

# Rudy L Luck

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/208446/publications.pdf>

Version: 2024-02-01

152  
papers

2,508  
citations

218381

26  
h-index

301761

39  
g-index

158  
all docs

158  
docs citations

158  
times ranked

2319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Color Tuning of Polyfluorene Emission with BODIPY Monomers. <i>Macromolecules</i> , 2009, 42, 1995-2001.	2.2	106
2	Synthesis and Catalytic Epoxidation Activity with TBHP and H <sub>2</sub> O <sub>2</sub> of Dioxo-, Oxoperoxo-, and Oxodiperoxo Molybdenum(VI) and Tungsten(VI) Compounds Containing Monodentate or Bidentate Phosphine Oxide Ligands: Crystal Structures of WCl <sub>2</sub> (O) <sub>2</sub> (OPMePh <sub>2</sub> ) <sub>2</sub> , WCl <sub>2</sub> (O)(O <sub>2</sub> )(OPMePh <sub>2</sub> ) <sub>2</sub> , MoCl <sub>2</sub> (O) <sub>2</sub> dppmO <sub>2</sub> ·C <sub>4</sub> H <sub>10</sub> O, WCl <sub>2</sub> (O) <sub>2</sub> dppmO <sub>2</sub> , Mo(O)(O <sub>2</sub> ) <sub>2</sub> dppmO <sub>2</sub> , and W(O)(O <sub>2</sub> ) <sub>2</sub> dppmO <sub>2</sub> . <i>Inorganic Chemistry</i> , 2006, 45, 10391-10402.	1.9	88
3	Dihydrogen vs. dihydride. Correlations between electrochemical or UV PES data and force constants for carbonyl or dinitrogen ligands in octahedral, d <sub>6</sub> complexes and their use in explaining the behavior of the dihydrogen ligand. <i>Inorganic Chemistry</i> , 1987, 26, 2674-2683.	1.9	71
4	Near-infrared fluorescent probes with BODIPY donors and rhodamine and merocyanine acceptors for ratiometric determination of lysosomal pH variance. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 1-13.	4.0	63
5	New near-infrared rhodamine dyes with large Stokes shifts for sensitive sensing of intracellular pH changes and fluctuations. <i>Chemical Communications</i> , 2018, 54, 7625-7628.	2.2	62
6	New polynuclear compounds of iron(II) chloride with oxygen donor ligands Part I. Fe <sub>4</sub> Cl <sub>8</sub> (THF) <sub>6</sub> : synthesis and a single crystal X-ray structure determination. <i>Inorganica Chimica Acta</i> , 1991, 179, 11-15.	1.2	57
7	New molybdenum(VI) catalysts for the epoxidation of cyclohexene: synthesis, reactivity and crystal structures. <i>Inorganica Chimica Acta</i> , 2004, 357, 3223-3229.	1.2	54
8	Controlled Knoevenagel reactions of methyl groups of 1,3,5,7-tetramethyl BODIPY dyes for unique BODIPY dyes. <i>RSC Advances</i> , 2012, 2, 404-407.	1.7	52
9	Near-infrared fluorescent probes based on TBET and FRET rhodamine acceptors with different p <i>K</i> <sub>a</sub> values for sensitive ratiometric visualization of pH changes in live cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 198-209.	2.9	52
10	Reduction of rhenium pentachloride in the presence of methyldiphenylphosphine to give mer-ReCl <sub>3</sub> (PMePh <sub>2</sub> ) <sub>3</sub> , ReCl(η <sup>2</sup> -H <sub>2</sub> )(PMePh <sub>2</sub> ) <sub>4</sub> , ReH <sub>3</sub> (PMePh <sub>2</sub> ) <sub>4</sub> , or ReCl(CO) <sub>3</sub> (PMePh <sub>2</sub> ) <sub>2</sub> , depending on conditions. <i>Inorganic Chemistry</i> , 1989, 28, 2181-2186.	1.9	49
11	[NiL] <sub>3</sub> [BTC]·2H <sub>2</sub> O [L = 1,3,10-bis(2-ethyl)-1,3,5,8,10,12-hexaazacyclotetradecane, BTC = 1,3,5-benzenetricarboxylate]: synthesis, structure and unique selective guest molecule absorption properties. <i>New Journal of Chemistry</i> , 2002, 26, 969-971.	1.4	48
12	Synthesis, characterization and reactivity of MoCl <sub>2</sub> (O)(O <sub>2</sub> )(OPR <sub>3</sub> ) <sub>2</sub> , OPR <sub>3</sub> =OPMePh <sub>2</sub> , OPPh <sub>3</sub> ; an isomerization catalyst for some allylic alcohols. <i>Inorganic Chemistry Communication</i> , 2002, 5, 384-387.	1.8	48
13	Strong interaction between an aliphatic carbon-hydrogen bond and a metal atom: the structure of (diethylbis(1-pyrazolyl)borato)allyldicarbonylmolybdenum(II). <i>Inorganic Chemistry</i> , 1989, 28, 3210-3213.	1.9	46
14	Enthalpies of vaporization of some highly branched hydrocarbons. <i>Journal of Chemical Thermodynamics</i> , 1995, 27, 693-705.	1.0	46
15	Ratiometric fluorescent probes based on through-bond energy transfer of cyanine donors to near-infrared hemicyanine acceptors for mitochondrial pH detection and monitoring of mitophagy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1603-1615.	2.9	43
16	Mechanistic Studies of C≡C Bond Cleavage of Nitriles by Dinuclear Metal Cryptates. <i>Chemistry - A European Journal</i> , 2009, 15, 12399-12407.	1.7	38
17	Cell Membrane-Specific Fluorescent Probe Featuring Dual and Aggregation-Induced Emissions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20172-20179.	4.0	38
18	Cyclooctene epoxidation with H <sub>2</sub> O <sub>2</sub> and single crystal X-ray determined crystal structures of new molybdenum and tungsten catalysts bearing the hydrophilic ligand hydroxymethyldiphenylphosphine oxide. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1564-1571.	0.8	35

#	ARTICLE	IF	CITATIONS
19	New Near-Infrared Fluorescent Probes with Single-Photon Anti-Stokes-Shift Fluorescence for Sensitive Determination of pH Variations in Lysosomes with a Double-Checked Capability. <i>ACS Applied Bio Materials</i> , 2018, 1, 549-560.	2.3	35
20	X-ray crystal structure of $\text{ReH}_5(\text{PPh}_3)_3$ and variable-temperature T1 studies of $\text{ReH}_5(\text{PPh}_3)_3$ and $\text{ReH}_5(\text{PMe}_2\text{Ph})_3$ in various solvents; are T1 measurements reliable in predicting whether polyhydride complexes contain molecular hydrogen ligands?. <i>Journal of the American Chemical Society</i> , 1989, 111, 5757-5761.	6.6	33
21	Sol-gel synthesis, characterization and catalytic property of silicas modified with oxomolybdenum complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 241, 8-14.	4.8	32
22	A near-infrared fluorescent probe based on a hemicyanine dye with an oxazolidine switch for mitochondrial pH detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 857-863.	2.9	30
23	Interlocking frameworks. A consequence of enlarging spacers from 4-pyridinecarboxylate to 4-(4-pyridyl)benzoate. <i>Inorganica Chimica Acta</i> , 2003, 351, 345-355.	1.2	29
24	$[\text{NiL}_1]_3[\text{Cr}(\text{CN})_6]_2 \cdot 18\text{H}_2\text{O}$ [L1=3,10-bis(2-hydroxyethyl)-1,3,5,8,10,12-hexaazacyclotetradecane]: a two-dimensional bimetallic assembly exhibiting antiferromagnetic ordering and metamagnetic behavior. <i>New Journal of Chemistry</i> , 2001, 25, 875-878.	1.4	28
25	Oxidation of olefins using atmospheric oxygen atoms initiated by tert-butylhydroperoxide or hydrogen peroxide with silver nanoparticles deposited on MCM-41 as catalysts. <i>Green Chemistry</i> , 2016, 18, 3354-3359.	4.6	27
26	Near-Infrared Hybrid Rhodol Dyes with Spiropyran Switches for Sensitive Ratiometric Sensing of pH Changes in Mitochondria and <i>Drosophila melanogaster</i> First-Instar Larvae. <i>ACS Applied Bio Materials</i> , 2019, 2, 4986-4997.	2.3	27
27	Solution and solid-state conformational isomers of the molecular dihydrogen complex chloro(dihydrogen)tetrakis(methyldiphenylphosphine)rhenium: does it contain an asymmetric molecular dihydrogen ligand?. <i>Inorganic Chemistry</i> , 1991, 30, 767-774.	1.9	26
28	Packing and compositional disorder with $\text{MoO}_2\text{Cl}_2(\text{OPMePh}_2)_2$ , $\text{MoOCl}_3(\text{OPMePh}_2)_2$ and $\text{MoCl}_4(\text{OPMePh}_2)_2$ as assessed by single crystal X-ray diffraction. <i>Inorganica Chimica Acta</i> , 2003, 342, 247-254.	1.2	26
29	A Near-Infrared Fluorescent Probe Based on a FRET Rhodamine Donor Linked to a Cyanine Acceptor for Sensitive Detection of Intracellular pH Alternations. <i>Molecules</i> , 2018, 23, 2679.	1.7	26
30	Syntheses and crystal structures of syn and gauche isomers of the chloride-bridged face-sharing bioctahedral molybdenum(III) dimers $[\text{P}(\text{HMe}_3)]_2[\text{Mo}_2\text{Cl}_7(\text{PMe}_3)_2]$ . <i>Inorganic Chemistry</i> , 1989, 28, 182-187.	1.9	24
31	Tertiary phosphine complexes of chromium(III): syntheses, magnetic properties, and single-crystal structure studies on $\text{Cr}_2\text{Cl}_6(\text{PMe}_3)_4$ , $\text{Cr}_2\text{Cl}_6(\text{PEt}_3)_4$ , and $\text{Cr}_2\text{Cl}_6(\text{dmpm})_2$ . <i>Inorganic Chemistry</i> , 1990, 29, 1802-1806.	1.9	24
32	Detecting Zn(II) Ions in Live Cells with Near-Infrared Fluorescent Probes. <i>Molecules</i> , 2019, 24, 1592.	1.7	23
33	Heterobimetallic edge-sharing bioctahedral complexes. Synthesis, characterization, and singlet-triplet separations as determined by phosphorus-31 nuclear magnetic resonance. <i>Inorganic Chemistry</i> , 1992, 31, 5308-5315.	1.9	22
34	A ratiometric near-infrared fluorescent probe based on a novel reactive cyanine platform for mitochondrial pH detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5150-5161.	2.9	21
35	Rhenium Dihydrogen Complexes and Long H-H Interactions: X-ray-Determined Single-Crystal Structures of $\text{ReCl}(\eta^2\text{-H}_2)(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2 \cdot \text{THF}$ and $[\text{ReO}_2(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2][\text{ReO}_4]$ . <i>Inorganic Chemistry</i> , 1994, 33, 879-883.	1.9	20
36	Synthesis and substitution reactions of $\text{Mo}(\eta^6\text{-PhPMePh})(\text{PMePh}_2)_3$ . The crystal and molecular structure of $\text{Mo}(\eta^6\text{-PhPMePh})(\text{CNCMe}_3)(\text{PMePh}_2)_2$ . <i>Organometallics</i> , 1984, 3, 247-255.	1.1	19

#	ARTICLE	IF	CITATIONS
37	Preparation and structure of $[\text{Cl}_2\text{W}(\mu\text{-Cl})(\mu\text{-dmpm})_2(\mu\text{-}2\text{-PMe}_2)\text{WCl}(\eta\text{-}2\text{-CH}_2\text{PMe}_2)]\text{Cl}$ , a product of an unusual cleavage of the dmpm ligand. <i>Organometallics</i> , 1991, 10, 352-356.	1.1	19
38	Syntheses of symmetric and unsymmetric 2,6-bis(phosphino)phenols. <i>Heteroatom Chemistry</i> , 2006, 17, 656-663.	0.4	19
39	Synthesis of cyclic allyl vinyl ethers using Pt(II)-catalyzed isomerization of oxo-alkynes. <i>Tetrahedron</i> , 2009, 65, 2643-2648.	1.0	19
40	Synthesis and characterization of four cubical molybdenum(V) tetramers and their catalytic properties for the epoxidation of cis-cyclooctene using $\text{H}_2\text{O}_2$ . <i>Inorganica Chimica Acta</i> , 2011, 373, 85-92.	1.2	19
41	Near-infrared fluorescent probe based on cyanine scaffold for sensitive detection of uranyl ions in living cells and water samples. <i>Microchemical Journal</i> , 2022, 180, 107619.	2.3	19
42	Variable temperature T1 studies on rhenium hydrido phosphine complexes, $\text{ReH}_5(\text{PPh}_3)_3$ , $\text{PR}_3=\text{PMePh}_2$ and $\text{PPh}_3$ , $\text{ReH}_7(\text{PPh}_3)_2$ , and $\text{Re}_2\text{H}_8(\text{PPh}_3)_4$ . Classical or nonclassical hydrides?. <i>Inorganic Chemistry</i> , 1989, 28, 6-8.	1.9	18
43	A FRET-Based Near-Infrared Fluorescent Probe for Ratiometric Detection of Cysteine in Mitochondria. <i>ChemBioChem</i> , 2019, 20, 1986-1994.	1.3	18
44	Solid-state geometric isomers of octahydridotetrakis(triphenylphosphine)dirhenium. <i>Inorganic Chemistry</i> , 1989, 28, 4522-4527.	1.9	17
45	Sorption and coprecipitation of trace concentrations of thorium with various minerals under conditions simulating an acid uranium mill effluent environment. <i>Inorganica Chimica Acta</i> , 1995, 229, 247-252.	1.2	17
46	Quadruply Bonded Dimolybdenum Atoms Surrounded by Dendrons: Preparation, Characterization, and Electrochemistry. <i>Journal of the American Chemical Society</i> , 2001, 123, 3615-3616.	6.6	17
47	Synthesis and Characterization of $\text{ReCl}(\text{H}_2)(\text{AsMePh}_2)_4$ , a Classical Hydride Complex; Reexamination of $\text{ReCl}(\text{H}_2)(\text{PMePh}_2)_4$ and Theoretical Calculations on Model Compounds. <i>Inorganic Chemistry</i> , 2001, 40, 3463-3467.	1.9	17
48	Circularly polarized luminescence and structural studies of a dysprosium(III) complex with an octadentate macrocyclic ligand bearing benzylphosphinate groups. <i>Inorganica Chimica Acta</i> , 2001, 317, 331-337.	1.2	17
49	Molecular architecture via coordination and multi-intermolecular interactions. <i>Inorganica Chimica Acta</i> , 2003, 355, 229-241.	1.2	17
50	Use of $\eta\text{-}6\text{-arylphosphine}$ complexes of molybdenum(0) for the synthesis of complexes containing molybdenum-molybdenum and molybdenum-tungsten quadruple bonds. <i>Journal of the American Chemical Society</i> , 1984, 106, 7978-7979.	6.6	16
51	Reversible binding of dinitrogen and dihydrogen by $(\eta\text{-}6\text{-phenylmethylphenylphosphine})\text{tris}(\text{methylphenylphosphine})\text{molybdenum}$ ( $\text{Mo}(\eta\text{-}6\text{-PhPMePh})(\text{PMePh}_2)_3$ ): use of $[\text{9-BBN}]_2$ as a phosphine sponge reagent. <i>Inorganic Chemistry</i> , 1984, 23, 1489-1491.	1.9	16
52	Complexes containing unbridged homonuclear or heteronuclear quadruple bonds. Crystal and molecular structures of $\text{MoWCl}_4(\text{PMePh}_2)_4$ , $\text{MoWCl}_4(\text{PMe}_3)_4$ , and $\text{Cl}_2(\text{PMe}_3)_2\text{MoWCl}_2(\text{PMePh}_2)_2$ . <i>Inorganic Chemistry</i> , 1987, 26, 2422-2429.	1.9	16
53	Biological monitoring of workers exposed to benzene in the coke oven industry. <i>Occupational and Environmental Medicine</i> , 1988, 45, 256-261.	1.3	16
54	Structure of $[\text{Ag}(\text{PPh}_3)_4]\text{PF}_6$ . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1989, 45, 1222-1224.	0.4	16

#	ARTICLE	IF	CITATIONS
55	Variable-temperature proton NMR spectra and T1 measurements on the dinuclear octahydride complexes octahydridotetrakis(phosphine)dirhenium (phosphine = PPh <sub>3</sub> , PEt <sub>2</sub> Ph, PMe <sub>2</sub> Ph, PMe <sub>3</sub> ) and the monohydride complexes bis(cyclopentadienyl)hydridorhenium and bis[bis(diphenylphosphino)methane]dicarbonyltrichlorohydridorhenium. <i>Inorganic Chemistry</i> , 1990, 29, 43-47.	1.9	16
56	Synthesis and characterization of the first multiply bonded [molybdenum-tungsten] heteronuclear edge-sharing bioctahedral complex, MoWCl <sub>4</sub> (μ-Cl)(μ-H)(μ-dppm) <sub>2</sub> . <i>Inorganic Chemistry</i> , 1991, 30, 4370-4373.	1.9	16
57	New polynuclear compounds of iron(II) chloride with oxygen donor ligands Part II. Polymeric [FeCl <sub>2</sub> (OPMe <sub>3</sub> )] <sub>n</sub> and mononuclear FeCl <sub>2</sub> (OPMe <sub>3</sub> ) <sub>2</sub> . Syntheses, properties and single crystal structure determinations. <i>Inorganica Chimica Acta</i> , 1991, 184, 177-183.	1.2	16
58	A Two-Dimensional, Hydrogen-Bond-Cross-Linked Molybdenum(VI) Network Polymer with Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1215-1218.	1.0	16
59	Novel benzoferrocenyl chiral ligands: Synthesis and evaluation of their suitability for asymmetric catalysis. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1956-1962.	0.8	16
60	1,4-Bis(phosphine)-2,5-difluoro-3,6-dihydroxybenzenes and their P-oxides: Syntheses, structures, ligating and electronic properties. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3263-3272.	0.8	16
61	Complexes [Mo(N <sub>2</sub> )(PPh <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> and [Mo(CNR)(PPh <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> (R = n-butyl and tert-butyl) containing bridging η <sup>1</sup> ,η <sup>6</sup> -triphenylphosphine ligands. The molecular structure of [Mo(μ-η <sup>1</sup> ,η <sup>6</sup> -PPh <sub>3</sub> )(PPh <sub>3</sub> )(CN(CH <sub>2</sub> ) <sub>3</sub> Me)] <sub>2</sub> . <i>Organometallics</i> , 1984, 3, 1009-1014.	1.1	15
62	Bromodicarbonyl(1-3-1-phenylallyl)bis(pyrazole)molybdenum(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990, 46, 138-140.	0.4	15
63	A dichromium(II) compound that avoids Cr—Cr bond formation by adopting a bizarre structure: Cr <sub>2</sub> Cl <sub>4</sub> (dmpm) <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 1990, 168, 3-4.	1.2	15
64	Another bogus isomer: sic transit "green tetrachlorotetrakis(methyldiphenylphosphine)dimolybdenum". The x-ray crystal structure determination of trichlorobis(methyldiphenylphosphine oxide)oxomolybdenum.benzene. <i>Inorganic Chemistry</i> , 1993, 32, 1868-1870.	1.9	15
65	Allylic Alcohol Isomerization and Mechanistic Considerations with CH <sub>3</sub> ReO <sub>3</sub> . <i>Organometallics</i> , 2004, 23, 4522-4525.	1.1	15
66	Crystal structures of MoCl <sub>2</sub> (O)(O <sub>2</sub> )(OPMePh <sub>2</sub> ) <sub>2</sub> and mixtures of MoCl <sub>2</sub> (O <sub>2</sub> )(OPPh <sub>3</sub> ) <sub>2</sub> and MoCl <sub>2</sub> (O)(O <sub>2</sub> )(OPPh <sub>3</sub> ) <sub>2</sub> : allylic alcohol isomerization studies using MoCl <sub>2</sub> (O)(O <sub>2</sub> )(OPMePh <sub>2</sub> ) <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 2005, 358, 933-940.	1.2	15
67	Rational Synthesis of Molybdenum(V) Tetramers Consisting of [Mo <sub>2</sub> O <sub>4</sub> ] <sub>2</sub> <sup>+</sup> Dimers Held Together by Bridging Phosphinate Ligands and the Tungsten(VI) Dimer [(CH <sub>3</sub> O) <sub>2</sub> (O)W(1/4-O)(1/4-O <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> W(O)(CH <sub>3</sub> O) <sub>2</sub> ]: Structural and Theoretical Considerations. <i>Journal of Cluster Science</i> , 2008, 19, 181-195.	1.7	15
68	Ratiometric Detection of Glutathione Based on Disulfide Linkage Rupture between a FRET Coumarin Donor and a Rhodamine Acceptor. <i>ChemBioChem</i> , 2021, 22, 2282-2291.	1.3	15
69	Synthesis and characterization of a dimeric molybdenum(V) anion [Br <sub>2</sub> OMo(μ-S) <sub>2</sub> MoOBr <sub>2</sub> ] <sub>2</sub> <sup>-</sup> ; conversion of tetrahydrofuran to [nBu <sub>3</sub> P(CH <sub>2</sub> ) <sub>4</sub> PnBu <sub>3</sub> ] <sub>2</sub> <sup>+</sup> . <i>Inorganic Chemistry</i> , 1991, 30, 1155-1157.	1.9	14
70	Crystal and molecular structures of Mo <sub>2</sub> Cl <sub>4</sub> (PMePh <sub>2</sub> ) <sub>4</sub> and Re <sub>2</sub> Cl <sub>4</sub> (PMePh <sub>2</sub> ) <sub>4</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 579.	1.1	13
71	The Br and I analogues of ReCl(H <sub>2</sub> )(PMePh <sub>2</sub> ) <sub>4</sub> ; crystal structures of ReBr(H <sub>2</sub> )(PMePh <sub>2</sub> ) <sub>4</sub> and the [ReO <sub>2</sub> (Py) <sub>4</sub> ] <sup>+</sup> cation; possible solution state evidence of Re←H <sub>2</sub> N(Py) interactions as evident in T1 measurements. <i>Polyhedron</i> , 2001, 20, 773-782.	1.0	13
72	Oxidation of Alcohols with Hydrogen Peroxide Catalyzed by Molybdenum(VI) Peroxo Complex under Solvent-free Conditions. <i>Chemistry Letters</i> , 2007, 36, 1236-1237.	0.7	13

#	ARTICLE	IF	CITATIONS
73	es, X-ray Structural Characterizations, and Thermal Stabilities of Two Nonclassical Trinuclear Vanadium(IV) Complexes, $(V_3(\mu_3-O)_2(\mu_3-O)_2(\mu_2-O)_2)P(CH_2C_6H_5)_6$ and $(V_3(\mu_3-O)_2(\mu_3-O)_2(\mu_2-O)_2)P(CH_2C_6H_5)_6$		

#	ARTICLE	IF	CITATIONS
91	Syntheses and Structures of Three Complexes of Formulas $[L_3Co(\frac{1}{4}O)_2P(Bn)_2]_3Co$ $[L^3]$ , Featuring Octahedral and Tetrahedral Cobalt(II) Geometries; Variable-Temperature Magnetic Susceptibility Measurement and Analysis on $[(py)_3Co(\frac{1}{4}O)_2PBn_2]_3Co(py)[ClO_4]$ . <i>Inorganic Chemistry</i> , 2012, 51, 4903-4905.	1.9	10
92	Polymorphs or solvates? Coordination of 3,5-dihydroxybenzoate to copper and zinc metal centers. <i>Inorganica Chimica Acta</i> , 2013, 394, 729-740.	1.2	10
93	Dinitrogen versus $\eta^6$ -arene coordination in methylidiphenylphosphine complexes of molybdenum(0). <i>Journal of Organometallic Chemistry</i> , 1982, 238, C24-C26.	0.8	9
94	The structure of the face-sharing bioctahedral hexachloro(tris-triethylphosphino)-dimolybdenum(III) molecule. <i>Inorganica Chimica Acta</i> , 1990, 173, 131-132.	1.2	9
95	Direct photolytic route to trans-Cr(CO) <sub>4</sub> (AsPh <sub>3</sub> ) <sub>2</sub> and crystal structures of cis-Mo(CO) <sub>4</sub> (AsPh <sub>3</sub> ) <sub>2</sub> and cis-W(CO) <sub>4</sub> (AsPh <sub>3</sub> ) <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 2001, 318, 77-83.	1.2	9
96	On the nature of tinalconite. <i>American Mineralogist</i> , 2002, 87, 350-354.	0.9	9
97	Interpenetrating nets incis-bis(pyridine-4-carboxylate)nickel(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m152-m154.	0.4	9
98	A Reinvestigation of the Reactions of Amines and Alcohols with 6,9-Bis(Acetonitrile)Decaborane. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2006, 36, 777-785.	0.6	9
99	Ratiometric Near-Infrared Fluorescent Probes Based on Hemicyanine Dyes Bearing Dithioacetal and Formal Residues for pH Detection in Mitochondria. <i>Molecules</i> , 2021, 26, 2088.	1.7	9
100	2,4,4-Trimethyl-2-phenyl-3-pentanone oxime. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 602-603.	0.4	8
101	3D structures constructed by $\pi$ - $\pi$ and C-H $\cdots$ $\pi$ interactions. Synthesis, structures and selected guest molecule binding properties. <i>Inorganic Chemistry Communication</i> , 2003, 6, 455-458.	1.8	8
102	The Source of the Cloud Produced upon Adding Dry Ice to Water. <i>Journal of Chemical Education</i> , 1998, 75, 60.	1.1	7
103	Tetrakis( $\frac{1}{4}$ -4-chlorophenoxyacetato- $\eta^2O,O$ )dimolybdenum(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1191-m1193.	0.2	7
104	A two-photon fluorogenic probe based on a coumarin schiff base for formaldehyde detection in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121074.	2.0	7
105	The effects, assessed by electrochemical techniques and single crystal structures, of ortho substitution on benzoate ligands supporting the quadruply-bonded dimolybdenum bond. <i>Inorganica Chimica Acta</i> , 2002, 340, 147-154.	1.2	6
106	Synthesis and structural characterizations of para-bis(dialkyl/diarylphosphino)phenylenes built around tetrahalogenated benzene cores. <i>Inorganica Chimica Acta</i> , 2005, 358, 3423-3429.	1.2	6
107	Ferrosalen and Ferrosalen-Type Ligands: Structural Modulation and Applications in Asymmetric Catalysis. <i>Organometallics</i> , 2011, 30, 2609-2616.	1.1	6
108	Bimetallic nickel complexes supported by 2,5-bis(phosphine)-1,4-hydroquinonate ligands. Structural, electrochemical and theoretical investigations. <i>Inorganica Chimica Acta</i> , 2015, 424, 274-285.	1.2	6

#	ARTICLE	IF	CITATIONS
109	Photoluminescent properties of three lanthanide compounds of formulae $\text{LnCl}_3(\text{diphenyl}((5\text{-phenyl-1H-pyrazol-3-yl)methyl)phosphine oxide})_2$ , $\text{Ln} = \text{Sm, Eu and Tb}$ : X-ray structural, emission and vibrational spectroscopies, DFT and thermogravimetric studies. <i>Inorganica Chimica Acta</i> , 2018, 471, 481-492.	1.2	6
110	The influence of the steric properties of the ligands $\text{PR}_2\text{Ph}$ and $\text{L}$ on the formation and properties of the complexes $\text{Mo}(\text{I}-6\text{-PhPR}_2)(\text{L})(\text{PPh}_2\text{CH}_2\text{CH}_2\text{PPh}_2)$ , $\text{R} = \text{Et}$ , $\text{L} = \text{PPhEt}_2$ and $\text{R} = \text{Ph}$ , $\text{L} = \text{PPh}_3$ , $\text{PR} = \text{C}_2\text{F}_5$ , $\text{CO}$ , $\text{CNR}$ , $\text{N}_2$ , $\text{H}_2$ . <i>Journal of Organometallic Chemistry</i> , 1985, 284, 243-255.	0.8	5
111	The photoelectron spectrum of $\text{MoWCl}_4(\text{PMe}_3)_4$ : the position of the valence $f$ -ionization in quadruply bonded compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 898-899.	2.0	5
112	Synthesis of 2,6-Bis(bis(2-(methylthio)phenyl)phosphino)-4-methylphenol, a Novel Polydentate Ligand Containing Two Tripodal [S,S,P,O] Coordination Pockets; Crystal Structure of the Dimeric Thallium(I) Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1879-1884.	0.6	5
113	Hydrogen-bond-supported 3D Networks: Two Different Polymeric Structures Featuring Chlorine Atoms as Ligands and as Anions and Investigations as Epoxide Catalysts. <i>Chemistry Letters</i> , 2008, 37, 1144-1145.	0.7	5
114	Synthesis and Crystal Structure of the Octametallic Ferrocene Containing Molybdenum(V) Cluster $\text{Mo}_4(\mu_3\text{-O})_4(\mu_2\text{-O}_2\text{P}(\text{CH}_2)_2\text{Fc})_4\text{O}_4$ and Crystal Structure of 1,1'-Bis(Chloromethyl)Ferrocene. <i>Journal of Cluster Science</i> , 2012, 23, 713-726.	1.7	5
115	Structures of trimethylphosphonium trans-tetrachlorobis(trimethylphosphine)chromate(III), mer-trichlorobis(dimethylphenylphosphine)(dimethylphenylphosphine oxide)chromium(III) and mer-trichlorotris(trimethylphosphine oxide)molybdenum(III) dichloromethane solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1991, 47, 1069-1072.	0.4	4
116	Structure of bis[ <i>cis</i> -1,2-bis(diphenylphosphino)ethylene]dichlororhenium(II) hexane solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1993, 49, 1424-1426.	0.4	4
117	Reexamination of the structure of $\text{MoO}(\text{O}_2)_2(\text{H}_2\text{O})(\text{hmpa})$ , $\text{hmpa} = \text{hexamethylphosphoramide}$ by crystallographic and theoretical means. <i>Journal of Molecular Structure</i> , 2005, 754, 96-99.	1.8	4
118	Synthesis of Mo(V) Dimers of the Form $[\text{Mo}_2\text{O}_2(\text{acac})_2(\mu_3\text{-O})(\mu_2\text{-OC}_2\text{H}_5)(\mu_2\text{-O}_2\text{CR})]$ , the Tetramer $[\text{Mo}_2\text{O}_2(\text{acac})_2(\mu_3\text{-O})(\mu_2\text{-OC}_2\text{H}_5)(\mu_2\text{-O}_2\text{C})\text{C}_6\text{H}_4(\mu_2\text{-O}_2\text{C})\text{Mo}_2\text{O}_2(\text{acac})_2(\mu_3\text{-O})(\mu_2\text{-OC}_2\text{H}_5)]$ , and, the Crystal and Molecular Structures of $[\text{Mo}_2\text{O}_2(\text{acac})_2(\mu_3\text{-O})(\mu_2\text{-OC}_2\text{H}_5)(\mu_2\text{-O}_2\text{C})\text{C}_6\text{H}_5]$ and $[\text{Mo}_2\text{O}_2(\text{acac})_2(\mu_3\text{-O})(\mu_2\text{-OC}_2\text{H}_5)(\mu_2\text{-O}_2\text{C})\text{C}_6\text{H}_4(\text{o-OH})]$ . <i>Journal of Cluster Science</i> , 2010, 21, 525-541.	1.7	4
119	2-[(1-{3-(dimethylazanumyl)propyl}methylamino)ethylidene]azanumyl]nonahydro-closo-decaborate dimethyl sulfoxide disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1682-o1683.	0.2	4
120	Ditopic ligands featuring [P,S], [P,P] or [P,B] chelating pockets housed on a protected o-hydroquinone core. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 45-50.	0.8	4
121	Free-radical catalyzed oxidation reactions with cyclohexene and cyclooctene with peroxides as initiators. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	0.9	4
122	Use of electron-rich $\mu_3$ -arylphosphine complexes of molybdenum(O) as ligands in group 6 metal carbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 1988, 347, 349-364.	0.8	3
123	Polymeric (diphenylphosphinato)tetrahydrofuranlithium. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, m735-m736.	0.2	3
124	New binucleating ligand with two [P,S] chelation pockets on a single phenyl ring: Syntheses and X-ray structures of 1,4-bis(diphenylphosphino)-2,5-difluoro-3,6-bis(methylthio)benzene and of bimetallic complex $(\text{CO})_3\text{Fe}(\mu_3\text{-}[(\text{PPh}_2)(\text{SMe})\text{C}_6\text{F}_2(\text{SMe})(\text{PPh}_2)])\text{Fe}(\text{CO})_3$ . <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5024-5029.	0.8	3
125	Synthesis, structures and ligating properties of 2,6-bis(phosphino)thiophenol derivatives. <i>Inorganica Chimica Acta</i> , 2008, 361, 1349-1356.	1.2	3
126	Molybdenum(VI) network polymers based on anion- $\pi$ interaction and hydrogen bonding: Synthesis, crystal structures and oxidation catalytic application. <i>Solid State Sciences</i> , 2009, 11, 1955-1960.	1.5	3



#	ARTICLE	IF	CITATIONS
127	Synthesis and characterisation of new molybdenum $\mu$ -oxo complexes containing diphenylphosphinylacetic acid and 2-(tert-butylsulphoxide)phenyldiphenylphosphine oxide as bidentate ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 1818-1822.	1.2	3
128	Stereoselective synthesis of a chiral ferrosalen ligand using an aromatization strategy. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2047-2052.	0.8	3
129	Bis( $\frac{1}{4}$ -2,2-[(butane-2,3-diylidene)bis(azanylylidene)]dibenzenethiolato)dizinc(II)-dimethyl sulfoxide-methanol (2/0.18/0.82). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1116-1119.	0.4	3
130	tert-Butyl 2-(4-chlorobenzoyl)-2-methylpropanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o493-o494.	0.2	3
131	tert-Butyl 2-methyl-2-(4-nitrobenzoyl)propanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o495-o496.	0.2	3
132	tert-Butyl 2-methyl-2-(4-methylbenzoyl)propanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o491-o492.	0.2	3
133	tert-Butyl 2-benzoyl-2-methylpropanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o489-o490.	0.2	3
134	5-Deoxy-5-C-(5-ethoxycarbonyl-1,2,3-triazol-1-yl)-1,2-O-isopropylidene- $\beta$ -D-xylofuranose. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 120-122.	0.4	2
135	(2-Ethoxycarbonyl-3,5-dihydroxyphenyl)acetic acid monohydrate, an intermediate in the Pechmann reaction. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o1387-o1388.	0.2	2
136	Preparation and crystal structure of a quadruply bonded dimolybdenum complex with trans-crotonate ligands. <i>Journal of Chemical Crystallography</i> , 2006, 36, 205-210.	0.5	2
137	Hydrochloric Acid Modification and Lead Removal Studies on Naturally Occurring Zeolites from Nevada, New Mexico, and Arizona. <i>Processes</i> , 2021, 9, 1238.	1.3	2
138	Steric and Electronic Effects of Benzoferrocenyl Phosphine Ligands on Palladium-Catalyzed Allylic Alkylation and Suzuki Coupling Reactions. <i>Open Organic Chemistry Journal</i> , 2008, 2, 1-9.	0.9	2
139	Additions and Corrections - Reversible Binding of Dinitrogen and Dihydrogen by $\text{Mo}(\eta^6\text{-PhPMePh})(\text{PMePh}_2)_3$ . Use of $[\eta^9\text{-BBN}]_2$ as a Phosphine Sponge Reagent.. <i>Inorganic Chemistry</i> , 1984, 23, 1788-1788.	1.9	1
140	Tetraammonium benzene-1,2,4,5-tetracarboxylate tetrahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, e591-e591.	0.4	1
141	meso-1,2-Bis(methylazo)-1,2-diphenylethane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 1429-1430.	0.4	1
142	6-Methyl-11a,12-dihydro-6H-quino[3,2-b][1,4]benzothiazine: an amidine formed under unusual conditions. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o302-o303.	0.2	1
143	Synthesis and Structural Characterization of a Dimolybdenum Complex Bridged by the Hydroxymethylphenylphosphinate Ligand. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1317-1322.	0.5	1
144	Dicopper moieties stabilized by Fr $\ddot{A}$ chet-type dendrons: Syntheses and structural characterizations. <i>Polyhedron</i> , 2014, 80, 206-215.	1.0	1

#	ARTICLE	IF	CITATIONS
145	Syntheses and characterization of the vanadium trimer $(V_3(\mu_3-O)_2)(\mu_3-O)_2P(CH_2)_6$ and the vanadium hexamer $[V_3(\mu_3-O)_2](\mu_3-O)_2P(CH_2)_6$ . <i>Journal of Coordination Chemistry</i> , 2016, 69, 2342-2352.	0.8	1
146	(6S)-8-C-Chloro-6,7,8-trideoxy-1,2:3,4-di-O-isopropylidene- $\beta$ -D-galacto-octa-6,7-dienopyranose. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 236-238.	0.4	0
147	1-[(1,3-Dihydro-2-benzothienyl)acetyl]-1H-indole-5-oxide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1873-1874.	0.4	0
148	2-tert-Butyl-9,10-dibromoanthracene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 2090-2091.	0.4	0
149	The first dinuclear cobalt complex bridged by acetylamidate ligands: $di(\mu_2-O-N; \mu_2-N:O-di(\mu_2-O:O-bis[bis(pyridine-N)cobalt(III)] bis(perchlorate) acetonitrile disolvate$ . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, m233-m234.	0.4	0
150	Production of trimethylaluminum (Me <sub>3</sub> Al) with counterfeit refrigerant chloromethane (R-40), reactivity of Me <sub>3</sub> Al with refrigerant oils and methods to deactivate Me <sub>3</sub> Al. <i>Cogent Chemistry</i> , 2018, 4, 1487258.	2.5	0
151	Syntheses, X-ray structure, emission and vibrational spectroscopies, DFT and thermogravimetric oxide. <i>Journal of Coordination Chemistry</i> , 2019, 72, 2574-2585.	0.8	0
152	Syntheses, theoretical studies, and crystal structures of $[Ni(II)SSRR](PF_6)_2$ and $[Ni(II)SRSR](Cl)(PF_6)$ that contains anagostic interactions. <i>Canadian Journal of Chemistry</i> , 2021, 99, 137-146.	0.6	0