

# C J Doonan

## List of Publications by Citations

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145  
papers

13,862  
citations

50  
h-index

117  
g-index

153  
ext. papers

15,970  
ext. citations

9.9  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
145	Synthesis, structure, and carbon dioxide capture properties of zeolitic imidazolate frameworks. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 58-67	24.3	1967
144	Multiple functional groups of varying ratios in metal-organic frameworks. <i>Science</i> , <b>2010</b> , 327, 846-50	33.3	1399
143	Biomimetic mineralization of metal-organic frameworks as protective coatings for biomacromolecules. <i>Nature Communications</i> , <b>2015</b> , 6, 7240	17.4	747
142	Exceptional ammonia uptake by a covalent organic framework. <i>Nature Chemistry</i> , <b>2010</b> , 2, 235-8	17.6	675
141	Crystalline covalent organic frameworks with hydrazone linkages. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11478-81	16.4	561
140	Crystals as molecules: postsynthesis covalent functionalization of zeolitic imidazolate frameworks. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 12626-7	16.4	558
139	Metal insertion in a microporous metal-organic framework lined with 2,2Pbipyridine. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 14382-4	16.4	463
138	Post-synthetic metalation of metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5933-51	58.5	450
137	Application of metal and metal oxide nanoparticles@MOFs. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 307, 237-254	23.2	380
136	Metal-Organic Frameworks at the Biointerface: Synthetic Strategies and Applications. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 1423-1432	24.3	363
135	Mixed-Matrix Membranes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9292-9310	16.4	347
134	Reticular synthesis of covalent organic borosilicate frameworks. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 11872-3	16.4	304
133	Isorecticular metalation of metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9492-3	16.4	248
132	Mechanisms of gold biomineralization in the bacterium <i>Cupriavidus metallidurans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17757-62	11.5	242
131	Centimetre-scale micropore alignment in oriented polycrystalline metal-organic framework films via heteroepitaxial growth. <i>Nature Materials</i> , <b>2017</b> , 16, 342-348	27	215
130	Metal-Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells. <i>Advanced Materials</i> , <b>2016</b> , 28, 7910-7914	24	192
129	Enhanced Activity of Enzymes Encapsulated in Hydrophilic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2348-2355	16.4	190

128	Enzyme encapsulation in zeolitic imidazolate frameworks: a comparison between controlled co-precipitation and biomimetic mineralisation. <i>Chemical Communications</i> , <b>2016</b> , 52, 473-6	5.8	179
127	Post-synthetic structural processing in a metal-organic framework material as a mechanism for exceptional CO <sub>2</sub> /N <sub>2</sub> selectivity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10441-8	16.4	172
126	Postsynthetic modification of a metal-organic framework for stabilization of a hemiaminal and ammonia uptake. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6853-5	5.1	165
125	Metal-Organic Frameworks for Cell and Virus Biology: A Perspective. <i>ACS Nano</i> , <b>2018</b> , 12, 13-23	16.7	159
124	Capturing snapshots of post-synthetic metallation chemistry in metal-organic frameworks. <i>Nature Chemistry</i> , <b>2014</b> , 6, 906-12	17.6	151
123	Kinetically controlled porosity in a robust organic cage material. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3746-9	16.4	122
122	An Enzyme-Coated Metal-Organic Framework Shell for Synthetically Adaptive Cell Survival. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8510-8515	16.4	120
121	Zirconium-Based Metal-Organic Framework for Removal of Perrhenate from Water. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8241-3	5.1	111
120	Biocompatibility characteristics of the metal organic framework ZIF-8 for therapeutical applications. <i>Applied Materials Today</i> , <b>2018</b> , 11, 13-21	6.6	108
119	Emerging applications of metalorganic frameworks. <i>CrystEngComm</i> , <b>2016</b> , 18, 6532-6542	3.3	108
118	Metal-Organic Framework-Based Enzyme Biocomposites. <i>Chemical Reviews</i> , <b>2021</b> , 121, 1077-1129	68.1	107
117	Control of Structure Topology and Spatial Distribution of Biomacromolecules in [email[protected]] Biocomposites. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1069-1077	9.6	101
116	Degradation of ZIF-8 in phosphate buffered saline media. <i>CrystEngComm</i> , <b>2019</b> , 21, 4538-4544	3.3	96
115	MOF-on-MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6886-6890	16.4	87
114	Enzyme Encapsulation in a Porous Hydrogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14298-14305	16.4	78
113	Protein surface functionalisation as a general strategy for facilitating biomimetic mineralisation of ZIF-8. <i>Chemical Science</i> , <b>2018</b> , 9, 4217-4223	9.4	77
112	Nature of the catalytically labile oxygen at the active site of xanthine oxidase. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4518-22	16.4	77
111	Removal of Pertechnetate-Related Oxyanions from Solution Using Functionalized Hierarchical Porous Frameworks. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17581-17584	4.8	77

110	Feasibility of Mixed Matrix Membrane Gas Separations Employing Porous Organic Cages. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 1523-1529	3.8	72
109	Highly active catalyst for CO <sub>2</sub> methanation derived from a metal organic framework template. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12990-12997	13	68
108	Synthesis and Applications of Porous Organic Cages. <i>Chemistry Letters</i> , <b>2015</b> , 44, 582-588	1.7	68
107	A 3-D diamondoid MOF catalyst based on in situ generated [Cu(L) <sub>2</sub> ] N-heterocyclic carbene (NHC) linkers: hydroboration of CO <sub>2</sub> . <i>Chemical Communications</i> , <b>2014</b> , 50, 11760-3	5.8	65
106	X-ray Crystallography in Open-Framework Materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12860-7	16.4	64
105	Molecular mimicry in mercury toxicology. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 753-9	4	62
104	Control of framework interpenetration for in situ modified hydroxyl functionalised IRMOFs. <i>Chemical Communications</i> , <b>2012</b> , 48, 10328-30	5.8	61
103	Mapping-Out Catalytic Processes in a Metal-Organic Framework with Single-Crystal X-ray Crystallography. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8412-8416	16.4	60
102	AIMs: a new strategy to control physical aging and gas transport in mixed-matrix membranes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15241-15247	13	55
101	ZnO as an Efficient Nucleating Agent for Rapid, Room Temperature Synthesis and Patterning of Zn-Based Metal-Organic Frameworks. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 690-699	9.6	55
100	Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Framework-8 (ZIF-8). <i>Small</i> , <b>2019</b> , 15, e1902268	11	54
99	Models for the molybdenum hydroxylases: synthesis, characterization and reactivity of cis-oxosulfido-Mo(VI) complexes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 305-16	16.4	54
98	Hetero-bimetallic metal-organic polyhedra. <i>Chemical Communications</i> , <b>2016</b> , 52, 276-9	5.8	52
97	Towards applications of bioentities@MOFs in biomedicine. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 429, 213651	23.2	52
96	Application of computational methods to the design and characterisation of porous molecular materials. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 3286-3301	58.5	50
95	Mixed-Matrix-Membranen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9420-9439	3.6	49
94	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). <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3255-67	4.8	49
93	Scrutinizing low-spin Cr(II) complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 6969-82	5.1	48

92	Electronic structure description of the cis-MoOS unit in models for molybdenum hydroxylases. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 55-65	16.4	46
91	Supramolecular anion recognition in water: synthesis of hydrogen-bonded supramolecular frameworks. <i>Chemical Science</i> , <b>2017</b> , 8, 3019-3025	9.4	44
90	Phase dependent encapsulation and release profile of ZIF-based biocomposites. <i>Chemical Science</i> , <b>2020</b> , 11, 3397-3404	9.4	41
89	Kinetically Controlled Porosity in a Robust Organic Cage Material. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3834-3837	3.3	40
88	New Insights into the Bergström Oxomolybdoenzyme Model. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 6430-6436	16.4	40
87	Protecting-Group-Free Site-Selective Reactions in a Metal-Organic Framework Reaction Vessel. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6416-6425	16.4	36
86	Molecular Design of Amorphous Porous Organic Cages for Enhanced Gas Storage. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 7746-7754	3.8	34
85	Isolating reactive metal-based species in Metal-Organic Frameworks - viable strategies and opportunities. <i>Chemical Science</i> , <b>2020</b> , 11, 4031-4050	9.4	34
84	Computational identification of organic porous molecular crystals. <i>CrystEngComm</i> , <b>2016</b> , 18, 4133-4141	3.3	33
83	Solvent-modified dynamic porosity in chiral 3D kagome frameworks. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7871-7873	4.3	32
82	Molybdenum X-ray absorption edges from 200 to 20,000eV: the benefits of soft X-ray spectroscopy for chemical speciation. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 157-67	4.2	32
81	Atom transfer chemistry and electrochemical behavior of Mo(VI) and Mo(V) trispyrazolylborate complexes: new mononuclear and dinuclear species. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 337, 393-406	2.7	32
80	Molecular Tectonics: A Node-and-Linker Building Block Approach to a Family of Hydrogen-Bonded Frameworks. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10006-10012	4.8	29
79	cis-Dioxomolybdenum(VI) and oxo(phosphine oxide)molybdenum(IV) complexes: steric and electronic fine-tuning of cis-[MoOS] <sub>2</sub> <sup>+</sup> precursors. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 4506-14	5.1	29
78	Carbohydrates@MOFs. <i>Materials Horizons</i> , <b>2019</b> , 6, 969-977	14.4	29
77	Modified active site coordination in a clinical mutant of sulfite oxidase. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 9421-8	16.4	28
76	An Enzyme-Coated Metal-Organic Framework Shell for Synthetically Adaptive Cell Survival. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8630-8635	3.6	27
75	Endohedrally functionalised porous organic cages. <i>Chemical Communications</i> , <b>2016</b> , 52, 8850-3	5.8	26

74	Using softer X-ray absorption spectroscopy to probe biological systems. <i>Journal of Synchrotron Radiation</i> , <b>2005</b> , 12, 392-401	2.4	26
73	Continuous-Flow Synthesis of ZIF-8 Biocomposites with Tunable Particle Size. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8123-8127	16.4	25
72	MoV electron paramagnetic resonance of sulfite oxidase revisited: the low-pH chloride signal. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 2033-8	5.1	25
71	Continuous flow synthesis of a carbon-based molecular cage macrocycle via a three-fold homocoupling reaction. <i>Chemical Communications</i> , <b>2015</b> , 51, 14231-4	5.8	22
70	Using hinged ligands to target structurally flexible copper(II) MOFs. <i>CrystEngComm</i> , <b>2013</b> , 15, 9663	3.3	22
69	Structure of the active site of sulfite dehydrogenase from <i>Starkeya novella</i> . <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 7488-92	5.1	22
68	Conversion of Copper Carbonate into a Metal-Organic Framework. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5630-5638	5.6	21
67	Molybdenum site structure of <i>Escherichia coli</i> YedY, a novel bacterial oxidoreductase. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 732-40	5.1	21
66	X-ray absorption spectroscopic characterization of the molybdenum site of <i>Escherichia coli</i> dimethyl sulfoxide reductase. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 2-4	5.1	21
65	Particle size effects in the kinetic trapping of a structurally-locked form of a flexible MOF. <i>CrystEngComm</i> , <b>2016</b> , 18, 4172-4179	3.3	21
64	Probing post-synthetic metallation in metal-organic frameworks: insights from X-ray crystallography. <i>Chemical Communications</i> , <b>2015</b> , 51, 5486-9	5.8	19
63	Interaction of product analogues with the active site of <i>rhodobacter sphaeroides</i> dimethyl sulfoxide reductase. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 3097-104	5.1	19
62	High-resolution X-ray emission spectroscopy of molybdenum compounds. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2579-81	5.1	19
61	Mapping-Out Catalytic Processes in a Metal-Organic Framework with Single-Crystal X-ray Crystallography. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8532-8536	3.6	18
60	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13550-13555	16.4	18
59	Modulation of metal-azolate frameworks for the tunable release of encapsulated glycosaminoglycans. <i>Chemical Science</i> , <b>2020</b> , 11, 10835-10843	9.4	18
58	MOF-on-MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6960-6964	3.6	17
57	Influence of nanoscale structuralisation on the catalytic performance of ZIF-8: a cautionary surface catalysis study. <i>CrystEngComm</i> , <b>2018</b> , 20, 4926-4934	3.3	17

56	Highly Active Gas Phase Organometallic Catalysis Supported Within Metal-Organic Framework Pores. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13533-13543	16.4	16
55	X-ray crystallographic insights into post-synthetic metalation products in a metal-organic framework. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	14
54	Hydrogen adsorption in azolium and metalated N-heterocyclic carbene containing MOFs. <i>CrystEngComm</i> , <b>2016</b> , 18, 7003-7010	3.3	14
53	Study of iron oxide nanoparticle phases in graphene aerogels for oxygen reduction reaction. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 15180-15186	3.6	13
52	A Unique 3D Nitrogen-Doped Carbon Composite as High-Performance Oxygen Reduction Catalyst. <i>Materials</i> , <b>2017</b> , 10,	3.5	13
51	Synthesis and characterization of monomeric oxo dichloro 1,3-dialkyl p-tert-butylcalix[4]arene complexes of molybdenum(VI,V) and tungsten(VI,V). <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 5151-5	5.1	13
50	High-Throughput Screening of Metal-Organic Frameworks for Macroscale Heteroepitaxial Alignment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40938-40950	9.5	13
49	Röntgenkristallographie an Materialien mit offenen Gerüsten. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13052-13059	9.6	12
48	Transformations Leading to the Generation of Dithiolene Ligands Initiated by Reactions of Sulfur-Rich WS <sub>2</sub> (S <sub>2</sub> CNR <sub>2</sub> ) <sub>2</sub> Complexes with Dimethyl Acetylenedicarboxylate and Phenylacetylene. <i>Organometallics</i> , <b>2000</b> , 19, 5643-5653	3.8	12
47	Can 3D electron diffraction provide accurate atomic structures of metal-organic frameworks?. <i>Faraday Discussions</i> , <b>2021</b> , 225, 118-132	3.6	12
46	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , <b>2015</b> , 27, 2201502	24	12
45	d(1) Oxosulfido-Mo(V) Compounds: First Isolation and Unambiguous Characterization of an Extended Series. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6386-96	5.1	11
44	Site-specific metal and ligand substitutions in a microporous Mn(2+)-based metal-organic framework. <i>Dalton Transactions</i> , <b>2016</b> , 45, 4431-8	4.3	11
43	Molecular Insight into Assembly Mechanisms of Porous Aromatic Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 16381-16392	3.8	11
42	Controlling the alignment of 1D nanochannel arrays in oriented metal-organic framework films for host-guest materials design. <i>Chemical Science</i> , <b>2020</b> , 11, 8005-8012	9.4	11
41	Unveiling the structural transitions during activation of a CO <sub>2</sub> methanation catalyst RuO <sub>2</sub> /ZrO <sub>2</sub> synthesised from a MOF precursor. <i>Catalysis Today</i> , <b>2021</b> , 368, 66-77	5.3	11
40	Continuous-Flow Synthesis of ZIF-8 Biocomposites with Tunable Particle Size. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8200-8204	3.6	10
39	Reprogramming Kinetic Phase Control and Tailoring Pore Environments in CuII and ZnII Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 5710-5718	3.5	10



38	Chelation-driven fluorescence deactivation in three alkali earth metal MOFs containing 2,2'-dihydroxybiphenyl-4,4'-dicarboxylate. <i>CrystEngComm</i> , <b>2013</b> , 15, 9722	3.3	9
37	Synthesis and characterization of TpiPrMoO(S2PR2) (R = Pri, Ph, OEt, OPri, (-)-mentholate) and {HB(OMe)(Pripz)2}MoO(S2PPri2), including isomers of known 1,2-borotropically-shifted complexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 1960-6	5.1	9
36	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11391-11397	16.4	9
35	Nature of halide binding to the molybdenum site of sulfite oxidase. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9406-131	3.1	8
34	Utilising hinged ligands in MOF synthesis: a covalent linking strategy for forming 3D MOFs. <i>CrystEngComm</i> , <b>2014</b> , 16, 6364-6371	3.3	7
33	Chapter 5 Inorganic Molecular Toxicology and Chelation Therapy of Heavy Metals and Metalloids. <i>Advances in Molecular Toxicology</i> , <b>2008</b> , 2, 123-152	0.4	7
32	More on Molecular Mimicry in Mercury Toxicology. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 1118-1120	4	7
31	MOF matrix isolation: cooperative conformational mobility enables reliable single crystal transformations. <i>Faraday Discussions</i> , <b>2021</b> , 225, 84-99	3.6	7
30	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <i>Materials</i> , <b>2018</b> , 11,	3.5	6
29	Isomer Interconversion Studied through Single-Crystal to Single-Crystal Transformations in a Metal-Organic Framework Matrix. <i>Organometallics</i> , <b>2019</b> , 38, 3412-3418	3.8	6
28	Encapsulation of polyoxometalates within layered metal-organic frameworks with topological and pore control. <i>CrystEngComm</i> , <b>2013</b> , 15, 9340	3.3	6
27	Postsynthetic Metalated MOFs as Atomically Dispersed Catalysts for Hydroformylation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54798-54805	9.5	6
26	Influence of the Synthesis and Storage Conditions on the Activity of Lipase B ZIF-8 Biocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	6
25	Single-Crystal-to-Single-Crystal Transformations of Metal-Organic-Framework-Supported, Site-Isolated Trigonal-Planar Cu(I) Complexes with Labile Ligands. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11775-11783	5.1	6
24	A metal-organic framework supported iridium catalyst for the gas phase hydrogenation of ethylene. <i>Chemical Communications</i> , <b>2020</b> , 56, 15313-15316	5.8	4
23	On the completeness of three-dimensional electron diffraction data for structural analysis of metal-organic frameworks. <i>Faraday Discussions</i> , <b>2021</b> , 231, 66-80	3.6	4
22	Engineering Isoreticular 2D Metal-Organic Frameworks with Inherent Structural Flexibility. <i>Australian Journal of Chemistry</i> , <b>2017</b> , 70, 566	1.2	3
21	Biomimetics: Metal-Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells (Adv. Mater. 36/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 8066-8066	24	3



20	Tuning Packing, Structural Flexibility, and Porosity in 2D Metal-Organic Frameworks by Metal Node Choice. <i>Australian Journal of Chemistry</i> , <b>2019</b> , 72, 797	1.2	3
19	Gene Therapy: Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Framework-8 (ZIF-8) (Small 36/2019). <i>Small</i> , <b>2019</b> , 15, 1970193	11	3
18	Combining Genetically Engineered Oxidase with Hydrogen Bonded Organic Framework (HOF) for Highly Efficient Biocomposites.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	3
17	Self-Assembly of Oriented Antibody-Decorated Metal-Organic Framework Nanocrystals for Active Targeting Applications. <i>Advanced Materials</i> , <b>2021</b> , e2106607	24	3
16	Insights into the Interaction between Immobilized Biocatalysts and Metal-Organic Frameworks: A Case Study of PCN-333.. <i>Jacs Au</i> , <b>2021</b> , 1, 2172-2181		3
15	In Situ MOF-Templating of Rh Nanocatalysts under Reducing Conditions. <i>Australian Journal of Chemistry</i> , <b>2020</b> , 73, 1271	1.2	3
14	Fatty acids as biomimetic replication agents for luminescent metal-organic framework patterns. <i>Chemical Communications</i> , <b>2020</b> , 56, 12733-12736	5.8	3
13	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13684-13689	3.6	2
12	A novel ligand modification and diamond-core molybdenum(IV) 2,6-bis(2,2-diphenyl-2-thioethyl)pyridinate(2-) complex. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 11166-70	5.1	2
11	Staggered pillaring: a strategy to control layer-layer packing and enhance porosity in MOFs. <i>Journal of Coordination Chemistry</i> , <b>2016</b> , 69, 1802-1811	1.6	2
10	A Facile Synthesis Procedure for Sulfonated Aniline Oligomers with Distinct Microstructures. <i>Materials</i> , <b>2018</b> , 11,	3.5	2
9	Innenteilbild: MOF-on-MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks (Angew. Chem. 21/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6856-6856	3.6	1
8	Semi-Automatic Deposition of Oriented Cu(OH) <sub>2</sub> Nanobelts for the Heteroepitaxial Growth of Metal-Organic Framework Films. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2101039	4.6	1
7	Elucidating pore chemistry within metal-organic frameworks via single crystal X-ray diffraction; from fundamental understanding to application. <i>CrystEngComm</i> , <b>2021</b> , 23, 2185-2195	3.3	1
6	Coordination modulated on-off switching of flexibility in a metal-organic framework. <i>Chemical Science</i> , <b>2021</b> , 12, 14893-14900	9.4	0
5	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11492-11498	3.6	0
4	Structural modulation of the photophysical and electronic properties of pyrene-based 3D metal-organic frameworks derived from s-block metals. <i>CrystEngComm</i> , <b>2021</b> , 23, 82-90	3.3	0
3	Enzyme-powered micromotors based on hierarchical porous MOFs. <i>Chinese Journal of Catalysis</i> , <b>2022</b> , 43, 584-585	11.3	

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