

Volodymyr Bon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cooperative light-induced breathing of soft porous crystals via azobenzene buckling.. <i>Nature Communications</i> , 2022 , 13, 1951	17.4	0
146	Isotope-selective pore opening in a flexible metal-organic framework.. <i>Science Advances</i> , 2022 , 8, eabn7035	11.5	4
145	Chemically Stable Carbazole-Based Imine Covalent Organic Frameworks with Acidochromic Response for Humidity Control Applications. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18368-18373	16.4	8
144	Integration of Fluorescent Functionality into Pressure-Amplifying Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2021 , 33, 7964-7971	9.6	0
143	A Universal Standard Archive File for Adsorption Data. <i>Langmuir</i> , 2021 , 37, 4222-4226	4	10
142	Massive Pressure Amplification by Stimulated Contraction of Mesoporous Frameworks**. <i>Angewandte Chemie</i> , 2021 , 133, 11841-11845	3.6	0
141	Unraveling the Guest-Induced Switchability in the Metal-Organic Framework DUT-13(Zn)*. <i>Chemistry - A European Journal</i> , 2021 , 27, 9708-9715	4.8	2
140	Adaptive response of a metal-organic framework through reversible disorder-disorder transitions. <i>Nature Chemistry</i> , 2021 , 13, 568-574	17.6	18
139	Massive Pressure Amplification by Stimulated Contraction of Mesoporous Frameworks*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11735-11739	16.4	7
138	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. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28503-28513	9.5	6
137	The role of temperature and adsorbate on negative gas adsorption transitions of the mesoporous metal-organic framework DUT-49. <i>Faraday Discussions</i> , 2021 , 225, 168-183	3.6	13
136	Tailoring adsorption induced switchability of a pillared layer MOF by crystal size engineering. <i>CrystEngComm</i> , 2021 , 23, 538-549	3.3	6
135	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. <i>Crystal Growth and Design</i> , 2021 , 21, 270-276	3.5	3
134	First example of Ugi's amine as a platform for the construction of chiral coordination polymers: synthesis and properties. <i>New Journal of Chemistry</i> , 2021 , 45, 2791-2794	3.6	2
133	A new zeolitic lithium aluminum imidazolate framework. <i>Dalton Transactions</i> , 2021 , 50, 7933-7937	4.3	0
132	Linker Expansion and Its Impact on Switchability in Pillared-Layer MOFs. <i>Inorganic Chemistry</i> , 2021 , 60, 1726-1737	5.1	3
131	Tailoring the Adsorption-Induced Flexibility of a Pillared Layer Metal-Organic Framework DUT-8(Ni) by Cobalt Substitution. <i>Chemistry of Materials</i> , 2020 , 32, 5670-5681	9.6	14

130	Four-dimensional metal-organic frameworks. <i>Nature Communications</i> , 2020 , 11, 2690	17.4	50
129	Impact of Defects and Crystal Size on Negative Gas Adsorption in DUT-49 Analyzed by Xe NMR Spectroscopy. <i>Chemistry of Materials</i> , 2020 , 32, 4641-4650	9.6	14
128	Structural Transitions of the Metal-Organic Framework DUT-49(Cu) upon Physi- and Chemisorption Studied by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5856-5862	6.4	3
127	Tunable Flexibility and Porosity of the Metal-Organic Framework DUT-49 through Postsynthetic Metal Exchange. <i>Chemistry of Materials</i> , 2020 , 32, 889-896	9.6	28
126	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. <i>Dalton Transactions</i> , 2020 , 49, 2794-2802	4.3	23
125	Unraveling Structure and Dynamics in Porous Frameworks via Advanced In Situ Characterization Techniques. <i>Advanced Functional Materials</i> , 2020 , 30, 1907847	15.6	45
124	New 1D chiral Zr-MOFs based on in situ imine linker formation as catalysts for asymmetric C C coupling reactions. <i>Journal of Catalysis</i> , 2020 , 386, 106-116	7.3	12
123	The force of MOFs: the potential of switchable metal-organic frameworks as solvent stimulated actuators. <i>Chemical Communications</i> , 2020 , 56, 7411-7414	5.8	5
122	In Situ Imine-Based Linker Formation for the Synthesis of Zirconium MOFs: A Route to CO Capture Materials and Ethylene Oligomerization Catalysts. <i>Inorganic Chemistry</i> , 2020 , 59, 350-359	5.1	11
121	Dynamic Metal-Organic Frameworks: Unraveling Structure and Dynamics in Porous Frameworks via Advanced In Situ Characterization Techniques (Adv. Funct. Mater. 41/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070272	15.6	
120	Facile one-pot synthesis of hybrid compounds based on decavanadate showing water oxidation activity. <i>Inorganic Chemistry Communication</i> , 2020 , 119, 108111	3.1	1
119	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. <i>Inorganic Chemistry</i> , 2020 , 59, 10717-10726	5.1	8
118	Molecular Diffusion in a Flexible Mesoporous Metal-Organic Framework over the Course of Structural Contraction. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9696-9701	6.4	3
117	Role of particle size and surface functionalisation on the flexibility behaviour of switchable metal-organic framework DUT-8(Ni). <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22703-22711	13	4
116	Reversible switching between positive and negative thermal expansion in a metal-organic framework DUT-49. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20420-20428	13	7
115	Synthesis and Structure of the Silver(I) Complexes [Ag ₂ (C ₄ H ₆ O ₄ N)NO ₃][H ₂ O] and Ag ₆ (C ₆ H ₆ O ₆ N) ₂ for the Formulation of Silver Inks in Nanoimprint Lithography. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3167-3173	2.3	2
114	Engineering micromechanics of soft porous crystals for negative gas adsorption. <i>Chemical Science</i> , 2020 , 11, 9468-9479	9.4	16
113	Experimental Evidence of Confined Methane Hydrate in Hydrophilic and Hydrophobic Model Carbons. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24071-24079	3.8	28

112	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal-organic frameworks DUT-8(Co) and DUT-8(Ni). <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21459-21475	13	34
111	Conformational isomerism controls collective flexibility in metal-organic framework DUT-8(Ni). <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 674-680	3.6	27
110	Zn and Co redox active coordination polymers as efficient electrocatalysts. <i>Dalton Transactions</i> , 2019 , 48, 3601-3609	4.3	29
109	Metal-Organic Frameworks. <i>Green Energy and Technology</i> , 2019 , 137-172	0.6	5
108	Insights into the water adsorption mechanism in the chemically stable zirconium-based MOF DUT-67 as prospective material for adsorption-driven heat transformations. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12681-12690	13	26
107	Towards general network architecture design criteria for negative gas adsorption transitions in ultraporous frameworks. <i>Nature Communications</i> , 2019 , 10, 3632	17.4	46
106	High-Pressure in Situ ¹²⁹ Xe NMR Spectroscopy: Insights into Switching Mechanisms of Flexible Metal-Organic Frameworks Isorecticular to DUT-49. <i>Chemistry of Materials</i> , 2019 , 31, 6193-6201	9.6	24
105	Insights into the role of zirconium in proline functionalized metal-organic frameworks attaining high enantio- and diastereoselectivity. <i>Journal of Catalysis</i> , 2019 , 377, 41-50	7.3	19
104	The impact of crystal size and temperature on the adsorption-induced flexibility of the Zr-based metal-organic framework DUT-98. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1737-1744	3	18
103	Towards highly active and stable nickel-based metal-organic frameworks as ethylene oligomerization catalysts. <i>Dalton Transactions</i> , 2019 , 48, 3415-3421	4.3	32
102	Metal-organic frameworks in Germany: From synthesis to function. <i>Coordination Chemistry Reviews</i> , 2019 , 380, 378-418	23.2	65
101	A bifunctional metal-organic framework platform for catalytic applications. <i>Polyhedron</i> , 2019 , 159, 382-386	3	3
100	The effect of crystallite size on pressure amplification in switchable porous solids. <i>Nature Communications</i> , 2018 , 9, 1573	17.4	71
99	Magnetization relaxation in the single-ion magnet DyScN@C: quantum tunneling, magnetic dilution, and unconventional temperature dependence. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11656-11672	3.6	35
98	Nanocasting in ball mills combining ultra-hydrophilicity and ordered mesoporosity in carbon materials. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 859-865	13	22
97	Anion Exchange and Catalytic Functionalization of the Zirconium-Based Metal-Organic Framework DUT-67. <i>Crystal Growth and Design</i> , 2018 , 18, 5492-5500	3.5	19
96	Adsorption Contraction Mechanics: Understanding Breathing Energetics in Isorecticular Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19171-19179	3.8	39
95	Elucidating the Formation and Transformation Mechanisms of the Switchable Metal-Organic Framework ELM-11 by Powder and Single-Crystal EPR Study. <i>Inorganic Chemistry</i> , 2018 , 57, 11920-11929 ^{5.1}	5.1	11

94	Balancing Mechanical Stability and Ultrahigh Porosity in Crystalline Framework Materials. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13780-13783	16.4	176
93	Mechanische Stabilität versus ultrahohe Porosität in kristallinen Netzwerkmaterialien: ein Balanceakt!. <i>Angewandte Chemie</i> , 2018 , 130, 13976-13979	3.6	22
92	Selective pore opening and gating of the pillared layer metal-organic framework DUT-8(Ni) upon liquid phase multi-component adsorption. <i>Microporous and Mesoporous Materials</i> , 2018 , 271, 169-174	5.3	10
91	Indefinitely stable iron(IV) cage complexes formed in water by air oxidation. <i>Nature Communications</i> , 2017 , 8, 14099	17.4	27
90	In Situ Monitoring of Unique Switching Transitions in the Pressure-Amplifying Flexible Framework Material DUT-49 by High-Pressure ¹²⁹ Xe NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 5195-5200	3.8	37
89	Metal-organic frameworks for energy-related applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017 , 4, 44-49	7.9	27
88	Crystal Engineering of Phenylenebis(azanetriyl)tetrabenzoate Based Metal-Organic Frameworks for Gas Storage Applications. <i>Crystal Growth and Design</i> , 2017 , 17, 3221-3228	3.5	19
87	CFA-4 - a fluorinated metal-organic framework with exchangeable interchannel cations. <i>Dalton Transactions</i> , 2017 , 46, 6745-6755	4.3	13
86	The modulator driven polymorphism of Zr(IV) based metal-organic frameworks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	13
85	Synthesis of the homochiral metal-organic framework DUT-129 based on a chiral dicarboxylate linker with 6 stereocenters. <i>CrystEngComm</i> , 2017 , 19, 2494-2499	3.3	13
84	Tailoring adsorption induced phase transitions in the pillared-layer type metal-organic framework DUT-8(Ni). <i>Dalton Transactions</i> , 2017 , 46, 4685-4695	4.3	54
83	Understanding activity and selectivity of metal-nitrogen-doped carbon catalysts for electrochemical reduction of CO. <i>Nature Communications</i> , 2017 , 8, 944	17.4	604
82	Tuning the gate-opening pressure and particle size distribution of the switchable metal-organic framework DUT-8(Ni) by controlled nucleation in a micromixer. <i>Dalton Transactions</i> , 2017 , 46, 14002-14011	4.3	47
81	A Stimuli-Responsive Zirconium Metal-Organic Framework Based on Supramolecular Design. <i>Angewandte Chemie</i> , 2017 , 129, 10816-10820	3.6	7
80	A Stimuli-Responsive Zirconium Metal-Organic Framework Based on Supramolecular Design. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10676-10680	16.4	57
79	Raman spectroscopy studies of the terahertz vibrational modes of a DUT-8 (Ni) metal-organic framework. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 32099-32104	3.6	35
78	Optical Sensors Using Solvatochromic Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 14164-14169	14.1	15
77	Topological control of 3,4-connected frameworks based on the Cu ₂ -paddle-wheel node: tbo or pto, and why?. <i>CrystEngComm</i> , 2016 , 18, 8164-8171	3.3	19

76	In Situ X-ray Diffraction and XAS Methods 2016 , 691-727		2
75	EPR Insights into Switchable and Rigid Derivatives of the Metal-Organic Framework DUT-8(Ni) by NO Adsorption. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 14246-14259	3.8	29
74	Crystallographic insights into (CH ₃ NH ₃) ₃ (Bi ₂ I ₉): a new lead-free hybrid organic-inorganic material as a potential absorber for photovoltaics. <i>Chemical Communications</i> , 2016 , 52, 3058-60	5.8	167
73	Proline Functionalized UiO-67 and UiO-68 Type Metal-Organic Frameworks Showing Reversed Diastereoselectivity in Aldol Addition Reactions. <i>Chemistry of Materials</i> , 2016 , 28, 2573-2580	9.6	119
72	Tuning the flexibility in MOFs by SBU functionalization. <i>Dalton Transactions</i> , 2016 , 45, 4407-15	4.3	26
71	Illuminating solid gas storage in confined spaces - methane hydrate formation in porous model carbons. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20607-14	3.6	51
70	Vapochromic Luminescence of a Zirconium-Based Metal-Organic Framework for Sensing Applications. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4483-4489	2.3	37
69	Postsynthetic Inner-Surface Functionalization of the Highly Stable Zirconium-Based Metal-Organic Framework DUT-67. <i>Inorganic Chemistry</i> , 2016 , 55, 7206-13	5.1	50
68	A pressure-amplifying framework material with negative gas adsorption transitions. <i>Nature</i> , 2016 , 532, 348-52	50.4	380
67	Functional group tolerance in BTB-based metal-organic frameworks (BTB = benzene-1,3,5-tribenzoate). <i>Microporous and Mesoporous Materials</i> , 2015 , 216, 42-50	5.3	5
66	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. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17471-9	3.6	69
65	Postsynthetic Paddle-Wheel Cross-Linking and Functionalization of 1,3-Phenylenebis(azanetriyl)tetrabenzoate-Based MOFs. <i>Chemistry of Materials</i> , 2015 , 27, 2460-2467	9.6	41
64	Characteristics of flexibility in metal-organic framework solid solutions of composition [Zn ₂ (BME-bdc) _x (DB-bdc) _{2-x} dabco] _n : In situ powder X-ray diffraction, in situ NMR spectroscopy, and molecular dynamics simulations. <i>Microporous and Mesoporous Materials</i> , 2015 , 216, 64-74	5.3	35
63	Tolerance of Flexible MOFs toward Repeated Adsorption Stress. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22292-300	9.5	54
62	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. <i>Journal of Molecular Structure</i> , 2015 , 1102, 161-169	3.4	3
61	Copolymerisation at work: the first example of a highly porous MOF comprising a triarylborane-based linker. <i>CrystEngComm</i> , 2015 , 17, 307-312	3.3	11
60	Assembly of metal-organic polyhedra into highly porous frameworks for ethene delivery. <i>Chemical Communications</i> , 2015 , 51, 1046-9	5.8	56
59	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. <i>Polyhedron</i> , 2015 , 85, 208-220	2.7	7

58	Synthesis and Molecular Structures of CuII 15-Metallacrown-5 Complexes with Encapsulated CaII, PrIII and NdIII Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 2326-2332	1.3	9
57	A new metal-organic framework with ultra-high surface area. <i>Chemical Communications</i> , 2014 , 50, 3450-3.8	3.8	130
56	A series of amide functionalized isorecticular metal organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2014 , 194, 115-125	5.3	21
55	Integration of accessible secondary metal sites into MOFs for H2S removal. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 325-330	6.8	66
54	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. <i>Inorganica Chimica Acta</i> , 2014 , 423, 496-503	2.7	12
53	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. <i>Inorganic Chemistry</i> , 2014 , 53, 1513-20	5.1	40
52	Rhodium(III), palladium(II), and platinum(II) complexes with 2-(2-hydroxybenzoyl)-N-methylhydrazinecarbothioamide: Syntheses, structures, and spectral characteristics. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 160-170	1.6	4
51	In situ monitoring of structural changes during the adsorption on flexible porous coordination polymers by X-ray powder diffraction: Instrumentation and experimental results. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 190-195	5.3	49
50	Flexible metal-organic frameworks. <i>Chemical Society Reviews</i> , 2014 , 43, 6062-96	58.5	1372
49	A new molecular silver precursor for the preparation of thin conductive silver films. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1546-1552	3.9	8
48	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear CuII2FeIII2 complexes obtained by direct synthesis. <i>Dalton Transactions</i> , 2013 , 42, 16909-19	4.3	27
47	Tailoring of network dimensionality and porosity adjustment in Zr- and Hf-based MOFs. <i>CrystEngComm</i> , 2013 , 15, 9572	3.3	162
46	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. <i>Polyhedron</i> , 2013 , 51, 211-221	2.7	15
45	Zr- and Hf-Based Metal-Organic Frameworks: Tracking Down the Polymorphism. <i>Crystal Growth and Design</i> , 2013 , 13, 1231-1237	3.5	205
44	Reprint of Structural diversity of cobalt(II) coordination compounds involving bent imidazole ligand: A route from 0D dimer to 3D coordination polymer. <i>Polyhedron</i> , 2013 , 52, 1481-1488	2.7	8
43	Synthesis, crystal structure, mass spectrometry, electrochemistry and magnetism of a Mn(III)-substituted trilacunary Keggin tungstosilicate. <i>Dalton Transactions</i> , 2013 , 42, 5130-9	4.3	9
42	Novel zirconium (IV) and hafnium (IV) phthalocyanines with dibenzoylmethane as out-of-plane ligand: Synthesis, X-ray structure and fluorescent properties. <i>Dyes and Pigments</i> , 2012 , 94, 187-194	4.6	15
41	Facile synthesis of Cu(II) complexes of mono- and bicondensed N donor Schiff base 1H-pyrazolate ligands: Crystal structures, spectroscopic and magnetic properties. <i>Polyhedron</i> , 2012 , 37, 77-84	2.7	11

40	Synthesis, structure and spectral characteristics of Ni(II), Pd(II) and Zn(II) complexes with N-(2-pyridinyl)morpholine-4-carbothioamide. <i>Polyhedron</i> , 2012 , 38, 15-25	2.7	10
39	Novel heterometallic Schiff base complexes featuring unusual tetranuclear {Co(III) ₂ Fe(III) ₂ (EO) ₆ } and octanuclear {Co(III) ₄ Fe(III) ₄ (EO) ₁₄ } cores: direct synthesis, crystal structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2012 , 51, 386-96	5.1	41
38	Structural diversity of cobalt(II) coordination compounds involving bent imidazole ligand: A route from 0D dimer to 3D coordination polymer. <i>Polyhedron</i> , 2012 , 44, 179-186	2.7	24
37	A highly porous metal-organic framework, constructed from a cuboctahedral super-molecular building block, with exceptionally high methane uptake. <i>Chemical Communications</i> , 2012 , 48, 10841-3	5.8	170
36	Dye encapsulation inside a new mesoporous metal-organic framework for multifunctional solvatochromic-response function. <i>Chemistry - A European Journal</i> , 2012 , 18, 13299-303	4.8	81
35	Zr(IV) and Hf(IV) based metal-organic frameworks with reo-topology. <i>Chemical Communications</i> , 2012 , 48, 8407-9	5.8	156
34	Heterometallic Co(III) ₄ Fe(III) ₂ Schiff base complex: structure, electron paramagnetic resonance, and alkane oxidation catalytic activity. <i>Inorganic Chemistry</i> , 2012 , 51, 9110-22	5.1	113
33	A family of 2D and 3D coordination polymers involving a trigonal tritopic linker. <i>Dalton Transactions</i> , 2012 , 41, 4172-9	4.3	22
32	Synthesis, structural and spectral characterization of Zn(II) complexes, derived from thiourea and thiosemicarbazide. <i>Inorganica Chimica Acta</i> , 2012 , 382, 127-138	2.7	23
31	Tris(1,10-phenanthroline-(2)N,N')iron(II) bis-[(1,10-phenanthroline-(2)N,N')tetra-kis-(thio-cyanato-3)chromate(III)] acetonitrile tris-olvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m531-2		3
30	Application of a chiral metal-organic framework in enantioselective separation. <i>Chemical Communications</i> , 2011 , 47, 12089-91	5.8	145
29	[Cu ₃ (C ₁₁ H ₁₂ N ₃ O ₃) ₃ (C ₁₁ H ₁₀ N ₃ O ₃)]SO ₄ · 3H ₂ O, a trinuclear heteroleptic copper(II) complex with N-allyl-N'-salicylidene-thiosemicarbazone and its cyclization product: Synthesis and X-ray diffraction study. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011 , 37, 149-152	1.6	6
28	Halocyclization of 2-(2-(4-[allylamino(thioxo)methyl]piperazin-1-yl)ethyl)-1H-benzo[de]isoquinoline-1,3(2H)-dione. <i>Russian Journal of Organic Chemistry</i> , 2011 , 47, 881-885	0.7	5
27	Triethyl-ammonium bis-{2-[(2-oxido-5-nitro-benzylidene)amino]-benzoato}ferrate(III) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m593-4		
26	Bis[(1-ammonio-ethane-1,1-di-yl)diphospho-nato-10,O']diaqua-nickel(II) nona-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m591-2		
25	[1-(2-Oxidobenzyl-idene)-4-phenyl-thio-semicarbazidato-10,N,S](pyridine-3)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m676		2
24	2-Hydroxy-amino-2-oxoacetohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o1058		
23	trans-Bis[(1-ammonio-pentane-1,1-di-yl)diphospho-nato-10,O']diaqua-copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m1533-4		2

22	Bis(1-ammonio-ethane-1,1-diyl-diphosphonato- D,O')diaqua-cobalt(II) nona-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m537-8		3
21	Oxonium (dihydrogen 1-amino-ethane-1,1-diyl-diphosphonato- N,O)[hydrogen (1-amino-1-phosphono-ethyl)phosphonato- N,O]palladium(II) trihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m170-1		4
20	Poly[[P -(1Z,N'E)-2-(1,3-benzothiazol-2-ylsulfanyl)-N'-(2-oxidobenzylidene- D,O)acetohydrazidato- D,N'](pyridine- N)cop		
19	cis-(Pyridin-2-ylcarbonimidodithioato- S,S')bis-(triphenyl-phosphane- P)palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 67, m46		1
18	Synthesis and structure of lipophilic dioxo-molybdenum (VI) bis(hydroxamato) complexes. <i>Polyhedron</i> , 2010 , 29, 2900-2906	2.7	7
17	Square-planar 1:2 Ni(II) and Pd(II) complexes with different coordination mode of salicylaldehyde (4)-phenylthiosemicarbazone: Synthesis, structure and spectral properties. <i>Journal of Molecular Structure</i> , 2010 , 984, 15-22	3.4	18
16	The first square-planar copper(II) 1:2 complex with differently coordinated 2-hydroxybenzaldehyde 4-allylthiosemicarbazone ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m300-2		7
15	{[1-(2-Amino-ethyl-amino)-1-methyl-ethyl]phosphonato- N,N' , O]chloridopalladium(II) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m182		
14	Reinvestigation of $\text{KMg}(1/3)\text{Nb}(2/3)\text{OPO}(4)$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, i15-i16		
13	trans-Dichloridobis(2-methyl-aniline- N)palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m396		2
12	Tetra-aqua-bis[(1-ammonio-1-phosphono-ethyl)phosphonato]zinc(II) tetra-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m459		3
11	Synthesis and structure of anhydrous complexes of magnesium(II) with β -ketoesters of higher alcohols. <i>Polyhedron</i> , 2009 , 28, 2698-2702	2.7	10
10	trans-Dichloridobis(4-methoxy-aniline- N)palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m673		3
9	cis-Bis[1-allyl-3-(2-pyrid-yl- N)thio-ureato- S]palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m1059		7
8	Ammonium dihydrogen (1-ammonio-pentane-1,1-di-yl)diphospho-nate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o1961		1
7	Ammonium 1-ammonio-ethane-1,1-diylbis(hydrogenphospho-nate) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2340		1
6	Oxonium ammonio-(cyclo-prop-yl)methyl-enebis(hydrogenphospho-nate) monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2344		1
5	1-Ammonio-1-phosphono-pentane-1-phospho-nic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2436		1

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3	Synthesis and spectral characteristics of ruthenium(III), rhodium(III), and palladium(II) complexes with 2-(3-pyridylmethyliminomethyl)phenol. <i>Russian Journal of Inorganic Chemistry</i> , 2007 , 52, 359-366	1.5	
2	The Synthesis of 2-Substituted Imino-3-amino-4-thiazolidones. <i>Journal of Organic Chemistry</i> , 1962 , 27, 2878-2880	4.2	5
1	Adaptive Response of a Metal-Organic Framework Through Reversible Disorder-Order Transitions		4