

Jorge Ar Navarro

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124
papers

6,280
citations

43
h-index

76
g-index

136
ext. papers

6,969
ext. citations

8
avg, IF

5.96
L-index

#	Paper	IF	Citations
124	Toxic gas removal--metal-organic frameworks for the capture and degradation of toxic gases and vapours. <i>Chemical Society Reviews</i> , 2014 , 43, 5419-30	58.5	715
123	Capture of nerve agents and mustard gas analogues by hydrophobic robust MOF-5 type metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11888-91	16.4	235
122	Textile/metal-organic-framework composites as self-detoxifying filters for chemical-warfare agents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6790-4	16.4	234
121	Cooperative Guest Inclusion by a Zeolite Analogue Coordination Polymer. Sorption Behavior with Gases and Amine and Group 1 Metal Salts. <i>Journal of the American Chemical Society</i> , 2001 , 123, 383-387	16.4	230
120	Highly hydrophobic isorecticular porous metal-organic frameworks for the capture of harmful volatile organic compounds. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8290-4	16.4	205
119	Simple 1:1 and 1:2 complexes of metal ions with heterocycles as building blocks for discrete molecular as well as polymeric assemblies. <i>Coordination Chemistry Reviews</i> , 2001 , 222, 219-250	23.2	197
118	Data-driven design of metal-organic frameworks for wet flue gas CO capture. <i>Nature</i> , 2019 , 576, 253-256	50.4	192
117	Tuning the adsorption properties of isorecticular pyrazolate-based metal-organic frameworks through ligand modification. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12830-43	16.4	167
116	Cation-exchange porosity tuning in anionic metal-organic frameworks for the selective separation of gases and vapors and for catalysis. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7308-11	16.4	145
115	H ₂ , N ₂ , CO, and CO ₂ sorption properties of a series of robust sodalite-type microporous coordination polymers. <i>Inorganic Chemistry</i> , 2006 , 45, 2397-9	5.1	144
114	Guest-induced modification of a magnetically active ultramicroporous, gismondine-like, copper(II) coordination network. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3978-84	16.4	140
113	Molecular architecture with metal ions, nucleobases and other heterocycles. <i>Coordination Chemistry Reviews</i> , 1999 , 185-186, 653-667	23.2	138
112	Ionic Conductivity and Potential Application for Fuel Cell of a Modified Imine-Based Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10079-10086	16.4	135
111	Adsorption of Harmful Organic Vapors by Flexible Hydrophobic Bis-pyrazolate Based MOFs. <i>Chemistry of Materials</i> , 2010 , 22, 1664-1672	9.6	128
110	Nanoscaled Zinc Pyrazolate Metal-Organic Frameworks as Drug-Delivery Systems. <i>Inorganic Chemistry</i> , 2016 , 55, 2650-63	5.1	116
109	Functionalisation of MOF open metal sites with pendant amines for CO ₂ capture. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10155		105
108	Tetranuclear coordination assemblies based on half-sandwich ruthenium(II) complexes: noncovalent binding to DNA and cytotoxicity. <i>Inorganic Chemistry</i> , 2009 , 48, 7413-20	5.1	105

107	Selective sulfur dioxide adsorption on crystal defect sites on an isorecticular metal organic framework series. <i>Nature Communications</i> , 2017 , 8, 14457	17.4	101
106	Polymorphic coordination networks responsive to CO ₂ , moisture, and thermal stimuli: porous cobalt(II) and zinc(II) fluoropyrimidinolates. <i>Chemistry - A European Journal</i> , 2008 , 14, 9890-901	4.8	82
105	First Example of Equatorial-Equatorial Disposition of End-to-End Thiocyanate Bridges in a Polynuclear Copper(II) Complex and Its Relation to the Very Efficient Transmission of the Magnetic Interaction. <i>Inorganic Chemistry</i> , 1997 , 36, 4988-4991	5.1	79
104	Chemical Warfare Agents Detoxification Properties of Zirconium Metal-Organic Frameworks by Synergistic Incorporation of Nucleophilic and Basic Sites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23967-23973	9.5	76
103	cis-[PtCl ₂ (4,7-H-5-methyl-7-oxo[1,2,4]triazolo[1,5-a]pyrimidine) ₂]: a sterically restrictive new cisplatin analogue. Reaction kinetics with model nucleobases, DNA interaction studies, antitumor activity, and structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 332-8	8.3	76
102	Crystalline fibres of a covalent organic framework through bottom-up microfluidic synthesis. <i>Chemical Communications</i> , 2016 , 52, 9212-5	5.8	73
101	Mineralomimetic sodalite- and muscovite-type coordination frameworks. Dynamic crystal-to-crystal interconversion processes sensitive to ion pair recognition. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3014-5	16.4	69
100	Chiral pyrimidine metallacalixarenes: synthesis, structure and host-guest chemistry. <i>Chemistry - A European Journal</i> , 2003 , 9, 4414-21	4.8	67
99	Soft functional polynuclear coordination compounds containing pyrimidine bridges. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2436-2451	3.3	67
98	Adsorptive capturing and storing greenhouse gases such as sulfur hexafluoride and carbon tetrafluoride using metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2012 , 156, 115-120	5.3	66
97	A soft copper(II) porous coordination polymer with unprecedented aqua bridge and selective adsorption properties. <i>Chemistry - A European Journal</i> , 2012 , 18, 13117-25	4.8	62
96	Study of the biological effects and DNA damage exerted by a new dipalladium-Hmtpo complex on human cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2002 , 90, 51-60	4.2	61
95	Improved CO ₂ Capture from Flue Gas by Basic Sites, Charge Gradients, and Missing Linker Defects on Nickel Face Cubic Centered MOFs. <i>Advanced Functional Materials</i> , 2014 , 24, 6130-6135	15.6	59
94	[(Ethylenediamine)Pt(uracilate)](4), a Metal Analogue of Calix[4]arene. Coordination and Anion Host-Guest Chemistry Related to Its Conformational Dynamics. <i>Inorganic Chemistry</i> , 1999 , 38, 426-432	5.1	56
93	1D-2D-3D Transformation Synthesis of Hierarchical Metal-Organic Framework Adsorbent for Multicomponent Alkane Separation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 819-828	16.4	54
92	Binuclear Platinum(II) Triazolopyrimidine Bridged Complexes. Preparation, Crystal Structure, NMR Spectroscopy, and ab Initio MO Investigation on the Bonding Nature of the Pt(II)⋯Pt(II) Interaction in the Model Compound {Pt ₂ [NHCHN(C(CH ₂)(CH ₃))] ₄ }. <i>Inorganic Chemistry</i> , 1996 , 35, 7829-7835	5.1	52
91	Highly Hydrophobic Isorecticular Porous Metal-Organic Frameworks for the Capture of Harmful Volatile Organic Compounds. <i>Angewandte Chemie</i> , 2013 , 125, 8448-8452	3.6	49
90	Design and non-covalent DNA binding of platinum(II) metallacalix[4]arenes. <i>Chemistry - A European Journal</i> , 2007 , 13, 5075-81	4.8	49

89	Self-assembly of palladium(II) and platinum(II) complexes of 2-hydroxypyrimidine to novel metallacalix[4]arenes. Receptor properties through multiple H-bonding interactions. <i>Inorganic Chemistry</i> , 2000 , 39, 2301-5	5.1	48
88	Study of the incorporation and release of the non-conventional half-sandwich ruthenium(II) metallodrug RAPTA-C on a robust MOF. <i>Chemical Communications</i> , 2011 , 47, 11751-3	5.8	47
87	Manganese(II) pyrimidine-4,6-dicarboxylates: synthetic, structural, magnetic, and adsorption insights. <i>Inorganic Chemistry</i> , 2008 , 47, 5267-77	5.1	45
86	Borderline microporous/ultramicroporous palladium(II) coordination polymer networks. Effect of pore functionalisation on gas adsorption properties. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1939-1946		45
85	A flexible pro-porous coordination polymer: non-conventional synthesis and separation properties towards CO(2)/CH(4) mixtures. <i>Chemistry - A European Journal</i> , 2010 , 16, 931-7	4.8	44
84	Discovery of an Optimal Porous Crystalline Material for the Capture of Chemical Warfare Agents. <i>Chemistry of Materials</i> , 2018 , 30, 4571-4579	9.6	43
83	Molecular architecture of redox-active half-sandwich Ru(II) cyclic assemblies. Interactions with biomolecules and anticancer activity. <i>CrystEngComm</i> , 2010 , 12, 2343	3.3	43
82	A palladium metallacalix[4]arene capped with a gadolinium atom. <i>Chemical Communications</i> , 2000 , 235-238	5.3	43
81	Metal-Organic Frameworks Containing Missing-Linker Defects Leading to High Hydroxide-Ion Conductivity. <i>Chemistry - A European Journal</i> , 2016 , 22, 1646-51	4.8	41
80	Formation of heterotopic metallacalix[n]arenes (n=3, 4, 6) containing ethylenediaminepalladium(II) metal fragments and 4,7-phenanthroline and 2-pyrimidinolate bridges. Synthesis, structure and host-guest chemistry. <i>Dalton Transactions</i> , 2004 , 2780-5	4.3	41
79	A Recyclable Metal-Organic Framework as a Dual Detector and Adsorbent for Ammonia. <i>Chemistry - A European Journal</i> , 2017 , 23, 13602-13606	4.8	40
78	Rich Structural and Magnetic Chemistry of Cobalt(II) Pyrimidin-2-olate and Pyrimidin-4-olate Complexes. Synthesis, X-ray Powder Diffraction Studies, and Thermal Behavior. <i>Chemistry of Materials</i> , 2003 , 15, 2153-2160	9.6	39
77	Influence of anions and crystallisation conditions on the solid-state structure of some binuclear silver(I) complexes supported by triazolopyrimidine bridges. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 901-904		36
76	Kinetically and Thermodynamically Controlled Formation of Homo- and Heterobinuclear Platinum(II) and Palladium(II) Complexes Supported by Bidentate Triazolopyrimidine Ligands. <i>Inorganic Chemistry</i> , 1997 , 36, 3277-3283	5.1	34
75	Textile/Metal-Organic-Framework Composites as Self-Detoxifying Filters for Chemical-Warfare Agents. <i>Angewandte Chemie</i> , 2015 , 127, 6894-6898	3.6	33
74	Mononucleotide recognition by cyclic trinuclear palladium(II) complexes containing 4,7-phenanthroline N,N bridges. <i>Dalton Transactions</i> , 2004 , 1563-6	4.3	33
73	[(Ethylenediamine)Pt(uracilate)] ₄ [A Metal Analogue of Calix[4]arene: Coordination Chemistry of Its 1,3-Alternate Conformer towards First-Row Transition-Metal Ions 2000 , 2000, 147-151		33
72	[Cu(4-oxypyrimidinate) ₂ · nH ₂ O] _n a robust sodalite type metal-organic framework exhibiting a rich host-guest chemistry. <i>Polyhedron</i> , 2003 , 22, 3051-3057	2.7	32

71	Ligand modified cellulose fabrics as support of zinc oxide nanoparticles for UV protection and antimicrobial activities. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 1215-1226	7.9	32
70	Tuning the structural and magnetic properties of thermally robust coordination polymers. <i>Inorganic Chemistry</i> , 2006 , 45, 7612-20	5.1	31
69	Magnesium Exchanged Zirconium Metal-Organic Frameworks with Improved Detoxification Properties of Nerve Agents. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11801-11805	16.4	30
68	Preparation and structural characterization of a series of ternary palladium(II) binuclear complexes containing triazolopyrimidinate bridges. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 1001-1006		29
67	Palladium nanoparticles supported on a nickel pyrazolate metal organic framework as a catalyst for Suzuki and carbonylative Suzuki couplings. <i>Dalton Transactions</i> , 2016 , 45, 13525-31	4.3	29
66	Biophysical characterisation, antitumor activity and MOF encapsulation of a half-sandwich ruthenium(II) mitoxantronate system. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2473-2477	7.3	28
65	A Highly Water-Stable -Carborane-Based Copper Metal-Organic Framework for Efficient High-Temperature Butanol Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8299-8311	16.4	27
64	Selective One-Pot Two-Step C-C Bond Formation using Metal-Organic Frameworks with Mild Basicity as Heterogeneous Catalysts. <i>ChemCatChem</i> , 2017 , 9, 4019-4023	5.2	26
63	Thermally induced interconversions of metal-pyrimidine-4,6-dicarboxylate polymers: a structural, spectroscopic, and magnetic study. <i>Inorganic Chemistry</i> , 2009 , 48, 3087-94	5.1	26
62	Biporous Metal-Organic Framework with Tunable CO/CH Separation Performance Facilitated by Intrinsic Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36144-36156	9.5	26
61	Cation Exchange Strategy for the Encapsulation of a Photoactive CO-Releasing Organometallic Molecule into Anionic Porous Frameworks. <i>Inorganic Chemistry</i> , 2016 , 55, 6525-31	5.1	25
60	Cation-Exchange Porosity Tuning in Anionic Metal-Organic Frameworks for the Selective Separation of Gases and Vapors and for Catalysis. <i>Angewandte Chemie</i> , 2010 , 122, 7466-7469	3.6	25
59	The Effect of Backfilling Materials on the Deformation of Coal and Rock Strata Containing Multiple Goaf: A Numerical Study. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 224	2.4	25
58	Extraction and characterization of nanocellulose from three types of palm residues. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 526-537	5.5	24
57	Variation of Structures of Coordination Polymers of Ca(II), Sr(II), and Ba(II) with a Tripodal Ligand: Synthesis, Structural, and Gas Adsorption Studies. <i>Crystal Growth and Design</i> , 2008 , 8, 1554-1558	3.5	23
56	From simple trans-[a ₂ Pt(2-hydroxypyrimidine) ₂] ₂ ⁺ (a = NH ₃ , CH ₃ NH ₂) complexes to structures of higher complexity. Molecular recognition of 2-aminopyrimidine by hydrogen bond formation and reactivity toward additional metal ions. <i>Inorganic Chemistry</i> , 2000 , 39, 1059-65	5.1	23
55	Rational Design of Noncovalent Diamondoid Microporous Materials for Low-Energy Separation of C-Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15031-15037	16.4	23
54	RAPTA-C incorporation and controlled delivery from MIL-100(Fe) nanoparticles. <i>New Journal of Chemistry</i> , 2016 , 40, 5690-5694	3.6	22

53	Metalorganic frameworks based on the 1,4-bis(5-tetrazolyl) benzene ligand: The Ag and Cu derivatives. <i>Inorganica Chimica Acta</i> , 2009 , 362, 4340-4346	2.7	22
52	Polymeric silver(I) complexes of the multinucleating ligand 4,7-dihydro-5-methyl-7-oxo-[1,2,4]triazolo[1,5-a]pyrimidine. Analogous hydrogen-bonded structures in the crystal and vapour phases of the ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 2321-2326		22
51	Quest for Second-Harmonic-Generation-Active Coordination Polymers: Synthesis and Properties of Silver(I) Pyrimidinolates. <i>Chemistry of Materials</i> , 2005 , 17, 4815-4824	9.6	22
50	Coordination frameworks containing the pyrimidin-4-olate ligand. Synthesis, thermal, magnetic, and ab initio XRPD structural characterization of nickel and zinc derivatives. <i>Inorganic Chemistry</i> , 2004 , 43, 473-81	5.1	22
49	A vanadium(IV) pyrazolate metal-organic polyhedron with permanent porosity and adsorption selectivity. <i>Chemical Communications</i> , 2015 , 51, 14724-7	5.8	21
48	Ternary copper(II) complexes with the versatile 4,7-dihydro-5-methyl-7-oxo-[1,2,4]triazolo[1,5-a]pyridine ligand. <i>Inorganica Chimica Acta</i> , 1998 , 274, 53-63	2.7	21
47	Bioactive molecule encapsulation on metal-organic framework via simple mechanochemical method for controlled topical drug delivery systems. <i>Microporous and Mesoporous Materials</i> , 2020 , 302, 110199	5.3	19
46	A post-synthetic approach triggers selective and reversible sulphur dioxide adsorption on a metal-organic framework. <i>Chemical Communications</i> , 2018 , 54, 9063-9066	5.8	19
45	The Carbonation of Wollastonite: A Model Reaction to Test Natural and Biomimetic Catalysts for Enhanced CO ₂ Sequestration. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 209	2.4	19
44	Aluminum Doped MCM-41 Nanoparticles as Platforms for the Dual Encapsulation of a CO-Releasing Molecule and Cisplatin. <i>Inorganic Chemistry</i> , 2017 , 56, 10474-10480	5.1	19
43	Mixed complexes of 5-nitrosouracil derivatives: Synthesis and structural study of 6-amino-1,3-dimethyl-5-nitrosouracilato (N5,N6)-aqua-2,2'-bipyridine (N,N')-copper(II) perchlorate hydrate and 2,2'-bipyridine (N,N')-chloro-1,3-dimethylviolurato (N5,O6)-copper(II) hemihydrate. <i>Polyhedron</i> , 1998 , 17, 1747-1753	2.7	19
42	Heterometallic Titanium-Organic Frameworks as Dual-Metal Catalysts for Synergistic Non-buffered Hydrolysis of Nerve Agent Simulants. <i>Chem</i> , 2020 , 6, 3118-3131	16.2	17
41	Electrochemically and photochemically active Palladium(II) heterotopic metallacalix[3]arenes. <i>Chemical Communications</i> , 2008 , 3735-7	5.8	16
40	Pd(II)/Ni(II) Pyrazolate Framework as Active and Recyclable Catalyst for the Hydroamination of Terminal Alkynes. <i>Topics in Catalysis</i> , 2018 , 61, 1414-1423	2.3	15
39	Structural and magnetic properties of layered copper(II) coordination polymers intercalating s and f metal ions. <i>Inorganic Chemistry</i> , 2007 , 46, 2988-97	5.1	15
38	Heteroleptic pyrimidine-2-olate and 4,4[prime or minute]-bipyridine copper(II) layered metal-organic frameworks with swelling properties. <i>Dalton Transactions</i> , 2005 , 1743-6	4.3	15
37	The dynamic art of growing COF crystals. <i>Science</i> , 2018 , 361, 35	33.3	15
36	One-pot preparation of a novel CO-releasing material based on a CO-releasing molecule@metal-organic framework system. <i>Chemical Communications</i> , 2017 , 53, 6581-6584	5.8	14

35	Structure, spectroscopic properties, and reversible solid-to-solid reactions of metal complexes of 5-nitro-pyrimidin-2-olate. <i>Inorganic Chemistry</i> , 2005 , 44, 1472-81	5.1	14
34	Biochemical and ultrastructural alterations caused by newly synthesized 1,2,4-triazole[1,5a]pyrimidine derivatives against <i>Phytomonas staheli</i> (Trypanosomatidae). <i>Toxicology in Vitro</i> , 2000 , 14, 487-95	3.6	14
33	BioMOF@cellulose fabric composites for bioactive molecule delivery. <i>Journal of Inorganic Biochemistry</i> , 2019 , 201, 110818	4.2	13
32	In vitro evaluation of newly synthesised [1,2,4]triazolo[1,5a]pyrimidine derivatives against <i>Trypanosoma cruzi</i> , <i>Leishmania donovani</i> and <i>Phytomonas staheli</i> . <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 2000 , 126, 39-44		13
31	High-Performance CO-Selective Hybrid Membranes by Exploiting MOF-Breathing Effects. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2952-2961	9.5	13
30	Multifunctionality in an Ion-Exchanged Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1365-1376	16.4	13
29	Catalytically Active Imine-based Covalent Organic Frameworks for Detoxification of Nerve Agent Simulants in Aqueous Media. <i>Materials</i> , 2019 , 12,	3.5	11
28	One-dimensional compounds containing copper(II) ions symmetrically bridged by 2-oxo-pyrimidinate. Crystal structure and magnetic behaviour. <i>Inorganica Chimica Acta</i> , 2001 , 318, 166-170	2.7	11
27	Mixed-Metal Cerium/Zirconium MOFs with Improved Nerve Agent Detoxification Properties. <i>Inorganic Chemistry</i> , 2020 , 59, 16160-16167	5.1	9
26	A highly porous interpenetrated MOF-5-type network based on bipyrazolate linkers. <i>CrystEngComm</i> , 2013 , 15, 9352	3.3	9
25	Cyclic tetranuclear half-sandwich ruthenium(II) complexes with 4,7-phenanthroline and hydroxo bridges: crystal structure, solution behaviour and binding to nucleosides. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1025-32	4.2	8
24	Robust metal-organic frameworks for dry and wet biogas upgrading. <i>Applied Materials Today</i> , 2021 , 22, 100933	6.6	8
23	Design of Shape-Palladium Nanoparticles Anchored on Titanium(IV) Metal-Organic Framework: Highly Active Catalysts for Reduction of p-Nitrophenol in Water. <i>ChemistrySelect</i> , 2018 , 3, 7934-7939	1.8	7
22	Spanish Poplar Biomass as a Precursor for Nanocellulose Extraction. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6863	2.6	7
21	Cyclic assemblies formed by metal ions, pyrimidines and isogeometrical heterocycles: DNA binding properties and antitumour activity. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1027-1030	2.7	6
20	From 1D homoleptic to 2D heteroleptic pillared coordination polymers containing oxonato bridges. <i>Inorganica Chimica Acta</i> , 2011 , 371, 79-87	2.7	6
19	[Re2(micro-1,2,4-triazolate)2(micro-OH)(CO)6]-: a novel metalloligand for the construction of flexible porous coordination networks. <i>Dalton Transactions</i> , 2008 , 1825-7	4.3	6
18	CpTiCl ₃ -Catalyzed Cross-Coupling between Internal Alkynes and Ketones: A Novel Concept in the Synthesis of Halogenated, Conjugated Dienes. <i>Chemistry - A European Journal</i> , 2020 , 26, 8296-8301	4.8	5

17	Impact of Pore Size and Defects on the Selective Adsorption of Acetylene in Alkyne-Functionalized Nickel(II)-Pyrazolate-Based MOFs. <i>Chemistry - A European Journal</i> , 2021 , 27, 11837-11844	4.8	5
16	Metal-organic frameworks for the removal of the emerging contaminant atenolol under real conditions. <i>Dalton Transactions</i> , 2021 , 50, 2493-2500	4.3	5
15	Separation and Purification of Gases by MOFs 2011 , 69-97		4
14	Impact of Defects on Pyrazolate Based Metal Organic Frameworks. <i>Israel Journal of Chemistry</i> , 2018 , 58, 1112-1118	3.4	4
13	Biomimetic 1-Aminocyclopropane-1-Carboxylic Acid Oxidase Ethylene Production by MIL-100(Fe)-Based Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34053-34058	9.5	3
12	Microfluidic-based Synthesis of Covalent Organic Frameworks (COFs): A Tool for Continuous Production of COF Fibers and Direct Printing on a Surface. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
11	Layer-by-Layer Integration of Zirconium Metal-Organic Frameworks onto Activated Carbon Spheres and Fabrics with Model Nerve Agent Detoxification Properties. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50491-50496	9.5	3
10	Chlorination of a Zeolitic-Imidazolate Framework Tunes Packing and van der Waals Interaction of Carbon Dioxide for Optimized Adsorptive Separation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4962-4968	16.4	3
9	MOFs for the Capture and Degradation of Chemical Warfare Agents 2018 , 199-221		2
8	[Mn ₂ (Fpymo) ₄ (H ₂ O) ₄]: Synthesis, structure, magnetism and thermally induced solid-to-solid polymerisation reactions. <i>Inorganica Chimica Acta</i> , 2007 , 360, 84-90	2.7	2
7	HKUST-1 Metal-Organic Framework Nanoparticle/Graphene Oxide Nanocomposite Aerogels for CO ₂ and CH ₄ Adsorption and Separation. <i>ACS Applied Nano Materials</i> ,	5.6	2
6	Efficient hexane isomers separation in isorecticular bipyrazolate metal-organic frameworks: The role of pore functionalization. <i>Nano Research</i> , 2021 , 14, 532-540	10	2
5	Preparation and Characterization of Solid Co(II) Pyrimidinolates in a Multifaceted Undergraduate Laboratory Experiment. <i>Journal of Chemical Education</i> , 2008 , 85, 422	2.4	1
4	Diffusion Control in Single-Site Zinc Reticular Amination Catalysts. <i>Inorganic Chemistry</i> , 2020 , 59, 18168-18173	5.1	1
3	Platinum Group Metal-Organic Frameworks 2016 , 203-230		
2	Innentitelbild: Textile/Metal-Organic-Framework Composites as Self-Detoxifying Filters for Chemical-Warfare Agents (Angew. Chem. 23/2015). <i>Angewandte Chemie</i> , 2015 , 127, 6754-6754	3.6	
1	The Aza Diels-Alder Reaction on Brominated Conjugated Dienes. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2003-2005	3.2	