Volodymyr Bon

List of Publications by Citations

147 papers	6,278 citations	35 h-index	77 g-index
162 ext. papers	7,325 ext. citations	7.2 avg, IF	6.07 L-index

#	Paper	IF	Citations
147	Flexible metal-organic frameworks. *Chemical Society Reviews*, **2014**, 43, 6062-96	58.5	1372
146	Understanding activity and selectivity of metal-nitrogen-doped carbon catalysts for electrochemical reduction of CO. *Nature Communications*, **2017**, 8, 944	17.4	604
145	A pressure-amplifying framework material with negative gas adsorption transitions. *Nature*, **2016**, 532, 348-52	50.4	380
144	Zr- and Hf-Based Metal□rganic Frameworks: Tracking Down the Polymorphism. *Crystal Growth and Design*, **2013**, 13, 1231-1237	3.5	205
143	Balancing Mechanical Stability and Ultrahigh Porosity in Crystalline Framework Materials. *Angewandte Chemie - International Edition*, **2018**, 57, 13780-13783	16.4	176
142	A highly porous metal-organic framework, constructed from a cuboctahedral super-molecular building block, with exceptionally high methane uptake. *Chemical Communications*, **2012**, 48, 10841-3	5.8	170
141	Crystallographic insights into (CH3NH3)3(Bi2I9): a new lead-free hybrid organic-inorganic material as a potential absorber for photovoltaics. *Chemical Communications*, **2016**, 52, 3058-60	5.8	167
140	Tailoring of network dimensionality and porosity adjustment in Zr- and Hf-based MOFs. *CrystEngComm*, **2013**, 15, 9572	3.3	162
139	Zr(IV) and Hf(IV) based metal-organic frameworks with reo-topology. *Chemical Communications*, **2012**, 48, 8407-9	5.8	156
138	Application of a chiral metal-organic framework in enantioselective separation. *Chemical Communications*, **2011**, 47, 12089-91	5.8	145
137	A new metal-organic framework with ultra-high surface area. *Chemical Communications*, **2014**, 50, 3450-2	5.8	130
136	Proline Functionalized UiO-67 and UiO-68 Type Metal□rganic Frameworks Showing Reversed Diastereoselectivity in Aldol Addition Reactions. *Chemistry of Materials*, **2016**, 28, 2573-2580	9.6	119
135	Heterometallic Co(III)4Fe(III)2 Schiff base complex: structure, electron paramagnetic resonance, and alkane oxidation catalytic activity. *Inorganic Chemistry*, **2012**, 51, 9110-22	5.1	113
134	Dye encapsulation inside a new mesoporous metal-organic framework for multifunctional solvatochromic-response function. *Chemistry - A European Journal*, **2012**, 18, 13299-303	4.8	81
133	The effect of crystallite size on pressure amplification in switchable porous solids. *Nature Communications*, **2018**, 9, 1573	17.4	71
132	Exceptional adsorption-induced cluster and network deformation in the flexible metal-organic framework DUT-8(Ni) observed by in situ X-ray diffraction and EXAFS. *Physical Chemistry Chemical Physics*, **2015**, 17, 17471-9	3.6	69
131	Integration of accessible secondary metal sites into MOFs for H2S removal. *Inorganic Chemistry Frontiers*, **2014**, 1, 325-330	6.8	66

130	Metal□rganic frameworks in Germany: From synthesis to function. *Coordination Chemistry Reviews*, **2019**, 380, 378-418	23.2	65
129	A Stimuli-Responsive Zirconium Metal-Organic Framework Based on Supermolecular Design. *Angewandte Chemie - International Edition*, **2017**, 56, 10676-10680	16.4	57
128	Assembly of metal-organic polyhedra into highly porous frameworks for ethene delivery. *Chemical Communications*, **2015**, 51, 1046-9	5.8	56
127	Tailoring adsorption induced phase transitions in the pillared-layer type metal-organic framework DUT-8(Ni). *Dalton Transactions*, **2017**, 46, 4685-4695	4.3	54
126	Tolerance of Flexible MOFs toward Repeated Adsorption Stress. *ACS Applied Materials & Interfaces*, **2015**, 7, 22292-300	9.5	54
125	Illuminating solid gas storage in confined spaces - methane hydrate formation in porous model carbons. *Physical Chemistry Chemical Physics*, **2016**, 18, 20607-14	3.6	51
124	Four-dimensional metal-organic frameworks. *Nature Communications*, **2020**, 11, 2690	17.4	50
123	Postsynthetic Inner-Surface Functionalization of the Highly Stable Zirconium-Based Metal-Organic Framework DUT-67. *Inorganic Chemistry*, **2016**, 55, 7206-13	5.1	50
122	In situ monitoring of structural changes during the adsorption on flexible porous coordination polymers by X-ray powder diffraction: Instrumentation and experimental results. *Microporous and Mesoporous Materials*, **2014**, 188, 190-195	5.3	49
121	Tuning the gate-opening pressure and particle size distribution of the switchable metal-organic framework DUT-8(Ni) by controlled nucleation in a micromixer. *Dalton Transactions*, **2017**, 46, 14002-14011	4.3	47
120	Towards general network architecture design criteria for negative gas adsorption transitions in ultraporous frameworks. *Nature Communications*, **2019**, 10, 3632	17.4	46
119	Unraveling Structure and Dynamics in Porous Frameworks via Advanced In Situ Characterization Techniques. *Advanced Functional Materials*, **2020**, 30, 1907847	15.6	45
118	Postsynthetic Paddle-Wheel Cross-Linking and Functionalization of 1,3-Phenylenebis(azanetriyl)tetrabenzoate-Based MOFs. *Chemistry of Materials*, **2015**, 27, 2460-2467	9.6	41
117	Novel heterometallic Schiff base complexes featuring unusual tetranuclear {Co(III)2Fe(III)2(□O)6} and octanuclear {Co(III)4Fe(III)4(□O)14} cores: direct synthesis, crystal structures, and magnetic properties. *Inorganic Chemistry*, **2012**, 51, 386-96	5.1	41
116	In situ observation of gating phenomena in the flexible porous coordination polymer Zn2(BPnDC)2(bpy) (SNU-9) in a combined diffraction and gas adsorption experiment. *Inorganic Chemistry*, **2014**, 53, 1513-20	5.1	40
115	Adsorption Contraction Mechanics: Understanding Breathing Energetics in Isoreticular Metal□rganic Frameworks. *Journal of Physical Chemistry C*, **2018**, 122, 19171-19179	3.8	39
114	In Situ Monitoring of Unique Switching Transitions in the Pressure-Amplifying Flexible Framework Material DUT-49 by High-Pressure 129Xe NMR Spectroscopy. *Journal of Physical Chemistry C*, **2017**, 121, 5195-5200	3.8	37
113	Vapochromic Luminescence of a Zirconium-Based Metal□rganic Framework for Sensing Applications. *European Journal of Inorganic Chemistry*, **2016**, 2016, 4483-4489	2.3	37

112	Characteristics of flexibility in metal-organic framework solid solutions of composition [Zn2(BME-bdc)x(DB-bdc)2−xdabco]n: In situ powder X-ray diffraction, in situ NMR spectroscopy, and molecular dynamics simulations. *Microporous and Mesoporous Materials*, **2015**, 216, 64-74	5.3	35
111	Magnetization relaxation in the single-ion magnet DyScN@C: quantum tunneling, magnetic dilution, and unconventional temperature dependence. *Physical Chemistry Chemical Physics*, **2018**, 20, 11656-11672	3.6	35
110	Raman spectroscopy studies of the terahertz vibrational modes of a DUT-8 (Ni) metal-organic framework. *Physical Chemistry Chemical Physics*, **2017**, 19, 32099-32104	3.6	35
109	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal−organic frameworks DUT-8(Co) and DUT-8(Ni). *Journal of Materials Chemistry A*, **2019**, 7, 21459-21475	13	34
108	Towards highly active and stable nickel-based metal-organic frameworks as ethylene oligomerization catalysts. *Dalton Transactions*, **2019**, 48, 3415-3421	4.3	32
107	Zn and Co redox active coordination polymers as efficient electrocatalysts. *Dalton Transactions*, **2019**, 48, 3601-3609	4.3	29
106	EPR Insights into Switchable and Rigid Derivatives of the Metal−Organic Framework DUT-8(Ni) by NO Adsorption. *Journal of Physical Chemistry C*, **2016**, 120, 14246-14259	3.8	29
105	Experimental Evidence of Confined Methane Hydrate in Hydrophilic and Hydrophobic Model Carbons. *Journal of Physical Chemistry C*, **2019**, 123, 24071-24079	3.8	28
104	Tunable Flexibility and Porosity of the Metal−Organic Framework DUT-49 through Postsynthetic Metal Exchange. *Chemistry of Materials*, **2020**, 32, 889-896	9.6	28
103	Indefinitely stable iron(IV) cage complexes formed in water by air oxidation. *Nature Communications*, **2017**, 8, 14099	17.4	27
102	Metal-organic frameworks for energy-related applications. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 4, 44-49	7.9	27
101	Conformational isomerism controls collective flexibility in metal-organic framework DUT-8(Ni). *Physical Chemistry Chemical Physics*, **2019**, 21, 674-680	3.6	27
100	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear CuII2FeIII2 complexes obtained by direct synthesis. *Dalton Transactions*, **2013**, 42, 16909-19	4.3	27
99	Insights into the water adsorption mechanism in the chemically stable zirconium-based MOF DUT-67 − a prospective material for adsorption-driven heat transformations. *Journal of Materials Chemistry A*, **2019**, 7, 12681-12690	13	26
98	Tuning the flexibility in MOFs by SBU functionalization. *Dalton Transactions*, **2016**, 45, 4407-15	4.3	26
97	High-Pressure in Situ 129Xe NMR Spectroscopy: Insights into Switching Mechanisms of Flexible Metal−Organic Frameworks Isoreticular to DUT-49. *Chemistry of Materials*, **2019**, 31, 6193-6201	9.6	24
96	Structural diversity of cobalt(II) coordination compounds involving bent imidazole ligand: A route from 0D dimer to 3D coordination polymer. *Polyhedron*, **2012**, 44, 179-186	2.7	24
95	3D Ni and Co redox-active metal-organic frameworks based on ferrocenyl diphosphinate and 4,4'-bipyridine ligands as efficient electrocatalysts for the hydrogen evolution reaction. *Dalton Transactions*, **2020**, 49, 2794-2802	4.3	23

94	Synthesis, structural and spectral characterization of Zn(II) complexes, derived from thiourea and thiosemicarbazide. *Inorganica Chimica Acta*, **2012**, 382, 127-138	2.7	23
93	Nanocasting in ball mills: combining ultra-hydrophilicity and ordered mesoporosity in carbon materials. *Journal of Materials Chemistry A*, **2018**, 6, 859-865	13	22
92	A family of 2D and 3D coordination polymers involving a trigonal tritopic linker. *Dalton Transactions*, **2012**, 41, 4172-9	4.3	22
91	Mechanische Stabilität versus ultrahohe Porosität in kristallinen Netzwerkmaterialien: ein Balanceakt!. *Angewandte Chemie*, **2018**, 130, 13976-13979	3.6	22
90	A series of amide functionalized isoreticular metal organic frameworks. *Microporous and Mesoporous Materials*, **2014**, 194, 115-125	5.3	21
89	Crystal Engineering of Phenylenebis(azanetriyl))tetrabenzoate Based Metal–Organic Frameworks for Gas Storage Applications. *Crystal Growth and Design*, **2017**, 17, 3221-3228	3.5	19
88	Topological control of 3,4-connected frameworks based on the Cu2-paddle-wheel node: tbo or pto, and why?. *CrystEngComm*, **2016**, 18, 8164-8171	3.3	19
87	Anion Exchange and Catalytic Functionalization of the Zirconium-Based Metal–Organic Framework DUT-67. *Crystal Growth and Design*, **2018**, 18, 5492-5500	3.5	19
86	Insights into the role of zirconium in proline functionalized metal-organic frameworks attaining high enantio- and diastereoselectivity. *Journal of Catalysis*, **2019**, 377, 41-50	7.3	19
85	The impact of crystal size and temperature on the adsorption-induced flexibility of the Zr-based metal-organic framework DUT-98. *Beilstein Journal of Nanotechnology*, **2019**, 10, 1737-1744	3	18
84	Square-planar 1:2 Ni(II) and Pd(II) complexes with different coordination mode of salicylaldehyde (4)-phenylthiosemicarbazone: Synthesis, structure and spectral properties. *Journal of Molecular Structure*, **2010**, 984, 15-22	3.4	18
83	Adaptive response of a metal-organic framework through reversible disorder-disorder transitions. *Nature Chemistry*, **2021**, 13, 568-574	17.6	18
82	Engineering micromechanics of soft porous crystals for negative gas adsorption. *Chemical Science*, **2020**, 11, 9468-9479	9.4	16
81	Novel zirconium (IV) and hafnium (IV) phthalocyanines with dibenzoylmethane as out-of-plane ligand: Synthesis, X-ray structure and fluorescent properties. *Dyes and Pigments*, **2012**, 94, 187-194	4.6	15
80	Novel Pd(II) coordination compounds involving 2-[(2-hydroxyphenyl)methylene]hydrazine-N-(2-propenyl)-carbothioamide as a ligand or pro-ligand: Synthesis, crystal structures and analytical application. *Polyhedron*, **2013**, 51, 211-221	2.7	15
79	Optical Sensors Using Solvatochromic Metal-Organic Frameworks. *Inorganic Chemistry*, **2017**, 56, 14164-14169	5.1	15
78	Tailoring the Adsorption-Induced Flexibility of a Pillared Layer Metal–Organic Framework DUT-8(Ni) by Cobalt Substitution. *Chemistry of Materials*, **2020**, 32, 5670-5681	9.6	14
77	Impact of Defects and Crystal Size on Negative Gas Adsorption in DUT-49 Analyzed by Xe NMR Spectroscopy. *Chemistry of Materials*, **2020**, 32, 4641-4650	9.6	14

76	CFA-4 - a fluorinated metal-organic framework with exchangeable interchannel cations. *Dalton Transactions*, **2017**, 46, 6745-6755	4.3	13
75	The modulator driven polymorphism of Zr(IV) based metal-organic frameworks. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	13
74	Synthesis of the homochiral metal□organic framework DUT-129 based on a chiral dicarboxylate linker with 6 stereocenters. *CrystEngComm*, **2017**, 19, 2494-2499	3.3	13
73	The role of temperature and adsorbate on negative gas adsorption transitions of the mesoporous metal-organic framework DUT-49. *Faraday Discussions*, **2021**, 225, 168-183	3.6	13
72	New 1D chiral Zr-MOFs based on in situ imine linker formation as catalysts for asymmetric C C coupling reactions. *Journal of Catalysis*, **2020**, 386, 106-116	7.3	12
71	Novel Fe(III), Co(III), Ni(II), Cu(II) coordination compounds involving 2-[(2-hydroxyphenyl)methylene]hydrazine-N-(2-propenyl)-carbothioamide as ligand: Synthesis, crystal structures and spectral characteristics. *Inorganica Chimica Acta*, **2014**, 423, 496-503	2.7	12
70	Copolymerisation at work: the first example of a highly porous MOF comprising a triarylborane-based linker. *CrystEngComm*, **2015**, 17, 307-312	3.3	11
69	Facile synthesis of Cu(II) complexes of mono- and bicondensed N donor Schiff base 1H-pyrazolate ligands: Crystal structures, spectroscopic and magnetic properties. *Polyhedron*, **2012**, 37, 77-84	2.7	11
68	Synthesis and spectroscopic investigations of Rh(III) and Pd(II) complex compounds with N-(pyridine-2-yl)morpholine-4-carbothioamide. *Polyhedron*, **2007**, 26, 2935-2941	2.7	11
67	In Situ Imine-Based Linker Formation for the Synthesis of Zirconium MOFs: A Route to CO Capture Materials and Ethylene Oligomerization Catalysts. *Inorganic Chemistry*, **2020**, 59, 350-359	5.1	11
66	Elucidating the Formation and Transformation Mechanisms of the Switchable Metal-Organic Framework ELM-11 by Powder and Single-Crystal EPR Study. *Inorganic Chemistry*, **2018**, 57, 11920-11929	5.1	11
65	Synthesis, structure and spectral characteristics of Ni(II), Pd(II) and Zn(II) complexes with N-(2-pyridinyl)morpholine-4-carbothioamide. *Polyhedron*, **2012**, 38, 15-25	2.7	10
64	Synthesis and structure of anhydrous complexes of magnesium(II) with □ketoesters of higher alcohols. *Polyhedron*, **2009**, 28, 2698-2702	2.7	10
63	A Universal Standard Archive File for Adsorption Data. *Langmuir*, **2021**, 37, 4222-4226	4	10
62	Selective pore opening and gating of the pillared layer metal-organic framework DUT-8(Ni) upon liquid phase multi-component adsorption. *Microporous and Mesoporous Materials*, **2018**, 271, 169-174	5.3	10
61	Synthesis, crystal structure, mass spectrometry, electrochemistry and magnetism of a Mn(III)-substituted trilacunary Keggin tungstosilicate. *Dalton Transactions*, **2013**, 42, 5130-9	4.3	9
60	Synthesis and Molecular Structures of CuII 15-Metallacrown-5 Complexes with Encapsulated CaII, PrIII and NdIII Ions. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 2326-2332	1.3	9
59	A new molecular silver precursor for the preparation of thin conductive silver films. *Journal of Physics and Chemistry of Solids*, **2013**, 74, 1546-1552	3.9	8

58	Reprint of Structural diversity of cobalt(II) coordination compounds involving bent imidazole ligand: A route from 0D dimer to 3D coordination polymer. *Polyhedron*, **2013**, 52, 1481-1488	2.7	8
57	Chemically Stable Carbazole-Based Imine Covalent Organic Frameworks with Acidochromic Response for Humidity Control Applications. *Journal of the American Chemical Society*, **2021**, 143, 18368-18373	16.4	8
56	Interlinker Hydrogen Bonds Govern CO Adsorption in a Series of Flexible 2D Diacylhydrazone/Isophthalate-Based MOFs: Influence of Metal Center, Linker Substituent, and Activation Temperature. *Inorganic Chemistry*, **2020**, 59, 10717-10726	5.1	8
55	Novel chelate complexes of Co(II), Ni(II), Cu(II), Pd(II) derived from anti- and syn-isomers of 2-(2-aminothiazole-4-yl)-2-hydroxyiminoacetic acid with pro-/antiproliferative actions on endothelial cells. *Polyhedron*, **2015**, 85, 208-220	2.7	7
54	A Stimuli-Responsive Zirconium Metal Organic Framework Based on Supermolecular Design. *Angewandte Chemie*, **2017**, 129, 10816-10820	3.6	7
53	Synthesis and structure of lipophilic dioxo-molybdenum (VI) bis(hydroxamato) complexes. *Polyhedron*, **2010**, 29, 2900-2906	2.7	7
52	The first square-planar copper(II) 1:2 complex with differently coordinated 2-hydroxybenzaldehyde 4-allylthiosemicarbazone ligands. *Acta Crystallographica Section C: Crystal Structure Communications* , **2010**, 66, m300-2		7
51	cis-Bis[1-allyl-3-(2-pyrid-yl-N)thio-ureato-S]palladium(II). *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m1059		7
50	Reversible switching between positive and negative thermal expansion in a metal organic framework DUT-49. *Journal of Materials Chemistry A*, **2020**, 8, 20420-20428	13	7
49	Massive Pressure Amplification by Stimulated Contraction of Mesoporous Frameworks*. *Angewandte Chemie - International Edition*, **2021**, 60, 11735-11739	16.4	7
48	[Cu3(C11H12N3OS)3(C11H10N3OS)]SO4 3H2O, a trinuclear heteroleptic copper(II) complex with N-allyl-N?-salicylidenethiosemicarbazone and its cyclization product: Synthesis and X-ray diffraction study. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2011**, 37, 149-152	1.6	6
47	Combining Techniques (XRD, IR, and C NMR) and Gas Adsorption Measurements Reveals CO-Induced Structural Transitions and High CO/CH Selectivity for a Flexible Metal-Organic Framework JUK-8. *ACS Applied Materials & Interfaces*, **2021**, 13, 28503-28513	9.5	6
46	Tailoring adsorption induced switchability of a pillared layer MOF by crystal size engineering. *CrystEngComm*, **2021**, 23, 538-549	3.3	6
45	Metal-Organic Frameworks. *Green Energy and Technology*, **2019**, 137-172	0.6	5
44	Functional group tolerance in BTB-based metal organic frameworks (BTB benzene-1,3,5-tribenzoate). *Microporous and Mesoporous Materials*, **2015**, 216, 42-50	5.3	5
43	Halocyclization of 2-(2-{4-[allylamino(thioxo)methyl]piperazin-1-yl}ethyl)-1H-benzo[de]isoquinoline-1,3(2H)-dione. *Russian Journal of Organic Chemistry*, **2011**, 47, 881-885	0.7	5
42	The Synthesis of 2-Substituted Imino-3-amino-4-thiazolidones. *Journal of Organic Chemistry*, **1962**, 27, 2878-2880	4.2	5
41	The force of MOFs: the potential of switchable metal-organic frameworks as solvent stimulated actuators. *Chemical Communications*, **2020**, 56, 7411-7414	5.8	5

40	Rhodium(III), palladium(II), and platinum(II) complexes with 2-(2-hydroxybenzoyl)-N-methylhydrazinecarbothioamide: Syntheses, structures, and spectral characteristics. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2014**, 40, 160-170	1.6	4
39	Oxonium (dihydrogen 1-amino-ethane-1,1-diyldiphospho-nato-κN,O)[hydrogen (1-amino-1-phosphono-ethyl)phospho-nato-κN,O]palladium(II) trihydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m170-1		4
38	Adaptive Response of a Metal–Organic Framework Through Reversible Disorder–Disorder Transitions		4
37	Role of particle size and surface functionalisation on the flexibility behaviour of switchable metal–organic framework DUT-8(Ni). *Journal of Materials Chemistry A*, **2020**, 8, 22703-22711	13	4
36	Isotope-selective pore opening in a flexible metal-organic framework.. *Science Advances*, **2022**, 8, eabn7035	13	4
35	Mono- and binuclear Pd(II) complexes with 2-(5,6-dimethyl-4-oxo-3,4-dihydrothieno[2,3-d]pyrimidin-2-yl)-N-phenylhydrazinecarbothioamide: Synthesis, crystal structure and spectroscopic characterization. *Journal of Molecular Structure*, **2015**	3.4	3
34	Structural Transitions of the Metal-Organic Framework DUT-49(Cu) upon Physi- and Chemisorption Studied by Electron Paramagnetic Resonance Spectroscopy. *Journal of Physical Chemistry Letters*, **2020**, 11, 5856-5862	6.4	3
33	Bis(1-ammonio-ethane-1,1-diyl-diphos-phonato-κO,O')diaqua-cobalt(II) nona-hydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m537-8		3
32	Tetra-aqua-bis[(1-ammonio-1-phosphono-ethyl)phospho-nato]zinc(II) tetra-hydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m459		3
31	Tris(1,10-phenanthroline-κ2N,N')iron(II) bis-[(1,10-phenanthroline-κ2N,N')tetra-kis-(thio-cyanato-κN)chromate(III)] acetonitrile tris-olvate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, m531-2		3
30	trans-Dichloridobis(4-methoxy-aniline-κN)palladium(II). *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m673		3
29	Molecular Diffusion in a Flexible Mesoporous Metal-Organic Framework over the Course of Structural Contraction. *Journal of Physical Chemistry Letters*, **2020**, 11, 9696-9701	6.4	3
28	A bifunctional metal–organic framework platform for catalytic applications. *Polyhedron*, **2019**, 159, 382-386	2.7	3
27	Elucidating the Structural Evolution of a Highly Porous Responsive Metal–Organic Framework (DUT-49(M)) upon Guest Desorption by Time-Resolved in Situ Powder X-ray Diffraction. *Crystal Growth and Design*, **2021**, 21, 270-276	3.5	3
26	Linker Expansion and Its Impact on Switchability in Pillared-Layer MOFs. *Inorganic Chemistry*, **2021**, 60, 1726-1737	5.1	3
25	In Situ X-ray Diffraction and XAS Methods **2016**, 691-727		2
24	[1-(2-Oxidobenzyl-idene)-4-phenyl-thio-semicarbazidato-κO,N,S](pyridine-κN)copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m676		2
23	trans-Bis[(1-ammonio-pentane-1,1-di-yl)diphospho-nato-κO,O']diaqua-copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m1533-4		2

22	trans-Dichloridobis(2-methyl-aniline-κN)palladium(II). *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m396		2
21	Synthesis and Structure of the Silver(I) Complexes [Ag2(C4H6O4N)NO3]·H2O and Ag6(C6H6O6N)2 for the Formulation of Silver Inks in Nanoimprint Lithography. *European Journal of Inorganic Chemistry*, **2020**, 2020, 3167-3173	2.3	2
20	Unraveling the Guest-Induced Switchability in the Metal-Organic Framework DUT-13(Zn)*. *Chemistry - A European Journal*, **2021**, 27, 9708-9715	4.8	2
19	First example of Ugi's amine as a platform for the construction of chiral coordination polymers: synthesis and properties. *New Journal of Chemistry*, **2021**, 45, 2791-2794	3.6	2
18	cis-(Pyridin-2-ylcarbonimidodithio-ato-κS,S')bis-(triphenyl-phosphane-κP)palladium(II). *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 67, m46		1
17	Ammonium 1-ammonio-ethane-1,1-diylbis(hydrogenphospho-nate) dihydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o2340		1
16	Oxonium ammonio-(cyclo-prop-yl)methyl-enebis(hydrogenphospho-nate) monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o2344		1
15	1-Ammonio-1-phosphono-pentane-1-phospho-nic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o2436		1
14	Ammonium dihydrogen (1-ammonio-pentane-1,1-di-yl)diphospho-nate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o1961		1
13	Facile one-pot synthesis of hybrid compounds based on decavanadate showing water oxidation activity. *Inorganic Chemistry Communication*, **2020**, 119, 108111	3.1	1
12	Integration of Fluorescent Functionality into Pressure-Amplifying Metal–Organic Frameworks. *Chemistry of Materials*, **2021**, 33, 7964-7971	9.6	0
11	Massive Pressure Amplification by Stimulated Contraction of Mesoporous Frameworks**. *Angewandte Chemie*, **2021**, 133, 11841-11845	3.6	0
10	A new zeolitic lithium aluminum imidazolate framework. *Dalton Transactions*, **2021**, 50, 7933-7937	4.3	0
9	Cooperative light-induced breathing of soft porous crystals via azobenzene buckling.. *Nature Communications*, **2022**, 13, 1951	17.4	0
8	Bis[(1-ammonio-ethane-1,1-di-yl)diphospho-nato-κO,O']diaqua-nickel(II) nona-hydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m591-2		
7	2-Hydroxy-amino-2-oxoacetohydrazide. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1058		
6	Poly[[μ2)-(1Z,N'E)-2-(1,3-benzothia-zol-2-ylsulfan-yl)-N'-(2-oxidobenzyl-idene-κO:O)acetohydrazidato-κO,N']copp *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 67, m11		
5	Triethyl-ammonium bis-{2-[(2-oxido-5-nitro-benzylidene)amino]-benzoato}ferrate(III) monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, m593-4		

4	Synthesis and spectral characteristics of ruthenium(III), rhodium(III), and palladium(II) complexes with 2-(3-pyridylmethyliminomethyl)phenol. *Russian Journal of Inorganic Chemistry*, **2007**, 52, 359-366	1.5
3	{[1-(2-Amino-ethyl-amino)-1-methyl-ethyl]phospho-nato-κ^{3}N,N′,O}chloridopalladium(II) monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, m182	
2	Reinvestigation of KMg(1/3)Nb(2/3)OPO(4). *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, i15-i16	
1	Dynamic Metal-Organic Frameworks: Unraveling Structure and Dynamics in Porous Frameworks via Advanced In Situ Characterization Techniques (Adv. Funct. Mater. 41/2020). *Advanced Functional Materials*, **2020**, 30, 2070272	15.6