

Barbara Modec

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Crystallographic Evidence of Nitrate π - π Interactions Involving the Electron-Deficient 1,3,5-Triazine Ring. <i>Inorganic Chemistry</i> , 2006, 45, 6637-6645.	1.9	92
2	Novel molybdenum(v) squarato complexes based on the dinuclear metal-metal bonded unit: syntheses and structural characterization of dinuclear $[\text{Mo}_2\text{O}_4(\text{C}_4\text{O}_4)(\text{R-Py})_4]$ and tetranuclear $[\text{Mo}_4\text{O}_8(\text{C}_4\text{O}_4)_4]^{4-}$. <i>Dalton Transactions</i> , 2003, , 4618-4625.	1.6	58
3	Synthesis of Bromo- and Iodohydrins from Deactivated Alkenes by Use of N-Bromo- and N-Iodosaccharin. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2349-2353.	1.2	42
4	Stereoarrayed 2,3-Disubstituted 1-Indanols via Ruthenium(II)-Catalyzed Dynamic Kinetic Resolution-Asymmetric Transfer Hydrogenation. <i>Organic Letters</i> , 2018, 20, 2921-2924.	2.4	42
5	The solvothermal synthesis and the crystal structure of polymeric N-methylpyridinium octamolybdate(VI), $(\text{Me}_4\text{NC}_5\text{H}_5)_4\text{n}[\text{Mo}_8\text{O}_{26}]_n$. <i>Inorganic Chemistry Communication</i> , 2003, 6, 506-512.	1.8	41
6	Complexation of Molybdenum(V) with Glycolic Acid: An Unusual Orientation of Glycolato Ligand in $\{\text{Mo}_2\text{O}_4\text{O}_4\}^{2+}$ Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 3625-3633.	1.9	41
7	The first oxalate-bridged one-dimensional polymer containing Mo(V) dimers with single metal-metal bonds. Syntheses and structures of $(\text{Me}_4\text{NC}_5\text{H}_5)_2\text{n}[\text{Mo}_2\text{O}_4(\text{C}_2\text{O}_4)\text{Cl}_2]_n$ and $(3\text{-MePyH})_2\text{n}[\text{Mo}_2\text{O}_4(\text{C}_2\text{O}_4)\text{Cl}_2]_n$. <i>Dalton Transactions RSC</i> , 2002, , 4582-4586.	2.3	40
8	A Series of Molybdenum(V) Complexes with the Oxalato Ligand Engaged in Different Binding Roles: An Unusual Staggered Conformation of the $1/4$ -Oxalate in $[\{\text{Mo}_2\text{O}_4(1/2\text{-C}_2\text{O}_4)_2\}_2(1/4\text{-C}_2\text{O}_4)]_6^{4-}$. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1611-1620.	1.0	38
9	Novel Methanol-Containing Oxomolybdate(V) Complexes: Synthesis and Structural Characterisation of Intermediates in the Formation of $\{\text{Mo}_2\text{O}_4\}^{2+}$ Clusters from $[\text{MoOCl}_4(\text{H}_2\text{O})]$ - and $[\text{MoOBr}_4]$ -Precursors. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1698-1709.	1.0	38
10	From Small $\{\text{Mo}_2\text{O}_4\}^{2+}$ Aggregates to Infinite Solids. <i>Journal of Cluster Science</i> , 2002, 13, 279-302.	1.7	37
11	β -Sultam-cored N,N-ligands in the ruthenium-catalyzed asymmetric transfer hydrogenation of aryl ketones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2112-2120.	1.5	37
12	Proficiency of the electron-deficient 1,3,5-triazine ring to generate anion π - π and lone pair π - π interactions. <i>CrystEngComm</i> , 2010, 12, 3057.	1.3	33
13	A templated synthesis of tetranuclear polyoxoalkoxymolybdates(v). Bromo coordinated oxomolybdenum(v) clusters: known core structure with new ligands. Oxidation to the Lindquist anion. <i>Dalton Transactions RSC</i> , 2002, , 1500-1507.	2.3	32
14	EDA Complexes of N-halosaccharins with N- and O-donor ligands. <i>New Journal of Chemistry</i> , 2009, 33, 2344.	1.4	28
15	Dinuclear Oxomolybdate(V) Species with Oxalato and Pyridine Ligands Revisited: cis/trans Isomerization of $[\text{Mo}_2\text{O}_4(1/2\text{-C}_2\text{O}_4)_2(\text{R-Py})_2]^{2-}$ (R-Py = Pyridine, Alkyl-Substituted Pyridine) in Water Evidenced by NMR Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3224-3237.	1.0	27
16	Study of the Reaction of Bulky Aryllithium Reagents with 3,4-Dimethyl-2,5-diphenyl-1,3,2-oxazaphospholidine-2-borane Derived from Ephedrine. <i>Journal of Organic Chemistry</i> , 2007, 72, 8010-8018.	1.7	27
17	Beyond the Simple Copper(II) Coordination Chemistry with Quinaldinate and Secondary Amines. <i>Molecules</i> , 2020, 25, 1573.	1.7	25
18	P-Stereogenic Phospholanes or Phosphorinanes from o-Biarylphosphines: Two Bridges Not Too Far. <i>Journal of Organic Chemistry</i> , 2013, 78, 4665-4673.	1.7	22

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19	Anions of 1,3,5-Benzenetricarboxylic and Heptanedioic Acids Serving as Bridges between Dimolybdenum(V) Metal-Metal Bonded Units: Preparation and Structural Characterization of Dinuclear and Tetranuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4325-4334.	1.0	21
20	Asymmetric synthesis of SMS-Phos series TM precursor and a naphthalene analogue. <i>Tetrahedron Letters</i> , 2011, 52, 1086-1089.	0.7	21
21	Oxomolybdenum coordination compounds with pyridine. Syntheses and structures of [Mo4O8(OCH3)2Cl2L4]·2L (L=Py, 4-MePy), [Mo4O8(OCH3)4(4-MePy)4], [Mo6O12(OCH3)6Py4] and [Mo10O26Py8]·7Py. <i>Inorganica Chimica Acta</i> , 2000, 307, 33-41.	1.2	20
22	Structural isomerism among octanuclear oxomolybdenum(V) coordination compounds with pyridines. Two isomers of [Mo8O16(OCH3)8(Ri-Py)4]. <i>Inorganica Chimica Acta</i> , 2001, 322, 113-119.	1.2	20
23	New molybdenum(V) complexes based on the {Mo2O4}2+ structural core with esters or anions of malonic and succinic acid. <i>Inorganica Chimica Acta</i> , 2007, 360, 663-678.	1.2	18
24	Pyrazine-Assisted Dimerization of Molybdenum(V): Synthesis and Structural Characterization of Novel Dinuclear and Tetranuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 542-553.	1.0	17
25	Oxomolybdenum coordination compounds with alkyl-substituted pyridines. Solvothermal syntheses and structural characterization of [Mo10O26(3,5-Lut)8]·2(3,5-Lut), [Mo10O26(3-MePy)8]·(3-MePy), [Mo10O26(3-MePy)8] and [Mo12O28(OCH3)2Cl2(3-MePy)8]. <i>Polyhedron</i> , 2000, 19, 1407-1414.	1.0	16
26	Octanuclear oxomolybdenum(V) clusters with pyridine or alkyl-substituted pyridines: crystal structures of [Mo8O16(OCH3)8L4] (L=3-methylpyridine, 3,5-lutidine). <i>Polyhedron</i> , 2000, 19, 1219-1225.	1.0	15
27	Acetato complexes of molybdenum(V): A novel tetranuclear core based on the metal-metal bonded {Mo2O4}2+ units. <i>Inorganica Chimica Acta</i> , 2008, 361, 2863-2870.	1.2	14
28	Zn(II) Curcuminato Complexes with 2,2'-bipyridine and Carboxylates. <i>Molecules</i> , 2019, 24, 2540.	1.7	13
29	Synthesis and structure of a high-nuclearity oxomolybdenum(V) complex, [Mo12O28(OC2H5)4(C6H7N)8]. <i>Inorganic Chemistry Communication</i> , 2001, 4, 537-540.	1.8	11
30	Solid state structures of dinuclear and trinuclear tungsten and molybdenum complexes with single metal-metal bonds. <i>Inorganica Chimica Acta</i> , 2015, 424, 226-234.	1.2	11
31	Novel hydrogenmaleato molybdenum(V) complexes based on a dinuclear metal-metal bonded unit: syntheses and structural characterization of (PyH)3 [Mo2O4Cl4(OOCCH2COOH)] and (PyH)3 [Mo2O4Br4(OOCCH2COOH)]·CH3CN. <i>Inorganic Chemistry Communication</i> , 2004, 7, 516-520.	1.8	10
32	Crystal Chemistry of Zinc Quinaldinate Complexes with Pyridine-Based Ligands. <i>Crystals</i> , 2018, 8, 52.	1.0	10
33	Mixed Chloride/Amine Complexes of Dimolybdenum(II,II). 4. Rotational Isomers of Mo2Cl4(R-py)4(R-py =) Tj ETQq1 _{1,9} 0.7843 ₁₄ rgBT / Dv		
34	Alkylpyridine Complexes of Tungsten(II) and Chromium(II). First Rotational Isomers of W2X4L4 Molecules with D2h and D2 Symmetries. <i>Inorganic Chemistry</i> , 2000, 39, 5407-5411.	1.9	9
35	Lithium complexes with a [Cp*2Ti2F7] ligand: 19F NMR probe for lithium solvation Electronic supplementary information (ESI) available: optimised cartesian coordinates. See http://www.rsc.org/suppdata/dt/b2/b207685c/ . <i>Dalton Transactions</i> , 2003, , 420-425.	1.6	9
36	Crystal structures and cytotoxicity of isopropylamine Pt(II) complexes: A trinuclear squarato-bridged [Pt3(1/42-C4O4)3(H2NPri)6]·3H2O and a mononuclear cis-[Pt(NO3)2(H2NPri)2]. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1465-1471.	1.5	9

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37	Synthesis, structure, antioxidant and SOD-mimetic activity of [Cu(xanthureate)(nicotinamide)(H ₂ O)] complexes. <i>Monatshefte für Chemie</i> , 2014, 145, 911-920.	0.9	9
38	From cyclic amines and acetonitrile to amidine zinc complexes. <i>RSC Advances</i> , 2020, 10, 18200-18221.	1.7	9
39	Mixed Chloride/Amine Complexes of Dimolybdenum(II,II). 5. Experimental and Theoretical Study of the Rotation Conformational Preferences of Mo ₂ Cl ₄ (R-py) ₄ (R-py = Substituted Pyridine) Molecules. <i>Journal of the American Chemical Society</i> , 1999, 121, 11758-11761.	6.6	7
40	En route to {Mo ₂ O ₂ (μ ₂ -O) ₂ } ²⁺ species: Isolation and structural characterization of a novel methoxide-bridged Mo(V) complex. <i>Inorganic Chemistry Communication</i> , 2009, 12, 328-331.	1.8	7
41	3-Amino-1-propanol and <i>N</i> -methylaminoethanol: coordination to zinc complexes vs. decomposition to ammonia. <i>New Journal of Chemistry</i> , 2020, 44, 387-400.	1.4	7
42	Synthesis and identification of pentachloropyridinemolybdate(III) and pentabromopyridinemolybdate(III): crystal structures of [NH ₂ (CH ₃) ₂] ₂ [MoPyCl ₅] and [N(CH ₃) ₄] ₂ [MoPyCl ₅] (py = pyridine). <i>Inorganica Chimica Acta</i> , 1995, 229, 421-424.	1.2	6
43	Supramolecular framework of a dinuclear cadmium complex with a dianion of xanthurenic acid [Cd ₂ (Xan) ₂ (H ₂ O) ₄]. <i>Monatshefte für Chemie</i> , 2012, 143, 1643-1648.	0.9	6
44	Oxidative cleavage of 3-phenyllactic acid in presence of molybdenum complexes. <i>Inorganic Chemistry Communication</i> , 2012, 23, 50-53.	1.8	6
45	Synthesis and characterization of two copper(II) compounds with xanthurenic acid. <i>Monatshefte für Chemie</i> , 2012, 143, 413-420.	0.9	6
46	Molybdenum(V) complexes with formate: Geometric isomerism of the [Mo ₂ O ₄ Cl ₂ (Py) ₂ (HCOO)] ⁺ ion. <i>Journal of Molecular Structure</i> , 2013, 1051, 354-360.	1.8	6
47	Cytotoxic trans-platinum(II) complex with 3-hydroxymethylpyridine: Synthesis, X-ray structure and biological activity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 40-51.	1.5	6
48	A 4-ethylpyridine complex of tetrachloromolybdenum(III) and its oxidation product. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 780-782.	0.4	5
49	The solid state structure of pyridinium hydrogen squarate. <i>Journal of Molecular Structure</i> , 2015, 1099, 54-57.	1.8	5
50	A decanuclear oxomolybdenum(V,VI) cluster with 4-isopropylpyridine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 246-247.	0.4	4
51	Synthesis, structure and properties of tetrachlorido[N ₂ ,N ₂ ,N ₄ ,N ₄ ,N ₆ ,N ₆ -hexakis((pyridin-2-yl)methyl)-1,3,5-triazine-2,4,6-triamine]dicopper(II) bis(acetonitrile), [Cu ₂ Cl ₄ (L)] ₂ ·2CH ₃ CN. <i>Journal of Molecular Structure</i> , 2012, 1013, 36-38.	1.8	4
52	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2000, 30, 345-349.	0.5	3
53	Syntheses and a Solid State Structure of a Dinuclear Molybdenum(V) Complex with Pyridine. <i>Materials</i> , 2010, 3, 150-157.	1.3	3
54	The mononuclear tungsten(V) complexes: The preparation and the X-ray structures of a series of [WOX ₄ (H ₂ O)] ⁺ (X = Cl, Br) salts. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1369-1372.	1.8	3

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55	Self-assembly of {W ₂ O ₄ } ₂ ⁺ : Syntheses and structures of high-valent tungsten compounds. <i>Inorganic Chemistry Communication</i> , 2014, 42, 5-9.	1.8	3
56	Molybdenum complexes with citrate revisited. A mononuclear [MoVOCl ₄ (H ₂ O)] ⁺ ion as a new synthetic entry. <i>Inorganica Chimica Acta</i> , 2019, 495, 119006.	1.2	3
57	Structural diversity and magnetic properties of copper(II) quinaldinate compounds with amino alcohols. <i>New Journal of Chemistry</i> , 2022, 46, 6899-6920.	1.4	3
58	Polymorphism of μ -mer- μ -oxalato-bis[chloridotripyridinecobalt(II)] pyridine disolvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 340-343.	0.4	2
59	Polynuclear oxomolybdates(VI): Products of inadvertent oxidation of molybdenum(V) species. <i>Inorganica Chimica Acta</i> , 2019, 486, 766-775.	1.2	2
60	Hydrogen Bonding and Polymorphism of Amino Alcohol Salts with Quinaldinate: Structural Study. <i>Molecules</i> , 2022, 27, 996.	1.7	2
61	Synthesis and Crystal Structures of μ -Phenyl- and μ -Trifluoromethyl- μ -(2-pyridyl-N-oxide)ethanols and μ -Phenyl- μ -(2-pyridyl-N-oxide)ethylene. <i>Journal of Chemical Crystallography</i> , 2011, 41, 386-390.	0.5	1
62	Carboxylato Molybdenum(V) Complexes: X-Ray Structures of the Dinuclear Pivalato Complexes. <i>Journal of Chemical Crystallography</i> , 2013, 43, 377-382.	0.5	1
63	Hydrogen-Bonding in Two Pyridinium Salts of [Mo ₂ O ₄ Cl ₄ (μ -dmsH)] ³⁺ Complex (dmsH ⁺ = a) Tj ETQq1 1 0.784314 rgBT ₁ /Overloc	1.0	1
64	Trans-[Cu(quin) ₂ (EtOH) ₂]. <i>MolBank</i> , 2021, 2021, M1216.	0.2	1
65	From Small {Mo ₂ O ₄ } ₂ ⁺ Aggregates to Infinite Solids. <i>ChemInform</i> , 2003, 34, no.	0.1	0
66	Synthesis of Bromo- and Iodohydrins from Deactivated Alkenes by Use of N-Bromo- and N-Iodosaccharin.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
67	Structures of polymorphic forms of trans-(PyH)[MoCl ₄ (Py) ₂]: Conformational isomerism of the trans-[MoCl ₄ (Py) ₂] ⁺ ion. <i>Journal of Molecular Structure</i> , 2013, 1042, 112-117.	1.8	0
68	Synthesis and structures of nickel(II) complexes with xanthurenate ions. <i>Inorganica Chimica Acta</i> , 2016, 443, 15-21.	1.2	0
69	Pyridinium Pentachloridooxomolybdate(V), (PyH) ₂ [MoOCl ₅], Revisited: Single-Crystal X-ray Structure Determination. <i>MolBank</i> , 2021, 2021, M1249.	0.2	0
70	Functionalization of epoxy esters with alcohols as stoichiometric reagents. <i>Acta Chimica Slovenica</i> , 2015, 62, 362-370.	0.2	0
71	Oxidation vs. coordination chemistry of the {MoV ₂ O ₄ } ₂ ⁺ species: A structural study. <i>Journal of Molecular Structure</i> , 2022, 1253, 132246.	1.8	0