

# Barbara Modec

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Oxidation vs. coordination chemistry of the {MoV <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> species: A structural study. <i>Journal of Molecular Structure</i> , 2022, 1253, 132246.	1.8	0
2	Hydrogen Bonding and Polymorphism of Amino Alcohol Salts with Quinaldinate: Structural Study. <i>Molecules</i> , 2022, 27, 996.	1.7	2
3	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
4	Trans-[Cu(quin) <sub>2</sub> (EtOH) <sub>2</sub> ]. <i>MolBank</i> , 2021, 2021, M1216.	0.2	1
5	Pyridinium Pentachloridooxomolybdate(V), (PyH) <sub>2</sub> [MoOCl <sub>5</sub> ], Revisited: Single-Crystal X-ray Structure Determination. <i>MolBank</i> , 2021, 2021, M1249.	0.2	0
6	3-Amino-1-propanol and N-methylaminoethanol: coordination to zinc(II) vs. decomposition to ammonia. <i>New Journal of Chemistry</i> , 2020, 44, 387-400.	1.4	7
7	From cyclic amines and acetonitrile to amidine zinc(II) complexes. <i>RSC Advances</i> , 2020, 10, 18200-18221.	1.7	9
8	Beyond the Simple Copper(II) Coordination Chemistry with Quinaldinate and Secondary Amines. <i>Molecules</i> , 2020, 25, 1573.	1.7	25
9	Zn(II) Curcumin Complexes with 2,2'-bipyridine and Carboxylates. <i>Molecules</i> , 2019, 24, 2540.	1.7	13
10	Molybdenum complexes with citrate revisited. A mononuclear [MoVOCl <sub>4</sub> (H <sub>2</sub> O)] <sup>-</sup> ion as a new synthetic entry. <i>Inorganica Chimica Acta</i> , 2019, 495, 119006.	1.2	3
11	Polynuclear oxomolybdates(VI): Products of inadvertent oxidation of molybdenum(V) species. <i>Inorganica Chimica Acta</i> , 2019, 486, 766-775.	1.2	2
12	Crystal Chemistry of Zinc Quinaldinate Complexes with Pyridine-Based Ligands. <i>Crystals</i> , 2018, 8, 52.	1.0	10
13	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
14	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
15	<sup>3</sup> Sultam-cored N,N-ligands in the ruthenium(II)-catalyzed asymmetric transfer hydrogenation of aryl ketones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2112-2120.	1.5	37
16	Synthesis and structures of nickel(II) complexes with xanthurenate ions. <i>Inorganica Chimica Acta</i> , 2016, 443, 15-21.	1.2	0
17	The solid state structure of pyridinium hydrogen squarate. <i>Journal of Molecular Structure</i> , 2015, 1099, 54-57.	1.8	5
18	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

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19	Functionalization of epoxy esters with alcohols as stoichiometric reagents. <i>Acta Chimica Slovenica</i> , 2015, 62, 362-370.	0.2	0
20	Synthesis, structure, antioxidant and SOD-mimetic activity of [Cu(xanthurenate)(nicotinamide)(H <sub>2</sub> O)] complexes. <i>Monatshefte für Chemie</i> , 2014, 145, 911-920.	0.9	9
21	Self-assembly of {W <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> : Syntheses and structures of high-valent tungsten compounds. <i>Inorganic Chemistry Communication</i> , 2014, 42, 5-9.	1.8	3
22	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
23	Structures of polymorphic forms of trans-(PyH)[MoCl <sub>4</sub> (Py) <sub>2</sub> ]: Conformational isomerism of the trans-[MoCl <sub>4</sub> (Py) <sub>2</sub> ] <sup>+</sup> ion. <i>Journal of Molecular Structure</i> , 2013, 1042, 112-117.	1.8	0
24	Molybdenum(V) complexes with formate: Geometric isomerism of the [Mo <sub>2</sub> O <sub>4</sub> Cl <sub>2</sub> (Py) <sub>2</sub> (HCOO)] <sup>+</sup> ion. <i>Journal of Molecular Structure</i> , 2013, 1051, 354-360.	1.8	6
25	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
26	Polymorphism of <i>mer</i> -[MoO <sub>4</sub> Cl <sub>2</sub> (Py) <sub>2</sub> ] <sup>+</sup> ion. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 340-343.	0.4	2
27	Hydrogen-Bonding in Two Pyridinium Salts of [Mo <sub>2</sub> O <sub>4</sub> Cl <sub>2</sub> (dmsH) <sub>2</sub> ] <sup>+</sup> Complex (dmsH <sup>+</sup> = a) Tj ETQq1 1 0.784314 rgBT <sub>1</sub> /Overloc	1.0	1
28	Supramolecular framework of a dinuclear cadmium complex with a dianion of xanthurenic acid [Cd <sub>2</sub> (Xan) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ]. <i>Monatshefte für Chemie</i> , 2012, 143, 1643-1648.	0.9	6
29	Oxidative cleavage of 3-phenyllactic acid in presence of molybdenum complexes. <i>Inorganic Chemistry Communication</i> , 2012, 23, 50-53.	1.8	6
30	Synthesis, structure and properties of tetrachlorido[N <sub>2</sub> ,N <sub>2</sub> ,N <sub>4</sub> ,N <sub>4</sub> ,N <sub>6</sub> ,N <sub>6</sub> -hexakis((pyridin-2-yl)methyl)-1,3,5-triazine-2,4,6-triamine]dicopper(II) bis(acetonitrile), [Cu <sub>2</sub> Cl <sub>4</sub> (L)] <sup>+</sup> ·2CH <sub>3</sub> CN. <i>Journal of Molecular Structure</i> , 2012, 1013, 36-38.	1.8	4
31	Synthesis and characterization of two copper(II) compounds with xanthurenic acid. <i>Monatshefte für Chemie</i> , 2012, 143, 413-420.	0.9	6
32	Synthesis and Crystal Structures of <i>trans</i> -Phenyl- and <i>trans</i> -Trifluoromethyl- <i>trans</i> -(2-pyridyl-N-oxide)ethanols and <i>trans</i> -Phenyl- <i>trans</i> -(2-pyridyl-N-oxide)ethylene. <i>Journal of Chemical Crystallography</i> , 2011, 41, 386-390.	0.5	1
33	The mononuclear tungsten(V) complexes: The preparation and the X-ray structures of a series of [WOX <sub>4</sub> (H <sub>2</sub> O)] <sup>+</sup> (X = Cl, Br) salts. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1369-1372.	1.8	3
34	Asymmetric synthesis of SMS-Phos series <sup>TM</sup> precursor and a naphthalene analogue. <i>Tetrahedron Letters</i> , 2011, 52, 1086-1089.	0.7	21
35	Pyrazine <sup>TM</sup> -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
36	Syntheses and a Solid State Structure of a Dinuclear Molybdenum(V) Complex with Pyridine. <i>Materials</i> , 2010, 3, 150-157.	1.3	3

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37	Proficiency of the electron-deficient 1,3,5-triazine ring to generate anion-π and lone pair-π interactions. <i>CrystEngComm</i> , 2010, 12, 3057.	1.3	33
38	En route to {Mo <sub>2</sub> O <sub>2</sub> ( $\frac{1}{4}$ -O) <sub>2</sub> } <sup>2+</sup> 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
39	EDA Complexes of N-halosaccharins with N- and O-donor ligands. <i>New Journal of Chemistry</i> , 2009, 33, 2344.	1.4	28
40	Acetato complexes of molybdenum(V): A novel tetranuclear core based on the metal-metal bonded {Mo <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> units. <i>Inorganica Chimica Acta</i> , 2008, 361, 2863-2870.	1.2	14
41	Complexation of Molybdenum(V) with Glycolic Acid: An Unusual Orientation of Glycolato Ligand in {Mo <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 3625-3633.	1.9	41
42	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
43	New molybdenum(V) complexes based on the {Mo <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> structural core with esters or anions of malonic and succinic acid. <i>Inorganica Chimica Acta</i> , 2007, 360, 663-678.	1.2	18
44	Crystallographic Evidence of Nitrate-π Interactions Involving the Electron-Deficient 1,3,5-Triazine Ring. <i>Inorganic Chemistry</i> , 2006, 45, 6637-6645.	1.9	92
45	Crystal structures and cytotoxicity of isopropylamine Pt(II) complexes: A trinuclear squarato-bridged [Pt <sub>3</sub> ( $\frac{1}{4}$ -C <sub>4</sub> O <sub>4</sub> ) <sub>3</sub> (H <sub>2</sub> NPri) <sub>6</sub> ] $\cdot$ 3H <sub>2</sub> O and a mononuclear cis-[Pt(NO <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> NPri) <sub>2</sub> ]. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1465-1471.	1.5	9
46	Novel Methanol-Containing Oxomolybdate(V) Complexes: Synthesis and Structural Characterisation of Intermediates in the Formation of {Mo <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> Clusters from [MoOCl <sub>4</sub> (H <sub>2</sub> O)] <sup>-</sup> and [MoOBr <sub>4</sub> ] <sup>-</sup> Precursors. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1698-1709.	1.0	38
47	Dinuclear Oxomolybdate(V) Species with Oxalato and Pyridine Ligands Revisited: cis/trans Isomerization of [Mo <sub>2</sub> O <sub>4</sub> ( $\frac{1}{2}$ -C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> (R-Py) <sub>2</sub> ] <sup>2-</sup> (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
48	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
49	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
50	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
51	A Series of Molybdenum(V) Complexes with the Oxalato Ligand Engaged in Different Binding Roles: An Unusual Staggered Conformation of the $\frac{1}{4}$ -Oxalate in [{Mo <sub>2</sub> O <sub>4</sub> ( $\frac{1}{2}$ -C <sub>2</sub> O <sub>4</sub> ) <sub>2</sub> ( $\frac{1}{4}$ -C <sub>2</sub> O <sub>4</sub> ) <sub>6</sub> ] <sup>n-</sup> . <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1611-1620.	1.0	38
52	Novel hydrogenmaleato molybdenum(V) complexes based on a dinuclear metal-metal bonded unit: syntheses and structural characterization of (PyH) <sub>3</sub> [Mo <sub>2</sub> O <sub>4</sub> Cl <sub>4</sub> (OOCCH <sub>2</sub> CHCOOH)] and (PyH) <sub>3</sub> [Mo <sub>2</sub> O <sub>4</sub> Br <sub>4</sub> (OOCCH <sub>2</sub> CHCOOH)] $\cdot$ CH <sub>3</sub> CN. <i>Inorganic Chemistry Communication</i> , 2004, 7, 516-520.	1.8	10
53	From Small {Mo <sub>2</sub> O <sub>4</sub> } <sup>2+</sup> Aggregates to Infinite Solids. <i>ChemInform</i> , 2003, 34, no.	0.1	0
54	The solvothermal synthesis and the crystal structure of polymeric N-methylpyridinium octamolybdate(VI), (Me $\pi$ -NC <sub>5</sub> H <sub>5</sub> ) <sub>4</sub> n[Mo <sub>8</sub> O <sub>26</sub> ] <sub>n</sub> . <i>Inorganic Chemistry Communication</i> , 2003, 6, 506-512.	1.8	41

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55	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 $[\text{Mo}_4\text{O}_8(\text{C}_4\text{O}_4)_4]^{4-}$ . Dalton Transactions, 2003, , 4618-4625.	1.6	58
56	Lithium complexes with a $[\text{Cp}^*\text{Ti}_2\text{F}_7]^{2-}$ ligand: 19F NMR probe for lithium solvation Electronic supplementary information (ESI) available: optimised cartesian coordinates. See <a href="http://www.rsc.org/suppdata/dt/b2/b207685c/">http://www.rsc.org/suppdata/dt/b2/b207685c/</a> . Dalton Transactions, 2003, , 420-425.	1.6	9
57	The first oxalate-bridged one-dimensional polymer containing MoV dimers with single metal-metal bonds. Syntheses and structures of $(\text{MeNC}_5\text{H}_5)_2\text{n}[\text{Mo}_2\text{O}_4(\text{C}_2\text{O}_4)\text{Cl}_2]_n$ and $(3\text{-MePyH})_2\text{n}[\text{Mo}_2\text{O}_4(\text{C}_2\text{O}_4)\text{Cl}_2]_n$ . Dalton Transactions RSC, 2002, , 4582-4586.	2.3	40
58	A templated synthesis of tetranuclear polyoxoalkoxymolybdates(v). Bromo coordinated oxomolybdenum(v) clusters: known core structure with new ligands. Oxidation to the Lindquist anion. Dalton Transactions RSC, 2002, , 1500-1507.	2.3	32
59	From Small $\{\text{Mo}_2\text{O}_4\}^{2+}$ Aggregates to Infinite Solids. Journal of Cluster Science, 2002, 13, 279-302.	1.7	37
60	A decanuclear oxomolybdenum(V,VI) cluster with 4-isopropylpyridine. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 246-247.	0.4	4
61	Structural isomerism among octanuclear oxomolybdenum(V) coordination compounds with pyridines. Two isomers of $[\text{Mo}_8\text{O}_{16}(\text{OCH}_3)_8(\text{R-Py})_4]$ . Inorganica Chimica Acta, 2001, 322, 113-119.	1.2	20
62	Synthesis and structure of a high-nuclearity oxomolybdenum(V) complex, $[\text{Mo}_{12}\text{O}_{28}(\text{OC}_2\text{H}_5)_4(\text{C}_6\text{H}_7\text{N})_8]$ . Inorganic Chemistry Communication, 2001, 4, 537-540.	1.8	11
63	Oxomolybdenum coordination compounds with pyridine. Syntheses and structures of $[\text{Mo}_4\text{O}_8(\text{OCH}_3)_2\text{Cl}_2\text{L}_4] \cdot 2\text{L}$ (L=Py, 4-MePy), $[\text{Mo}_4\text{O}_8(\text{OCH}_3)_4(4\text{-MePy})_4]$ , $[\text{Mo}_6\text{O}_{12}(\text{OCH}_3)_6\text{Py}_4]$ and $[\text{Mo}_{10}\text{O}_{26}\text{Py}_8] \cdot 7\text{Py}$ . Inorganica Chimica Acta, 2000, 307, 33-41.	1.2	20
64	A 4-ethylpyridine complex of tetrachloromolybdenum(III) and its oxidation product. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 780-782.	0.4	5
65	Octanuclear oxomolybdenum(V) clusters with pyridine or alkyl-substituted pyridines: crystal structures of $[\text{Mo}_8\text{O}_{16}(\text{OCH}_3)_8\text{L}_4]$ (L=3-methylpyridine, 3,5-lutidine). Polyhedron, 2000, 19, 1219-1225.	1.0	15
66	Oxomolybdenum coordination compounds with alkyl-substituted pyridines. Solvothermal syntheses and structural characterization of $[\text{Mo}_{10}\text{O}_{26}(3,5\text{-Lut})_8] \cdot 2(3,5\text{-Lut})$ , $[\text{Mo}_{10}\text{O}_{26}(3\text{-MePy})_8] \cdot (3\text{-MePy})$ , $[\text{Mo}_{10}\text{O}_{26}(3\text{-MePy})_8]$ and $[\text{Mo}_{12}\text{O}_{28}(\text{OCH}_3)_2\text{Cl}_2(3\text{-MePy})_8]$ . Polyhedron, 2000, 19, 1407-1414.	1.0	16
67	Title is missing!. Journal of Chemical Crystallography, 2000, 30, 345-349.	0.5	3
68	Alkylpyridine Complexes of Tungsten(II) and Chromium(II). First Rotational Isomers of $\text{W}_2\text{X}_4\text{L}_4$ Molecules with D <sub>2h</sub> and D <sub>2</sub> Symmetries. Inorganic Chemistry, 2000, 39, 5407-5411.	1.9	9
69	Mixed Chloride/Amine Complexes of Dimolybdenum(II,II). 5. Experimental and Theoretical Study of the Rotation Conformational Preferences of $\text{Mo}_2\text{Cl}_4(\text{R-py})_4$ (R-py = Substituted Pyridine) Molecules. Journal of the American Chemical Society, 1999, 121, 11758-11761.	6.6	7
70	Mixed Chloride/Amine Complexes of Dimolybdenum(II,II). 4. Rotational Isomers of $\text{Mo}_2\text{Cl}_4(\text{R-py})_4$ (R-py =) Tj ETQq0,0,0 rgBT /Qverlock 1	1.9	9
71	Synthesis and identification of pentachloropyridinemolybdate(III) and pentabromopyridinemolybdate(III): crystal structures of $[\text{NH}_2(\text{CH}_3)_2]_2[\text{MopyCl}_5]$ and $[\text{N}(\text{CH}_3)_4]_2[\text{MopyCl}_5]$ (py = pyridine). Inorganica Chimica Acta, 1995, 229, 421-424.	1.2	6