

# Craig C Mclauchlan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9303710/publications.pdf>

Version: 2024-02-01

46  
papers

1,096  
citations

516561

16  
h-index

395590

33  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxidovanadates' interactions with proteins: An overview. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214344.	9.5	78
2	2 $\beta$ -3 $\beta$ -Cyclic Nucleotide 3 $\beta$ -Phosphodiesterase Inhibition by Organometallic Vanadium Complexes: A Potential New Paradigm for Studying CNS Degeneration. <i>Brain Sciences</i> , 2021, 11, 588.	1.1	3
3	Exploring Wells-Dawson Clusters Associated With the Small Ribosomal Subunit. <i>Frontiers in Chemistry</i> , 2019, 7, 462.	1.8	6
4	Small molecule activation of nitriles coordinated to the [Re <sub>6</sub> Se <sub>8</sub> ] <sup>2+</sup> core: formation of oxazine, oxazoline and carboxamide complexes. <i>Dalton Transactions</i> , 2018, 47, 4653-4660.	1.6	14
5	Coordination environment changes of the vanadium in vanadium-dependent haloperoxidase enzymes. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 267-279.	1.5	42
6	Evidence That Speciation of Oxovanadium Complexes Does Not Solely Account for Inhibition of Leishmania Acid Phosphatases. <i>Frontiers in Chemistry</i> , 2018, 6, 109.	1.8	16
7	Metal Ion Complexes of <i>trans</i> -1,2-Diaminocyclohexane- <i>N,N</i> -Diacetic Acid, H <sub>2</sub> bpcd: Lanthanide(III) bpcd <sup>2+</sup> Cationic Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 3556-3567.	1.9	5
8	Does anion-cation organization in Na <sup>+</sup> -containing X-ray crystal structures relate to solution interactions in inhomogeneous nanoscale environments: Sodium-decavanadate in solid state materials, minerals, and microemulsions. <i>Coordination Chemistry Reviews</i> , 2017, 344, 115-130.	9.5	28
9	Studies of the Effectiveness of Bisphosphonate and Vanadium-Bisphosphonate Compounds <i>In Vitro</i> against Axenic <i>Leishmania tarentolae</i> . <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	13
10	Metal Ion Complexes of <i>trans</i> -1,2-Diaminocyclohexane- <i>N,N</i> -Diacetic Acid, H <sub>2</sub> bpcd: Cis/Trans Isomerization Equilibria. <i>Inorganic Chemistry</i> , 2015, 54, 10361-10370.	1.9	6
11	An Additional Method for Analyzing the Reversible Inhibition of an Enzyme Using Acid Phosphatase as a Model. <i>Current Enzyme Inhibition</i> , 2015, 11, 140-146.	0.3	1
12	Crystal structure of {2,2 $\beta$ -[ <i>N,N</i> -bis(pyridin-2-ylmethyl)cyclohexane- <i>trans</i> -1,2-diyldi(nitrilo)]diacetato}cobalt(III), hexafluoridophosphate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 380-384.	0.2	3
13	Vanadium $\beta$ -phosphatase complexes: Phosphatase inhibitors favor the trigonal bipyramidal transition state geometries. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 163-199.	9.5	115
14	Evaluating transition state structures of vanadium $\beta$ -phosphatase protein complexes using shape analysis. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 153-164.	1.5	33
15	Synthesis, characterization, and electrochemical properties of $\mu_4$ -oxalate bridged vanadium(III) and (IV) dimers incorporating the Kl $\beta$ ligand, CpPORCo (R=Me,Et). <i>Inorganica Chimica Acta</i> , 2014, 420, 159-165.	1.2	6
16	Metal Ion Complexes of <i>N,N</i> -Bis(2-Pyridylmethyl)-1,3-Diaminopropane- <i>N,N</i> -Diacetic Acid, H <sub>2</sub> bppd. <i>Inorganic Chemistry</i> , 2014, 53, 3404-3416.	1.9	8
17	Trigonal Bipyramidal or Square Pyramidal Coordination Geometry? Investigating the Most Potent Geometry for Vanadium Phosphatase Inhibitors. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4450-4468.	1.0	93
18	Vanadium in inorganic chemistry: excerpts from the 8th International Vanadium Symposium. <i>Dalton Transactions</i> , 2013, 42, 11744.	1.6	13

#	ARTICLE	IF	CITATIONS
19	{2,2'-[N,N'-Bis(pyridin-2-ylmethyl)propane-1,3-diyl]dinitrilo}cobalt(III) hexafluoridophosphate acetonitrile 0.064-solvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m296-m297.	0.2	3
20	Vanadium Complexes Are in vitro Inhibitors of Leishmania Secreted Acid Phosphatases. International Journal of Chemistry, 2013, 6, .	0.3	4
21	Phosph(on/in)ate-Bridged Vanadium(IV) Dimers: Synthesis and Characterization. Inorganic Chemistry, 2012, 51, 8719-8728.	1.9	6
22	Organo-Phosph(on/in)ate-Bridged Dimers of Vanadium(IV) Complexes with the $\mu$ -Ligand: Synthesis and Characterization. European Journal of Inorganic Chemistry, 2012, 2012, 4585-4592.	1.0	6
23	Inhibitory effects of decavanadate on several enzymes and Leishmania tarentolae In Vitro. Journal of Inorganic Biochemistry, 2012, 108, 96-104.	1.5	78
24	2,2,2-Tris(pyrazol-1-yl)ethanol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1133-o1134.	0.2	1
25	Inhibition of acid, alkaline, and tyrosine (PTP1B) phosphatases by novel vanadium complexes. Journal of Inorganic Biochemistry, 2010, 104, 274-281.	1.5	66
26	Synthesis, catalytic activity, phosphatase inhibition activity, and X-ray structural characterization of vanadium scorpionate complexes, (Tpms)VCl <sub>2</sub> (DMF) and (Tpms)VOCl(DMF). Inorganica Chimica Acta, 2009, 362, 2662-2666.	1.2	13
27	X-ray characterization of Hnacnac <sup>R</sup> and the first vanadium $\mu$ -diiminate dimer (R) Tj ETQq1 1 0,784314 rgBT /Over	0.8	1
28	Bis{[( $\eta$ -5-cyclopentadienyl)tris(diethyl phosphito)- $\mu$ -3]oxovanadium(IV)}- $\mu$ -4-oxalate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1129-m1130.	0.2	3
29	Synthesis, reactivity, and X-ray structural characterization of a vanadium(III) oxidation pre-catalyst, (CpPOEtCo)VCl <sub>2</sub> (DMF). Inorganic Chemistry Communication, 2007, 10, 906-909.	1.8	13
30	Imidazole-based nickel(II) and cobalt(II) coordination complexes for potential use as models for histidine containing metalloproteins. Inorganica Chimica Acta, 2007, 360, 3132-3140.	1.2	17
31	Bis[3-(trimethylsilyl)propyl] ethylenebisphosphonate, H2DTMSP[EBP]. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o132-o134.	0.4	0
32	Bis{[( $\eta$ -5-cyclopentadienyl)tris(diethyl phosphito)- $\mu$ -3P, $\mu$ -2-cobaltate(III)- $\mu$ -3O, $\mu$ -2-cobalt(II)]. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1171-m1172.	0.2	5
33	Cocrystallization of dichloro(N,N-dimethylformamide) [hydrotris(pyrazol-1-yl)borato]vanadium(III) with its partially oxidized analog chloro(N,N-dimethylformamide) [hydrotris(pyrazol-1-yl)borato]oxovanadium(IV). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m588-m590.	0.2	7
34	Synthesis and X-ray structural characterization of M(3,5-tBu <sub>2</sub> -salophen) (M=Cu, VO). Polyhedron, 2006, 25, 119-123.	1.0	24
35	Pentane-1,5-bisphosphonic acid. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o1359-o1361.	0.2	4
36	Chloro[hydrotris(pyrazol-1-yl)borato]oxo(1H-pyrazole)vanadium(IV). Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m2379-m2381.	0.2	7

#	ARTICLE	IF	CITATIONS
37	Tris(pyrazol-1-yl)methane (Tpm). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1419-o1420.	0.2	10
38	Bis[3-(trimethylsilyl)propyl] methylenebisphosphonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2232-o2234.	0.2	0
39	Initial Structure Modification of Tetrahedral to Planar Nickel(II) in a Nickel-Iron-Sulfur Cluster Related to the C-Cluster of Carbon Monoxide Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2004, 126, 6448-6459.	6.6	46
40	Heterometal Cubane-Type MFe <sub>3</sub> S <sub>4</sub> Clusters (M = Mo, V) Trigonal Symmetrized with Hydrotris(pyrazolyl)borate(1 <sup>-</sup> ) and Tris(pyrazolyl)methanesulfonate(1 <sup>-</sup> ) Capping Ligands. <i>Inorganic Chemistry</i> , 2002, 41, 958-966.	1.9	98
41	Synthesis and Characterization of the Silver Maleonitrilediselenolates and Silver Maleonitriledithiolates [K([2.2.2]-cryptand)] <sub>4</sub> [Ag <sub>4</sub> (Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>4</sub> ], [Na([2.2.2]-cryptand)] <sub>4</sub> [Ag <sub>4</sub> (S <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>4</sub> ]·0.33MeCN, [NBu <sub>4</sub> ] <sub>4</sub> [Ag <sub>4</sub> (S <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>4</sub> ], [K([2.2.2]-cryptand)] <sub>3</sub> [Ag(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ]·2MeCN, and [Na([2.2.2]-cryptand)] <sub>3</sub> [Ag(S <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ]. <i>Inorganic Chemistry</i> , 2001, 40, 1809-1815.	1.9	18
42	Syntheses and Characterization of the Metal Maleonitrilediselenolates [K([2.2.2]-cryptand)] <sub>2</sub> [M(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ] (M = Ni, Pd, Pt) and [Ni(dmf) <sub>5</sub> Cl] <sub>2</sub> [Ni(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ]. <i>Inorganic Chemistry</i> , 2001, 40, 1372-1375.	1.9	13
43	Syntheses and characterization of imidodiphosphinoselenido complexes of V(IV), V(III), and Cr(III): [VO{N(SePPh <sub>2</sub> ) <sub>2</sub> } <sub>2</sub> ] <sub>2</sub> ·CH <sub>2</sub> Cl <sub>2</sub> , [V{N(SePPh <sub>2</sub> ) <sub>2</sub> } <sub>3</sub> ] <sub>2</sub> ·CH <sub>2</sub> Cl <sub>2</sub> , and [Cr{N(SePPh <sub>2</sub> ) <sub>2</sub> } <sub>3</sub> ] <sub>2</sub> ·CH <sub>2</sub> Cl <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 2000, 308, 91-96.	1.2	21
44	Layered K <sub>4</sub> [Re <sub>6</sub> S <sub>10</sub> (CN) <sub>2</sub> ] and Chainlike K <sub>4</sub> [Re <sub>6</sub> Se <sub>10</sub> (CN) <sub>4</sub> ]: New Types of Chalcocyanide Cluster Compounds with Bridging Chalcogenide Ligands. <i>Inorganic Chemistry</i> , 2000, 39, 1809-1811.	1.9	36
45	Facile Syntheses and Structures of New Metal-Maleonitrilediselenolates [K([2.2.2]-cryptand)] <sub>3</sub> [Ag(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> )(Se <sub>6</sub> )], [K([2.2.2]-cryptand)] <sub>2</sub> [Ni(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ) <sub>2</sub> ], and Ni(dppp)(Se <sub>2</sub> C <sub>2</sub> (CN) <sub>2</sub> ). <i>Inorganic Chemistry</i> , 2000, 39, 1046-1048.	1.9	10
46	Ligand Substitution Reactions of [Re <sub>6</sub> S <sub>8</sub> Br <sub>6</sub> ] <sub>4</sub> : A Basis Set of Re <sub>6</sub> S <sub>8</sub> Clusters for Building Multicenter Assemblies. <i>Inorganic Chemistry</i> , 1998, 37, 328-333.	1.9	102