C J Doonan

List of Publications by Year
in descending order

148 papers	18,215 citations	26567 56 h-index	12233 133 g-index
153 all docs	153 docs citations	153 times ranked	17115 citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Structure, and Carbon Dioxide Capture Properties of Zeolitic Imidazolate Frameworks. Accounts of Chemical Research, 2010, 43, 58-67.	7.6	2,268
2	Multiple Functional Groups of Varying Ratios in Metal-Organic Frameworks. Science, 2010, 327, 846-850.	6.0	1,607
3	Biomimetic mineralization of metal-organic frameworks as protective coatings for biomacromolecules. Nature Communications, 2015, 6, 7240.	5.8	1,077
4	Exceptional ammonia uptake by a covalent organic framework. Nature Chemistry, 2010, 2, 235-238.	6.6	829
5	Crystalline Covalent Organic Frameworks with Hydrazone Linkages. Journal of the American Chemical Society, 2011, 133, 11478-11481.	6.6	731
6	Crystals as Molecules: Postsynthesis Covalent Functionalization of Zeolitic Imidazolate Frameworks. Journal of the American Chemical Society, 2008, 130, 12626-12627.	6.6	655
7	Mixedâ€Matrix Membranes. Angewandte Chemie - International Edition, 2017, 56, 9292-9310.	7.2	545
8	Post-synthetic metalation of metalâ€“organic frameworks. Chemical Society Reviews, 2014, 43, 5933-5951.	18.7	529
9	Metal Insertion in a Microporous Metalâˆ’Organic Framework Lined with 2,2â€²-Bipyridine. Journal of the American Chemical Society, 2010, 132, 14382-14384.	6.6	514
10	Application of metal and metal oxide nanoparticles@MOFs. Coordination Chemistry Reviews, 2016, 307, 237-254.	9.5	479
11	Metalâ€“Organic Frameworks at the Biointerface: Synthetic Strategies and Applications. Accounts of Chemical Research, 2017, 50, 1423-1432.	7.6	464
12	Metalâ€“Organic Framework-Based Enzyme Biocomposites. Chemical Reviews, 2021, 121, 1077-1129.	23.0	372
13	Reticular Synthesis of Covalent Organic Borosilicate Frameworks. Journal of the American Chemical Society, 2008, 130, 11872-11873.	6.6	352
14	Enhanced Activity of Enzymes Encapsulated in Hydrophilic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 2348-2355.	6.6	351
15	Centimetre-scale micropore alignment in oriented polycrystalline metalâ€“organic framework films via heteroepitaxial growth. Nature Materials, 2017, 16, 342-348.	13.3	298
16	Mechanisms of gold biomineralization in the bacterium <i>Cupriavidus metallidurans</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17757-17762.	3.3	283
17	Isoreticular Metalation of Metalâˆ’Organic Frameworks. Journal of the American Chemical Society, 2009, 131, 9492-9493.	6.6	266
18	Metalâ€“Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells. Advanced Materials, 2016, 28, 7910-7914.	11.1	254

#	Article	IF	Citations
19	Enzyme encapsulation in zeolitic imidazolate frameworks: a comparison between controlled co-precipitation and biomimetic mineralisation. Chemical Communications, 2016, 52, 473-476.	2.2	230
20	Metalâ€“Organic Frameworks for Cell and Virus Biology: A Perspective. ACS Nano, 2018, 12, 13-23.	7.3	214
21	Enzyme Encapsulation in a Porous Hydrogen-Bonded Organic Framework. Journal of the American Chemical Society, 2019, 141, 14298-14305.	6.6	210
22	Postsynthetic Modification of a Metalâ€“Organic Framework for Stabilization of a Hemiaminal and Ammonia Uptake. Inorganic Chemistry, 2011, 50, 6853-6855.	1.9	194
23	Biocompatibility characteristics of the metal organic framework ZIF-8 for therapeutical applications. Applied Materials Today, 2018, 11, 13-21.	2.3	193
24	Post-synthetic Structural Processing in a Metalâ€“Organic Framework Material as a Mechanism for Exceptional CO₂/N₂ Selectivity. Journal of the American Chemical Society, 2013, 135, 10441-10448.	6.6	190
25	Degradation of ZIF-8 in phosphate buffered saline media. CrystEngComm, 2019, 21, 4538-4544.	1.3	186
26	Capturing snapshots of post-synthetic metallation chemistry in metalâ€“organic frameworks. Nature Chemistry, 2014, 6, 906-912.	6.6	178
27	Zirconium-Based Metalâ€“Organic Framework for Removal of Perrhenate from Water. Inorganic Chemistry, 2016, 55, 8241-8243.	1.9	153
28	An Enzymeâ€Coated Metalâ€“Organic Framework Shell for Synthetically Adaptive Cell Survival. Angewandte Chemie - International Edition, 2017, 56, 8510-8515.	7.2	152
29	Control of Structure Topology and Spatial Distribution of Biomacromolecules in Protein@ZIF-8 Biocomposites. Chemistry of Materials, 2018, 30, 1069-1077.	3.2	146
30	MOFâ€onâ€MOF: Oriented Growth of Multiple Layered Thin Films of Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 6886-6890.	7.2	145
31	Kinetically Controlled Porosity in a Robust Organic Cage Material. Angewandte Chemie - International Edition, 2013, 52, 3746-3749.	7.2	137
32	Protein surface functionalisation as a general strategy for facilitating biomimetic mineralisation of ZIF-8. Chemical Science, 2018, 9, 4217-4223.	3.7	131
33	Emerging applications of metalâ€“organic frameworks. CrystEngComm, 2016, 18, 6532-6542.	1.3	125
34	Towards applications of bioentities@MOFs in biomedicine. Coordination Chemistry Reviews, 2021, 429, 213651.	9.5	121
35	Removal of Pertechnetateâ€Related Oxyanions from Solution Using Functionalized Hierarchical Porous Frameworks. Chemistry - A European Journal, 2016, 22, 17581-17584.	1.7	107
36	Highly active catalyst for CO₂ methanation derived from a metal organic framework template. Journal of Materials Chemistry A, 2017, 5, 12990-12997.	5.2	95

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37	Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Frameworkâ€8 (ZIFâ€8). Small, 2019, 15, e1902268.	5.2	95
38	Metalâ€"organic framework catalysis. CrystEngComm, 2017, 19, 4044-4048.	1.3	94
39	Nature of the Catalytically Labile Oxygen at the Active Site of Xanthine Oxidase. Journal of the American Chemical Society, 2005, 127, 4518-4522.	6.6	86
40	Synthesis and Applications of Porous Organic Cages. Chemistry Letters, 2015, 44, 582-588.	0.7	85
41	Feasibility of Mixed Matrix Membrane Gas Separations Employing Porous Organic Cages. Journal of Physical Chemistry C, 2014, 118, 1523-1529.	1.5	84
42	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
43	Xâ€ray Crystallography in Openâ€Framework Materials. Angewandte Chemie - International Edition, 2015, 54, 12860-12867.	7.2	75
44	Mappingâ€Out Catalytic Processes in a Metalâ€"Organic Framework with Singleâ€Crystal Xâ€ray Crystallography. Angewandte Chemie - International Edition, 2017, 56, 8412-8416.	7.2	75
45	Supramolecular anion recognition in water: synthesis of hydrogen-bonded supramolecular frameworks. Chemical Science, 2017, 8, 3019-3025.	3.7	74
46	AIMs: a new strategy to control physical aging and gas transport in mixed-matrix membranes. Journal of Materials Chemistry A, 2015, 3, 15241-15247.	5.2	72
47	Molecular Mimicry in Mercury Toxicology. Chemical Research in Toxicology, 2006, 19, 753-759.	1.7	71
48	A 3-D diamondoid MOF catalyst based on in situ generated [Cu(L)₂] N-heterocyclic carbene (NHC) linkers: hydroboration of CO₂. Chemical Communications, 2014, 50, 11760-11763.	2.2	70
49	Molecular Tectonics: A Nodeâ€andâ€Linker Building Block Approach to a Family of Hydrogenâ€Bonded Frameworks. Chemistry - A European Journal, 2019, 25, 10006-10012.	1.7	70
50	Phase dependent encapsulation and release profile of ZIF-based biocomposites. Chemical Science, 2020, 11, 3397-3404.	3.7	70
51	Mixedâ€Matrixâ€Membranen. Angewandte Chemie, 2017, 129, 9420-9439.	1.6	69
52	Application of computational methods to the design and characterisation of porous molecular materials. Chemical Society Reviews, 2017, 46, 3286-3301.	18.7	68
53	Control of framework interpenetration for in situ modified hydroxyl functionalised IRMOFs. Chemical Communications, 2012, 48, 10328.	2.2	64
54	Hetero-bimetallic metalâ€"organic polyhedra. Chemical Communications, 2016, 52, 276-279.	2.2	62

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55	ZnO as an Efficient Nucleating Agent for Rapid, Room Temperature Synthesis and Patterning of Zn-Based Metalâ€"Organic Frameworks. Chemistry of Materials, 2015, 27, 690-699.	3.2	60
56	Isolating reactive metal-based species in Metalâ€"Organic Frameworks â€" viable strategies and opportunities. Chemical Science, 2020, 11, 4031-4050.	3.7	59
57	Electronic Structure Description of thecis-MoOS Unit in Models for Molybdenum Hydroxylases. Journal of the American Chemical Society, 2008, 130, 55-65.	6.6	58
58	Models for the Molybdenum Hydroxylases:Â Synthesis, Characterization and Reactivity ofcis-Oxosulfido-Mo(VI) Complexes. Journal of the American Chemical Society, 2006, 128, 305-316.	6.6	57
59	Oxygen Atom Transfer in Models for Molybdenum Enzymes: Isolation and Structural, Spectroscopic, and Computational Studies of Intermediates in Oxygen Atom Transfer from Molybdenum(VI) to Phosphorus(III). Chemistry - A European Journal, 2005, 11, 3255-3267.	1.7	55
60	Scrutinizing Low-Spin Cr(II) Complexes. Inorganic Chemistry, 2012, 51, 6969-6982.	1.9	55
61	Continuousâ€Flow Synthesis of ZIFâ€8 Biocomposites with Tunable Particle Size. Angewandte Chemie - International Edition, 2020, 59, 8123-8127.	7.2	55
62	New Insights into the Bergâ^'Holm Oxomolybdoenzyme Model. Journal of the American Chemical Society, 1999, 121, 6430-6436.	6.6	46
63	Carbohydrates@MOFs. Materials Horizons, 2019, 6, 969-977.	6.4	46
64	Combining a Genetically Engineered Oxidase with Hydrogenâ€Bonded Organic Frameworks (HOFs) for Highly Efficient Biocomposites. Angewandte Chemie - International Edition, 2022, 61, .	7.2	46
65	Molecular Design of Amorphous Porous Organic Cages for Enhanced Gas Storage. Journal of Physical Chemistry C, 2015, 119, 7746-7754.	1.5	44
66	Protecting-Group-Free Site-Selective Reactions in a Metalâ€"Organic Framework Reaction Vessel. Journal of the American Chemical Society, 2018, 140, 6416-6425.	6.6	44
67	Modulation of metal-azolate frameworks for the tunable release of encapsulated glycosaminoglycans. Chemical Science, 2020, 11, 10835-10843.	3.7	44
68	Highly Active Gas Phase Organometallic Catalysis Supported Within Metalâ€"Organic Framework Pores. Journal of the American Chemical Society, 2020, 142, 13533-13543.	6.6	43
69	Molybdenum X-ray absorption edges from 200 to 20,000eV: The benefits of soft X-ray spectroscopy for chemical speciation. Journal of Inorganic Biochemistry, 2009, 103, 157-167.	1.5	40
70	Computational identification of organic porous molecular crystals. CrystEngComm, 2016, 18, 4133-4141.	1.3	39
71	Influence of nanoscale structuralisation on the catalytic performance of ZIF-8: a cautionary surface catalysis study. CrystEngComm, 2018, 20, 4926-4934.	1.3	38
72	An Enzymeâ€Coated Metalâ€"Organic Framework Shell for Synthetically Adaptive Cell Survival. Angewandte Chemie, 2017, 129, 8630-8635.	1.6	37

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73	MOFâ€onâ€MOF: Oriented Growth of Multiple Layered Thin Films of Metalâ€“Organic Frameworks. Angewandte Chemie, 2019, 131, 6960-6964.	1.6	37
74	Can 3D electron diffraction provide accurate atomic structures of metalâ€“organic frameworks?. Faraday Discussions, 2021, 225, 118-132.	1.6	34
75	Atom transfer chemistry and electrochemical behavior of Mo(VI) and Mo(V) trispyrazolylborate complexes: new mononuclear and dinuclear species. Inorganica Chimica Acta, 2002, 337, 393-406.	1.2	33
76	Solvent-modified dynamic porosity in chiral 3D kagome frameworks. Dalton Transactions, 2013, 42, 7871.	1.6	33
77	Using softer X-ray absorption spectroscopy to probe biological systems. Journal of Synchrotron Radiation, 2005, 12, 392-401.	1.0	31
78	cis-Dioxomolybdenum(VI) and Oxo(phosphine oxide)molybdenum(IV) Complexes:Â Steric and Electronic Fine-Tuning ofcis-[MoOS]2+Precursors. Inorganic Chemistry, 2005, 44, 4506-4514.	1.9	31
79	Endohedrally functionalised porous organic cages. Chemical Communications, 2016, 52, 8850-8853.	2.2	31
80	Controlling the alignment of 1D nanochannel arrays in oriented metalâ€“organic framework films for hostâ€“guest materials design. Chemical Science, 2020, 11, 8005-8012.	3.7	31
81	Modified Active Site Coordination in a Clinical Mutant of Sulfite Oxidase. Journal of the American Chemical Society, 2007, 129, 9421-9428.	6.6	30
82	Conversion of Copper Carbonate into a Metalâ€“Organic Framework. Chemistry of Materials, 2018, 30, 5630-5638.	3.2	30
83	Continuous flow synthesis of a carbon-based molecular cage macrocycle via a three-fold homocoupling reaction. Chemical Communications, 2015, 51, 14231-14234.	2.2	29
84	Highâ€Throughput Electron Diffraction Reveals a Hidden Novel Metalâ€“Organic Framework for Electrocatalysis. Angewandte Chemie - International Edition, 2021, 60, 11391-11397.	7.2	29
85	Mo^V Electron Paramagnetic Resonance of Sulfite Oxidase Revisited: The Low-pH Chloride Signal. Inorganic Chemistry, 2008, 47, 2033-2038.	1.9	28
86	Influence of the Synthesis and Storage Conditions on the Activity of <i>Candida antarctica</i> Lipase B ZIF-8 Biocomposites. ACS Applied Materials & Interfaces, 2021, 13, 51867-51875.	4.0	28
87	Particle size effects in the kinetic trapping of a structurally-locked form of a flexible MOF. CrystEngComm, 2016, 18, 4172-4179.	1.3	28
88	Using hinged ligands to target structurally flexible copper(ii) MOFs. CrystEngComm, 2013, 15, 9663.	1.3	27
89	Mineralizationâ€Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. Angewandte Chemie - International Edition, 2019, 58, 13550-13555.	7.2	27
90	Unveiling the structural transitions during activation of a CO2 methanation catalyst Ru0/ZrO2 synthesised from a MOF precursor. Catalysis Today, 2021, 368, 66-77.	2.2	27

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91	Probing post-synthetic metallation in metalâ€“organic frameworks: insights from X-ray crystallography. Chemical Communications, 2015, 51, 5486-5489.	2.2	25
92	Structure of the Active Site of Sulfite Dehydrogenase from Starkeya novella. Inorganic Chemistry, 2006, 45, 7488-7492.	1.9	24
93	X-ray Absorption Spectroscopic Characterization of the Molybdenum Site ofEscherichia coliDimethyl Sulfoxide Reductase. Inorganic Chemistry, 2007, 46, 2-4.	1.9	24
94	Selfâ€Assembly of Oriented Antibodyâ€Decorated Metalâ€“Organic Framework Nanocrystals for Activeâ€Targeting Applications. Advanced Materials, 2022, 34, e2106607.	11.1	23
95	High-Resolution X-ray Emission Spectroscopy of Molybdenum Compounds. Inorganic Chemistry, 2005, 44, 2579-2581.	1.9	22
96	Interaction of Product Analogues with the Active Site ofRhodobacterSphaeroidesDimethyl Sulfoxide Reductase. Inorganic Chemistry, 2007, 46, 3097-3104.	1.9	21
97	Molybdenum Site Structure of <i>Escherichia coli</i> YedY, a Novel Bacterial Oxidoreductase. Inorganic Chemistry, 2011, 50, 732-740.	1.9	21
98	Continuousâ€Flow Synthesis of ZIFâ€8 Biocomposites with Tunable Particle Size. Angewandte Chemie, 2020, 132, 8200-8204.	1.6	21
99	Mappingâ€Out Catalytic Processes in a Metalâ€“Organic Framework with Singleâ€Crystal Xâ€ray Crystallography. Angewandte Chemie, 2017, 129, 8532-8536.	1.6	20
100	High-Throughput Screening of Metalâ€“Organic Frameworks for Macroscale Heteroepitaxial Alignment. ACS Applied Materials & Interfaces, 2018, 10, 40938-40950.	4.0	18
101	Postsynthetic Metalated MOFs as Atomically Dispersed Catalysts for Hydroformylation Reactions. ACS Applied Materials & Interfaces, 2020, 12, 54798-54805.	4.0	18
102	Hydrogen adsorption in azolium and metalated N-heterocyclic carbene containing MOFs. CrystEngComm, 2016, 18, 7003-7010.	1.3	17
103	MOF matrix isolation: cooperative conformational mobility enables reliable single crystal transformations. Faraday Discussions, 2021, 225, 84-99.	1.6	16
104	Transformations Leading to the Generation of Dithiolene Ligands Initiated by Reactions of Sulfur-Rich WS(S2)(S2CNR2)2Complexes with Dimethyl Acetylenedicarboxylate and Phenylacetylene. Organometallics, 2000, 19, 5643-5653.	1.1	15
105	X-ray crystallographic insights into post-synthetic metalation products in a metalâ€“organic framework. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160028.	1.6	15
106	Study of iron oxide nanoparticle phases in graphene aerogels for oxygen reduction reaction. New Journal of Chemistry, 2017, 41, 15180-15186.	1.4	15
107	A metalâ€“organic framework supported iridium catalyst for the gas phase hydrogenation of ethylene. Chemical Communications, 2020, 56, 15313-15316.	2.2	15
108	Insights into the Interaction between Immobilized Biocatalysts and Metalâ€“Organic Frameworks: A Case Study of PCN-333. Jacs Au, 2021, 1, 2172-2181.	3.6	15

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109	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. Materials, 2017, 10, 921.	1.3	14
110	On the completeness of three-dimensional electron diffraction data for structural analysis of metalâ€“organic frameworks. Faraday Discussions, 2021, 231, 66-80.	1.6	14
111	Synthesis and Characterization of Monomeric Oxo Dichloro 1,3-Dialkylp-tert-Butylcalix[4]arene Complexes of Molybdenum(VI,V) and Tungsten(VI,V). Inorganic Chemistry, 2000, 39, 5151-5155.	1.9	13
112	Molecular Insight into Assembly Mechanisms of Porous Aromatic Frameworks. Journal of Physical Chemistry C, 2017, 121, 16381-16392.	1.5	13
113	Site-specific metal and ligand substitutions in a microporous Mn2+-based metalâ€“organic framework. Dalton Transactions, 2016, 45, 4431-4438.	1.6	12
114	Isomer Interconversion Studied through Single-Crystal to Single-Crystal Transformations in a Metalâ€“Organic Framework Matrix. Organometallics, 2019, 38, 3412-3418.	1.1	12
115	Single-Crystal-to-Single-Crystal Transformations of Metalâ€“Organic-Framework-Supported, Site-Isolated Trigonal-Planar Cu(I) Complexes with Labile Ligands. Inorganic Chemistry, 2021, 60, 11775-11783.	1.9	12
116	Reprogramming Kinetic Phase Control and Tailoring Pore Environments in Co^{II} and Zn^{II} Metalâ€“Organic Frameworks. Crystal Growth and Design, 2014, 14, 5710-5718.	1.4	11
117	d¹ Oxosulfido-Mo(V) Compounds: First Isolation and Unambiguous Characterization of an Extended Series. Inorganic Chemistry, 2015, 54, 6386-6396.	1.9	11
118	Utilising hinged ligands in MOF synthesis: a covalent linking strategy for forming 3D MOFs. CrystEngComm, 2014, 16, 6364-6371.	1.3	10
119	Chapter 5 Inorganic Molecular Toxicology and Chelation Therapy of Heavy Metals and Metalloids. Advances in Molecular Toxicology, 2008, 2, 123-152.	0.4	9
120	Synthesis and Characterization of Tp^{<i>i</i>Pr}MoO(S₂PR₂) (R =) Tj ETQq0 0 0 rgBT /Overlock 10 {HB(OMe)(Pr^{<i>i</i>}pz)₂}MoO(S₂PPr^{<i>i</i>}₂), Including Isomers of Known 1,2-Borotropically-Shifted Complexes. Inorganic Chemistry, 2009, 48, 1960-1966.	1.9	9
121	Chelation-driven fluorescence deactivation in three alkali earth metal MOFs containing 2,2â€²-dihydroxybiphenyl-4,4â€²-dicarboxylate. CrystEngComm, 2013, 15, 9722.	1.3	9
122	More on Molecular Mimicry in Mercury Toxicology. Chemical Research in Toxicology, 2006, 19, 1118-1120.	1.7	8
123	Nature of Halide Binding to the Molybdenum Site of Sulfite Oxidase. Inorganic Chemistry, 2011, 50, 9406-9413.	1.9	8
124	Encapsulation of polyoxometalates within layered metalâ€“organic frameworks with topological and pore control. CrystEngComm, 2013, 15, 9340.	1.3	8
125	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. Materials, 2018, 11, 205.	1.3	8
126	Semiâ€Automatic Deposition of Oriented Cu(OH)₂ Nanobelts for the Heteroepitaxial Growth of Metalâ€“Organic Framework Films. Advanced Materials Interfaces, 2021, 8, 2101039.	1.9	8

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127	Coordination modulated on-off switching of flexibility in a metalâ€"organic framework. Chemical Science, 2021, 12, 14893-14900.	3.7	7
128	Highâ€Throughput Electron Diffraction Reveals a Hidden Novel Metalâ€"Organic Framework for Electrocatalysis. Angewandte Chemie, 2021, 133, 11492-11498.	1.6	6
129	Templated synthesis of zirconium(<scp>iv</scp>)-based metalâ€"organic layers (MOLs) with accessible chelating sites. Chemical Communications, 2022, 58, 957-960.	2.2	6
130	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. Materials, 2018, 11, 1755.	1.3	5
131	Mineralizationâ€Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. Angewandte Chemie, 2019, 131, 13684-13689.	1.6	5
132	Elucidating pore chemistry within metalâ€"organic frameworks <i>via</i> single crystal X-ray diffraction; from fundamental understanding to application. CrystEngComm, 2021, 23, 2185-2195.	1.3	5
133	Engineering Isoreticular 2D Metalâ€"Organic Frameworks with Inherent Structural Flexibility. Australian Journal of Chemistry, 2017, 70, 566.	0.5	4
134	Tuning Packing, Structural Flexibility, and Porosity in 2D Metalâ€"Organic Frameworks by Metal Node Choice. Australian Journal of Chemistry, 2019, 72, 797.	0.5	4
135	Gene Therapy: Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Frameworkâ€8 (ZIFâ€8) (Small 36/2019). Small, 2019, 15, 1970193.	5.2	4
136	Fatty acids as biomimetic replication agents for luminescent metalâ€"organic framework patterns. Chemical Communications, 2020, 56, 12733-12736.	2.2	4
137	Biomimetics: Metal-Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells (Adv.) Tj ETQq1 1 0.784314 rgBT /Ove	11.1	3
138	Structural modulation of the photophysical and electronic properties of pyrene-based 3D metalâ€"organic frameworks derived from s-block metals. CrystEngComm, 2021, 23, 82-90.	1.3	3
139	In Situ MOF-Templating of Rh Nanocatalysts under Reducing Conditions. Australian Journal of Chemistry, 2020, 73, 1271.	0.5	3
140	Kombination einer genetisch engineerten Oxidase mit wasserstoffbrÃ¼ckengebundenen organischen GerÃ¼sten (HOFs) fÃ¼r hocheffiziente Biokomposite. Angewandte Chemie, 2022, 134, .	1.6	3
141	Use of modulators and light to control crystallisation of a hydrogen bonded framework. Chemical Communications, 2021, 58, 306-309.	2.2	3
142	A Novel Ligand Modification and Diamond-core Molybdenum(IV) 2,6-Bis(2,2-diphenyl-2-thioethyl)pyridinate(2-) Complex. Inorganic Chemistry, 2008, 47, 11166-11170.	1.9	2
143	Staggered pillaring: a strategy to control layerâ€"layer packing and enhance porosity in MOFs. Journal of Coordination Chemistry, 2016, 69, 1802-1811.	0.8	2
144	Innentitelbild: MOFâ€onâ€MOF: Oriented Growth of Multiple Layered Thin Films of Metalâ€"Organic Frameworks (Angew. Chem. 21/2019). Angewandte Chemie, 2019, 131, 6856-6856.	1.6	1

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145	Monomeric TpPrMoVOSR complexes via the chemical reduction of TpPrMoVIOSR. Journal of Inorganic Biochemistry, 2003, 96, 202.	1.5	0
146	MOFs and Biomacromolecules for Biomedical Applications. , 2021, , 379-432.		0
147	Enzyme-powered micromotors based on hierarchical porous MOFs. Chinese Journal of Catalysis, 2022, 43, 584-585.	6.9	0
148	Selfâ€Assembly of Oriented Antibodyâ€Decorated Metalâ€"Organic Framework Nanocrystals for Activeâ€Targeting Applications (Adv. Mater. 21/2022). Advanced Materials, 2022, 34, .	11.1	0