. Nanoscale, 2020, 12, 4839-4845.	2.8	47
96	A robust monolithic metalâ€"organic framework with hierarchical porosity. Chemical Communications, 2018, 54, 13088-13091.	2.2	46
97	Effect of ethylbenzene in p-xylene selectivity of the porous titanium amino terephthalate MIL-125(Ti)_NH2. Microporous and Mesoporous Materials, 2012, 158, 229-234.	2.2	44
98	Modulation of metal-azolate frameworks for the tunable release of encapsulated glycosaminoglycans. Chemical Science, 2020, 11, 10835-10843.	3.7	44
99	Single and multicomponent adsorption of hexane isomers in the microporous ZIF-8. Microporous and Mesoporous Materials, 2014, 194, 146-156.	2.2	43
100	Impact of the Nature of the Organic Spacer on the Crystallization Kinetics of UiOâ€66(Zr)â€Type MOFs. Chemistry - A European Journal, 2015, 21, 7135-7143.	1.7	40
101	An Ag-loaded photoactive nano-metal organic framework as a promising biofilm treatment. Acta Biomaterialia, 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. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 758-762.	1.4	39
103	â€˜Greenâ€™ fluorine-free mesoporous iron(III) trimesate nanoparticles for drug delivery. Green Materials, 2013, 1, 209-217.	1.1	37
104	Novel Antibacterial Azelaic Acid BioMOFs. Crystal Growth and Design, 2020, 20, 370-382.	1.4	37
105	Immobilization of Co-containing polyoxometalates in MIL-101(Cr): structural integrity versus chemical transformation. Dalton Transactions, 2014, 43, 12698-12705.	1.6	36
106	Biocompatible porous metal-organic framework nanoparticles based on Fe or Zr for gentamicin vectorization. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 132, 11-18.	2.0	36
107	Small chemical causes drastic structural effects: the case of calcium glutarate. CrystEngComm, 2011, 13, 1894-1898.	1.3	35
108	A Novel Porous Tiâ€Squarate as Efficient Photocatalyst in the Overall Water Splitting Reaction under Simulated Sunlight Irradiation. Advanced Materials, 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). Microporous and Mesoporous Materials, 2011, 140, 114-119.	2.2	34
110	Biocompatible polymerâ€“metalâ€“organic framework composite patches for cutaneous administration of cosmetic molecules. Journal of Materials Chemistry B, 2016, 4, 7031-7040.	2.9	34
111	Antineoplastic busulfan encapsulated in a metal organic framework nanocarrier: first in vivo results. Journal of Materials Chemistry B, 2016, 4, 585-588.	2.9	34
112	Ti-Based nanoMOF as an Efficient Oral Therapeutic Agent. ACS Applied Materials & Interfaces, 2019, 11, 22188-22193.	4.0	32
113	Crystal structure dependent in vitro antioxidant activity of biocompatible calcium gallate MOFs. Journal of Materials Chemistry B, 2017, 5, 2813-2822.	2.9	31
114	A highly conductive nanostructured PEDOT polymer confined into the mesoporous MIL-100(Fe). Dalton Transactions, 2019, 48, 9807-9817.	1.6	30
115	Hexane isomers sorption on a functionalized metalâ€“organic framework. Microporous and Mesoporous Materials, 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. Journal of Materials Chemistry B, 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. Journal of Power Sources, 2019, 427, 299-308.	4.0	29
118	Ligand Dynamics of Drug-Loaded Microporous Zirconium Terephthalates-Based Metalâ€“Organic Frameworks: Impact of the Nature and Concentration of the Guest. Journal of Physical Chemistry C, 2014, 118, 1983-1989.	1.5	26
119	In deep evaluation of the neurotoxicity of orally administered TiO2 nanoparticles. Brain Research Bulletin, 2020, 155, 119-128.	1.4	25
120	Phase-Selective Microwave Assisted Synthesis of Iron(III) Aminoterephthalate MOFs. Materials, 2020, 13, 1469.	1.3	22
121	Improving the genistein oral bioavailability <i>via</i> its formulation into the metalâ€“organic framework MIL-100(Fe). Journal of Materials Chemistry B, 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. Dalton Transactions, 2015, 44, 19687-19692.	1.6	20
123	A new proton-conducting Bi-carboxylate framework. Dalton Transactions, 2019, 48, 11181-11185.	1.6	20
124	Metalâ€“Organic Framework Microsphere Formulation for Pulmonary Administration. ACS Applied Materials & Interfaces, 2020, 12, 25676-25682.	4.0	20
125	Drug Release and In Vitro Assays of Bioactive Polymer/Glass Mixtures. Journal of Sol-Gel Science and Technology, 2003, 26, 1195-1198.	1.1	19
126	Second harmonic generation microscopy reveals hidden polar organization in fluoride doped MIL-53(Fe). Dalton Transactions, 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. Journal of Materials Chemistry A, 2021, 9, 15704-15713.	5.2	19
128	A Promising Catalytic and Theranostic Agent Obtained through the Inâ€Situ Synthesis of Au Nanoparticles with a Reduced Polyoxometalate Incorporated within Mesoporous MILâ€101. European Journal of Inorganic Chemistry, 2016, 2016, 4387-4394.	1.0	17
129	Effect of the ligand functionalization on the acidâ€“base properties of flexible MOFs. Microporous and Mesoporous Materials, 2014, 195, 197-204.	2.2	16
130	Cracking the immune fingerprint of metalâ€“organic frameworks. Chemical Science, 2022, 13, 934-944.	3.7	16
131	Aqueous Stable Gold Nanostar/ZIFâ€8 Nanocomposites for Lightâ€Triggered Release of Active Cargo Inside Living Cells. Angewandte Chemie, 2019, 131, 7152-7156.	1.6	15
132	Combined Cutaneous Therapy Using Biocompatible Metal-Organic Frameworks. Nanomaterials, 2020, 10, 2296.	1.9	15
133	Separation of Hexane Isomers on Rigid Porous Metal Carboxylate-Based Metalâ€"Organic Frameworks. Adsorption Science and Technology, 2014, 32, 475-488.	1.5	14
134	Computational exploration of the gas adsorption on the iron tetracarboxylate metal-organic framework MIL-102. Molecular Simulation, 2015, 41, 1357-1370.	0.9	14
135	Pushing the Limits on the Intestinal Crossing of Metalâ€“Organic Frameworks: An <i>Ex Vivo</i> and <i>In Vivo</i> Detailed Study. ACS Nano, 2022, 16, 5830-5838.	7.3	13
136	4.38 The Situation of Metal-Organic Frameworks in Biomedicine â˜†. , 2017, , 719-749.		12
137	A Nonlinear Optically Active Bismuthâ€“Camphorate Coordination Polymer. European Journal of Inorganic Chemistry, 2018, 2018, 2437-2443.	1.0	12
138	A Semiconducting Bi₂O₂(C₄O₄) Coordination Polymer Showing a Photoelectric Response. Inorganic Chemistry, 2020, 59, 3406-3416.	1.9	12
139	Reversible dehydrationâ€“hydration process in stable bismuth-based hybrid perovskites. Journal of Materials Chemistry C, 2021, 9, 11358-11367.	2.7	12
140	Fully supercritical CO2 preparation of a nanostructured MOF composite with application in cutaneous drug delivery. Journal of Supercritical Fluids, 2021, 178, 105379.	1.6	12
141	Metalâ€“organic frameworks for the removal of the emerging contaminant atenolol under real conditions. Dalton Transactions, 2021, 50, 2493-2500.	1.6	11
142	Inside Cover: Controlled Reducibility of a Metalâ€“Organic Framework with Coordinatively Unsaturated Sites for Preferential Gas Sorption (Angew. Chem. Int. Ed. 34/2010). Angewandte Chemie - International Edition, 2010, 49, 5804-5804.	7.2	10
143	Towards improving the capacity of UiO-66 for antibiotic elimination from contaminated water. Faraday Discussions, 2021, 231, 356-370.	1.6	9
144	Microencapsulated Isoniazid-Loaded Metalâ€“Organic Frameworks for Pulmonary Administration of Antituberculosis Drugs. Molecules, 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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 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. Journal of Pharmacological and Toxicological Methods, 2012, 66, 29-34.	0.3	8
147	Porous Materials: Energy-Efficient Dehumidification over Hierachically Porous Metal-Organic Frameworks as Advanced Water Adsorbents (Adv. Mater. 6/2012). Advanced Materials, 2012, 24, 710-710.	11.1	7
148	A simple and robust high-performance liquid chromatography coupled to a diode-array detector method for the analysis of genistein in mouse tissues. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 935, 47-53.	1.2	7
149	Proton Conductive Zr-Phosphonate UPG-1â€"Aminoacid Insertion as Proton Carrier Stabilizer. Molecules, 2020, 25, 3519.	1.7	7
150	A new mononuclear nickel complex with 5,5â€²-dimethyl-2,2â€²-bipyridine: Synthesis, structural investigation and catalytic properties. Journal of Molecular Structure, 2020, 1219, 128572.	1.8	7
151	Aqueous Synthesis of Copper(II)-Imidazolate Nanoparticles. Inorganic Chemistry, 2018, 57, 12056-12065.	1.9	6
152	Understanding the Incorporation and Release of Salicylic Acid in Metalâ€Organic Frameworks for Topical Administration. European Journal of Inorganic Chemistry, 2021, 2021, 1325-1331.	1.0	6
153	Ion-Exchanged UPG-1 as Potential Electrolyte for Fuel Cells. Inorganic Chemistry, 2021, 60, 11803-11812.	1.9	5
154	Porous Metalâ€"Organic Frameworks as New Drug Carriers. , 2011, , 559-573.		4
155	Quantification of tetramethyl-terephthalic acid in rat liver, spleen and urine matrices by liquidâ€"liquid phase extraction and HPLC-photodiode array detection. Journal of Pharmaceutical and Biomedical Analysis, 2012, 67-68, 98-103.	1.4	4
156	Bis-3,5-Diamino-1,2,4-Triazolyl-1,2,4,5-Tetrazine: From Insensitive High Energy Density Materials to Small Molecule Organic Semiconductors. Crystal Growth and Design, 2020, 20, 6510-6518.	1.4	3
157	The crystal structure of visible light absorbing piezoelectric semiconductor SrNb₂V₂O₁₁revisited: high-resolution X-ray diffraction, vibrational spectroscopy and computational study. Journal of Materials Chemistry C, 2019, 7, 5497-5505.	2.7	2
158	3D Reconstruction and Porosity Study of a Hierarchical Porous Monolithic Metal Organic Framework by FIB-SEM Nanotomography. Microscopy and Microanalysis, 2016, 22, 4-5.	0.2	1
159	Back Cover: A Promising Catalytic and Theranostic Agent Obtained through the Inâ€Situ Synthesis of Au Nanoparticles with a Reduced Polyoxometalate Incorporated within Mesoporous MILâ€101 (Eur. J. Inorg.) Tj ETQq1 1 0.784314 rgBT /		