

Craig C Mclauchlan

List of Publications by Year in descending order

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citations

516561

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33
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48
all docs

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docs citations

48
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium phosphatase complexes: Phosphatase inhibitors favor the trigonal bipyramidal transition state geometries. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 163-199.	9.5	115
2	Ligand Substitution Reactions of $[Re_6S_8Br_6]^{4-}$: A Basis Set of Re_6S_8 Clusters for Building Multicluster Assemblies. <i>Inorganic Chemistry</i> , 1998, 37, 328-333.	1.9	102
3	Heterometal Cubane-Type MFe_3S_4 Clusters (M = Mo, V) Trigonally Symmetrized with Hydrotris(pyrazolyl)borate(1^-) and Tris(pyrazolyl)methanesulfonate(1^-) Capping Ligands. <i>Inorganic Chemistry</i> , 2002, 41, 958-966.	1.9	98
4	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
5	Inhibitory effects of decavanadate on several enzymes and <i>Leishmania tarentolae</i> In Vitro. <i>Journal of Inorganic Biochemistry</i> , 2012, 108, 96-104.	1.5	78
6	Polyoxido vanadates' interactions with proteins: An overview. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214344.	9.5	78
7	Inhibition of acid, alkaline, and tyrosine (PTP1B) phosphatases by novel vanadium complexes. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 274-281.	1.5	66
8	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
9	Coordination environment changes of the vanadium in vanadium-dependent haloperoxidase enzymes. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 267-279.	1.5	42
10	Layered $K_4[Re_6S_{10}(CN)_2]$ and Chainlike $K_4[Re_6Se_{10}(CN)_4]$: New Types of Chalcocyanide Cluster Compounds with Bridging Chalcogenide Ligands. <i>Inorganic Chemistry</i> , 2000, 39, 1809-1811.	1.9	36
11	Evaluating transition state structures of vanadium phosphatase protein complexes using shape analysis. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 153-164.	1.5	33
12	Does anion-cation organization in Na ⁺ -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
13	Synthesis and X-ray structural characterization of $M(3,5-tBu_2-salophen)$ (M=Cu, VO). <i>Polyhedron</i> , 2006, 25, 119-123.	1.0	24
14	Syntheses and characterization of imidodiphosphinoselenido complexes of V(IV), V(III), and Cr(III): $[VO\{N(SePPh_2)_2\}_2] \cdot CH_2Cl_2$, $[V\{N(SePPh_2)_2\}_3] \cdot CH_2Cl_2$, and $[Cr\{N(SePPh_2)_2\}_3] \cdot CH_2Cl_2$. <i>Inorganica Chimica Acta</i> , 2000, 308, 91-96.	1.2	21
15	Synthesis and Characterization of the Silver Maleonitrilediselenolates and Silver Maleonitriledithiolates $[K([2.2.2]-cryptand)]_4[Ag_4(Se_2C_2(CN)_2)_4]$, $[Na([2.2.2]-cryptand)]_4[Ag_4(S_2C_2(CN)_2)_4] \cdot 0.33MeCN$, $[NBu_4]_4[Ag_4(S_2C_2(CN)_2)_4]$, $[K([2.2.2]-cryptand)]_3[Ag(Se_2C_2(CN)_2)_2] \cdot 2MeCN$, and $[Na([2.2.2]-cryptand)]_3[Ag(S_2C_2(CN)_2)_2]$. <i>Inorganic Chemistry</i> , 2001, 40, 1809-1815.	1.9	18
16	Imidazole-based nickel(II) and cobalt(II) coordination complexes for potential use as models for histidine containing metalloproteins. <i>Inorganica Chimica Acta</i> , 2007, 360, 3132-3140.	1.2	17
17	Evidence That Speciation of Oxovanadium Complexes Does Not Solely Account for Inhibition of <i>Leishmania</i> Acid Phosphatases. <i>Frontiers in Chemistry</i> , 2018, 6, 109.	1.8	16
18	Small molecule activation of nitriles coordinated to the $[Re_6Se_8]^{2+}$ core: formation of oxazine, oxazoline and carboxamide complexes. <i>Dalton Transactions</i> , 2018, 47, 4653-4660.	1.6	14

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19	Syntheses and Characterization of the Metal Maleonitrilediselenolates [K([2.2.2]-cryptand)] ₂ [M(Se ₂ C ₂ (CN) ₂) ₂] (M = Ni, Pd, Pt) and [Ni(dmf) ₅ Cl] ₂ [Ni(Se ₂ C ₂ (CN) ₂) ₂]. <i>Inorganic Chemistry</i> , 2001, 40, 1372-1375.	1.9	13
20	Synthesis, reactivity, and X-ray structural characterization of a vanadium(III) oxidation pre-catalyst, (CpPOEtCo)VCl ₂ (DMF). <i>Inorganic Chemistry Communication</i> , 2007, 10, 906-909.	1.8	13
21	Synthesis, catalytic activity, phosphatase inhibition activity, and X-ray structural characterization of vanadium scorpionate complexes, (Tpms)VCl ₂ (DMF) and (Tpms)VOCl(DMF). <i>Inorganica Chimica Acta</i> , 2009, 362, 2662-2666.	1.2	13
22	Vanadium in inorganic chemistry: excerpts from the 8th International Vanadium Symposium. <i>Dalton Transactions</i> , 2013, 42, 11744.	1.6	13
23	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
24	Facile Syntheses and Structures of New Metal ⁺ Maleonitrilediselenolates [K([2.2.2]-cryptand)] ₃ [Ag(Se ₂ C ₂ (CN) ₂)(Se ₆)], [K([2.2.2]-cryptand)] ₂ [Ni(Se ₂ C ₂ (CN) ₂) ₂], and Ni(dppp)(Se ₂ C ₂ (CN) ₂). <i>Inorganic Chemistry</i> , 2000, 39, 1046-1048.	1.9	10
25	Tris(pyrazol-1-yl)methane (Tpm). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1419-o1420.	0.2	10
26	Metal Ion Complexes of <i>N,N</i> -Bis(2-Pyridylmethyl)-1,3-Diaminopropane- <i>N,N</i> -Diacetic Acid, H ₂ bppd. <i>Inorganic Chemistry</i> , 2014, 53, 3404-3416.	1.9	8
27	Chloro[hydrotris(pyrazol-1-yl)borato]oxo(1H-pyrazole)vanadium(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m2379-m2381.	0.2	7
28	Cocrystallization of dichloro(<i>N,N</i> -dimethylformamide)[hydrotris(pyrazol-1-yl)borato]vanadium(III) with its partially oxidized analog chloro(<i>N,N</i> -dimethylformamide)[hydrotris(pyrazol-1-yl)borato]oxovanadium(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m588-m590.	0.2	7
29	Phosph(on/in)ate-Bridged Vanadium(IV) Dimers: Synthesis and Characterization. <i>Inorganic Chemistry</i> , 2012, 51, 8719-8728.	1.9	6
30	Organo-Phosph(on/in)ate-Bridged Dimers of Vanadium(IV) Complexes with the μ -Ligand: Synthesis and Characterization. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4585-4592.	1.0	6
31	Synthesis, characterization, and electrochemical properties of μ_4 -oxalate bridged vanadium(III) and (IV) dimers incorporating the μ -ligand, CpPORCo (R=Me,Et). <i>Inorganica Chimica Acta</i> , 2014, 420, 159-165.	1.2	6
32	Metal Ion Complexes of <i>N,N</i> -Bis(2-Pyridylmethyl)- <i>trans</i> -1,2-Diaminocyclohexane- <i>N,N</i> -Diacetic Acid, H ₂ bpcd: Cis/Trans Isomerization Equilibria. <i>Inorganic Chemistry</i> , 2015, 54, 10361-10370.	1.9	6
33	Exploring Wells-Dawson Clusters Associated With the Small Ribosomal Subunit. <i>Frontiers in Chemistry</i> , 2019, 7, 462.	1.8	6
34	Bis[(η -5-cyclopentadienyl)tris(diethyl phosphito)- η^3 P ₃] μ_2 -cobaltate(III)- η^3 O ₃ cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m1171-m1172.	0.2	5
35	Metal Ion Complexes of <i>N,N</i> -Bis(2-Pyridylmethyl)- <i>trans</i> -1,2-Diaminocyclohexane- <i>N,N</i> -Diacetic Acid, H ₂ bpcd: Lanthanide(III) μ_2 -bpcd ²⁺ Cationic Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 3556-3567.	1.9	5
36	Pentane-1,5-bisphosphonic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o1359-o1361.	0.2	4

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37	Vanadium Complexes Are in vitro Inhibitors of Leishmania Secreted Acid Phosphatases. International Journal of Chemistry, 2013, 6, .	0.3	4
38	{2,2'-[<i>N</i>,<i>N</i>]-Bis(pyridin-2-ylmethyl)propane-1,3-diyl di(nitrilo)]diacetato}cobalt(III) hexafluoridophosphate acetonitrile 0.064-solvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m296-m297.	0.2	3
39	Crystal structure of {2,2'-[<i>N</i>,<i>N</i>]-bis(pyridin-2-ylmethyl)cyclohexane-<i>trans</i>-1,2-diyl di(nitrilo)]diacetato}cobalt(III) hexafluoridophosphate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 380-384.	0.2	3
40	2'-3'-Cyclic Nucleotide 3'-Phosphodiesterase Inhibition by Organometallic Vanadium Complexes: A Potential New Paradigm for Studying CNS Degeneration. Brain Sciences, 2021, 11, 588.	1.1	3
41	Bis{[(η^5 -cyclopentadienyl)tris(diethyl phosphito- η^3) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 592 Td <i>O</i>,<i>O</i>]-oxovanadium(IV)}- $\frac{1}{4}$ -oxalate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1129-m1130.	0.2	3
42	X-ray characterization of Hnacnac ^R and the first vanadium η^2 -diiminate dimer (R) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	1
43	2,2,2-Tris(pyrazol-1-yl)ethanol. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1133-o1134.	0.2	1
44	An Additional Method for Analyzing the Reversible Inhibition of an Enzyme Using Acid Phosphatase as a Model. Current Enzyme Inhibition, 2015, 11, 140-146.	0.3	1
45	Bis[3-(trimethylsilyl)propyl] methylenebisphosphonate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2232-o2234.	0.2	0
46	Bis[3-(trimethylsilyl)propyl] ethylenebisphosphonate, H2DTMSP[EBP]. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o132-o134.	0.4	0