

C AndrÃ© Ohlin

List of Publications by Year in descending order

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95
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity of ionic liquids and precursor compounds towards human cell line HeLa. <i>Green Chemistry</i> , 2007, 9, 1191.	4.6	189
2	Application of the Tris(acetylacetonato)iron(III)/(II) Redox Couple in p-Type Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3758-3762.	7.2	184
3	Determination of hydrogen concentration in ionic liquids and the effect (or lack of) on rates of hydrogenation. <i>Chemical Communications</i> , 2003, , 2418-2419.	2.2	161
4	Electronic Structure Description of a [Co(III) ₃ Co(IV)O ₄] Cluster: A Model for the Paramagnetic Intermediate in Cobalt-Catalyzed Water Oxidation. <i>Journal of the American Chemical Society</i> , 2011, 133, 15444-15452.	6.6	155
5	Carbon monoxide solubility in ionic liquids: determination, prediction and relevance to hydroformylation. Electronic supplementary information (ESI) available: further experimental details. See http://www.rsc.org/suppdata/cc/b4/b401537a/ . <i>Chemical Communications</i> , 2004, , 1070.	2.2	131
6	The [Ti ₁₂ Nb ₆ O ₄₄] ¹⁰⁺ Ion – A New Type of Polyoxometalate Structure. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5634-5636.	7.2	104
7	Reaction Dynamics of the Decaniobate Ion [H _x Nb ₁₀ O ₂₈] ^{(6-x)-} in Water. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4844-4846.	7.2	101
8	Dissolution of insulating oxide materials at the molecular scale. <i>Nature Materials</i> , 2010, 9, 11-19.	13.3	99
9	Rationalisation of Solvent Effects in the Diels-Alder Reaction Between Cyclopentadiene and Methyl Acrylate in Room Temperature Ionic Liquids. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 266-274.	2.1	88
10	Decavanadate in vitro and in vivo effects: facts and opinions. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 123-130.	1.5	85
11	Ion pumps as biological targets for decavanadate. <i>Dalton Transactions</i> , 2013, 42, 11770.	1.6	74
12	Characterization of decavanadate and decaniobate solutions by Raman spectroscopy. <i>Dalton Transactions</i> , 2016, 45, 7391-7399.	1.6	74
13	Distinctly Different Reactivities of Two Similar Polyoxoniobates with Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8251-8254.	7.2	67
14	A Soluble Phosphorus-Centered Keggin Polyoxoniobate with Bicapping Vanadyl Groups. <i>Chemistry - A European Journal</i> , 2013, 19, 5191-5197.	1.7	67
15	Dual-functionalised ionic liquids: synthesis and characterisation of imidazolium salts with a nitrile-functionalised anion. <i>Chemical Communications</i> , 2004, , 2500.	2.2	63
16	Enhanced Water Purification: A Single Atom Makes a Difference. <i>Environmental Science & Technology</i> , 2009, 43, 5416-5422.	4.6	62
17	Cell directional migration and oriented division on three-dimensional laser-induced periodic surface structures on polystyrene. <i>Biomaterials</i> , 2008, 29, 2049-2059.	5.7	59
18	Oxygen-Isotope Exchange Rates for Three Isostructural Polyoxometalate Ions. <i>Journal of the American Chemical Society</i> , 2010, 132, 5264-5272.	6.6	59

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19	Sarcoplasmic reticulum calcium ATPase interactions with decaniobate, decavanadate, vanadate, tungstate and molybdate. <i>Journal of Inorganic Biochemistry</i> , 2012, 107, 82-89.	1.5	58
20	A new titanoniobate ion completing the series $[\text{Nb}_{10}\text{O}_{28}]^{6-}$, $[\text{TiNb}_9\text{O}_{28}]^{7-}$ and $[\text{Ti}_2\text{Nb}_8\text{O}_{28}]^{8-}$. <i>Dalton Transactions</i> , 2009, , 2677.	1.6	55
21	Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2011, 17, 4408-4417.	1.7	52
22	One-pot synthesis of the decaniobate salt $[\text{N}(\text{CH}_3)_4]_6[\text{Nb}_{10}\text{O}_{28}]\cdot 6\text{H}_2\text{O}$ from hydrous niobium oxide. <i>Inorganica Chimica Acta</i> , 2009, 362, 1391-1392.	1.2	47
23	Introducing manganese complexes as redox mediators for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12021.	1.3	45
24	Isotope-Exchange Dynamics in Isostructural Decametallates with Profound Differences in Reactivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 16488-16492.	6.6	42
25	Synthesis and Characterization of a Soluble Vanadium-Containing Keggin Polyoxoniobate by ESI-MS and ^51V NMR: $(\text{TMA})_9[\text{V}_3\text{Nb}_{12}\text{O}_{42}]\cdot 18\text{H}_2\text{O}$. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1748-1753.	1.0	40
26	A new class of soluble and stable transition-metal-substituted polyoxoniobate: $[\text{Cr}_2(\text{OH})_4\text{Nb}_{10}\text{O}_{30}]^{8-}$. <i>Dalton Transactions</i> , 2012, 41, 12674.	1.6	39
27	Decavanadate, decaniobate, tungstate and molybdate interactions with sarcoplasmic reticulum Ca^{2+} -ATPase: quercetin prevents cysteine oxidation by vanadate but does not reverse ATPase inhibition. <i>Dalton Transactions</i> , 2012, 41, 12749.	1.6	38
28	Highly soluble iron- and nickel-substituted decaniobates with tetramethylammonium counteranions. <i>Dalton Transactions</i> , 2013, 42, 7529.	1.6	37
29	Lindqvist Polyoxoniobate Ion-Assisted Electrodeposition of Cobalt and Nickel Water Oxidation Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16632-16644.	4.0	35
30	Coordination Induced Atropisomerism in an NHC-Based Rhodium Macrocyclic. <i>Organometallics</i> , 2015, 34, 913-917.	1.1	32
31	Electrochemical and Electrogenerated Chemiluminescent Studies of a Trinuclear Complex, $[(\text{phen})_2\text{Ru}(\text{dpp})_2\text{RhCl}]^{5+}$, and Its Interactions with Calf Thymus DNA. <i>Analytical Chemistry</i> , 2009, 81, 4068-4075.	3.2	31
32	Dynamics of a Nanometer-Sized Uranyl Cluster in Solution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7464-7467.	7.2	30
33	Heavier Group 13 Metal(I) Heterocycles Stabilized by Sterically Demanding Diiminophosphinates: A Structurally Characterized Monomer-Dimer Pair For Gallium. <i>Chemistry - A European Journal</i> , 2017, 23, 447-455.	1.7	26
34	Reaction Dynamics and Solution Chemistry of Polyoxometalates by Electrospray Ionization Mass Spectrometry. <i>Chemistry - an Asian Journal</i> , 2012, 7, 262-270.	1.7	25
35	Exploration and optimisation of poly(2,2'-bithiophene) as a stable photo-electrocatalyst for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11358-11366.	5.2	25
36	Non-Aqueous Microwave-Assisted Syntheses of Deca- and Hexa-Molybdovanadates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8568-8572.	7.2	25

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37	Solvent promoted reversible cyclometalation in a tethered NHC iridium complex. <i>Chemical Communications</i> , 2014, 50, 685-687.	2.2	24
38	The energetics of isomerisation in Keggin-series aluminate cations. <i>Dalton Transactions</i> , 2014, 43, 14533-14536.	1.6	24
39	¹⁷ O NMR and Computational Study of a Tetrasiliconiobate Ion, [H ₂ Si ₄ Nb ₁₆ O ₅₆] ⁽¹⁴⁻⁾ . <i>Chemistry - A European Journal</i> , 2011, 17, 9359-9367.	1.7	22
40	The Performance Determining Role of Lewis Bases in Dye-Sensitized Solar Cells Employing Copper-Bisphenanthroline Redox Mediators. <i>Advanced Energy Materials</i> , 2020, 10, 2002067.	10.2	22
41	Rates of Water Exchange on the [Fe ₄ (OH) ₂ (hpdt) ₂ (H ₂ O) ₄] ⁰ Molecule and Its Implications for Geochemistry. <i>Inorganic Chemistry</i> , 2012, 51, 6731-6738.	1.9	21
42	Direct Single- and Double-Side Triol-Functionalization of the Mixed Type Anderson Polyoxotungstate [Cr(OH) ₃ W ₆ O ₂₁] ⁶⁻ . <i>Inorganic Chemistry</i> , 2019, 58, 106-113.	1.9	20
43	Oxygen isotopic exchange in an MnIII-MnIV-oxo cubane. <i>Dalton Transactions</i> , 2009, , 5278.	1.6	19
44	Geochemical kinetics via the Swift-Connick equations and solution NMR. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3711-3725.	1.6	19
45	Solution, Solid-State, and Computational Analysis of Agostic Interactions in a Coherent Set of Low-Coordinate Rhodium(III) and Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 4927-4938.	1.7	19
46	Borate Accelerates Rates of Steady Oxygen-Isotope Exchange for Polyoxoniobate Ions in Water. <i>Chemistry - A European Journal</i> , 2010, 16, 8631-8634.	1.7	17
47	A High-Pressure NMR Probe for Aqueous Geochemistry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9788-9791.	7.2	15
48	Polyoxometalates as Effective Nano-inhibitors of Amyloid Aggregation of Pro-inflammatory S100A9 Protein Involved in Neurodegenerative Diseases. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26721-26734.	4.0	15
49	Photo-electrocatalytic H ₂ evolution on poly(2,2'-bithiophene) at neutral pH. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 18230-18234.	3.8	14
50	Influence of physicochemical properties of laser-modified polystyrene on bovine serum albumin adsorption and rat C6 glioma cell behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 746-754.	2.1	13
51	Heterogeneous dehalogenation of arylhalides in the presence of ionic liquids. <i>Applied Organometallic Chemistry</i> , 2007, 21, 156-160.	1.7	13
52	Solid-State ²⁷ Al NMR Spectroscopy of the ³ -Al ₁₃ Keggin Containing Al Coordinated by a Terminal Hydroxyl Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 12270-12280.	1.9	13
53	Mechanistic studies of the photo-electrochemical hydrogen evolution reaction on poly(2,2'-bithiophene). <i>Catalysis Science and Technology</i> , 2016, 6, 3253-3262.	2.1	13
54	Structural insights into [Co ₄ O ₄ (C ₅ H ₅ N) ₄ (CH ₃ CO ₂) ₄] ⁺ , a rare Co(IV)-containing cuboidal complex. <i>Polyhedron</i> , 2013, 64, 304-307.	1.0	12

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55	Enhanced catalytic activity towards hydrogen evolution on polythiophene via microstructural changes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 886-894.	3.8	12
56	Multinuclear NMR Study of the Pressure Dependence for Carbonate Exchange in the $\text{UO}_2(\text{CO}_3)_3^{4-}$ (aq) Ion. <i>ChemPhysChem</i> , 2011, 12, 2903-2906.	1.0	11
57	The Pressure Dependence of Oxygen Isotope Exchange Rates Between Solution and Apical Oxygen Atoms on the $[\text{UO}_2(\text{OH})_4]^{2-}$ Ion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4467-4469.	7.2	11
58	Adding reactivity to structure-reaction dynamics in a nanometer-size oxide ion in water. <i>Numerische Mathematik</i> , 2008, 308, 942-953.	0.7	10
59	Characterisation of a series of triarylmethane dyes as light harvesters for photo-electrochemical systems. <i>Dyes and Pigments</i> , 2015, 115, 96-101.	2.0	10
60	^{27}Al MQMAS of the Al_{13} -Keggin. <i>Dalton Transactions</i> , 2017, 46, 2249-2254.	1.6	10
61	Hydrocarbon-soluble, hexaanionic fulleride complexes of magnesium. <i>Chemical Science</i> , 2019, 10, 10755-10764.	3.7	10
62	Computational prediction of Mg-isotope fractionation between aqueous $[\text{Mg}(\text{OH})_6]^{2+}$ and brucite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 64-74.	1.6	9
63	Adding reactivity to structure 2: Oxygen-isotope-exchange rates in three isostructural oxide ions. <i>Numerische Mathematik</i> , 2010, 310, 629-644.	0.7	8
64	PNacPNacE: (E = Ga, In, Tl) μ -monomeric group 13 metal heterocycles stabilized by a sterically demanding bis(iminophosphoranyl)methanide. <i>Dalton Transactions</i> , 2017, 46, 16872-16877.	1.6	8
65	Microwave Synthesis of Alkali-Free Hexaniobate, Decaniobate, and Hexatantalate Polyoxometalate Ions. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3913-3918.	1.0	8
66	Cooperation between bound waters and hydroxyls in controlling isotope-exchange rates. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 78, 18-27.	1.6	7
67	^{17}O NMR as a Tool in Discrete Metal Oxide Cluster Chemistry. <i>Annual Reports on NMR Spectroscopy</i> , 2018, 94, 187-248.	0.7	7
68	CARBON DIOXIDE REDUCTION IN BIPHASIC AQUEOUS-IONIC LIQUID SYSTEMS BY PRESSURIZED HYDROGEN. <i>High Pressure Research</i> , 2003, 23, 239-242.	0.4	6
69	The first peroxotitanoniobate cluster μ . <i>Inorganica Chimica Acta</i> , 2010, 363, 4405-4407.	1.2	6
70	pH-Dependent solution dynamics of a manganese(ii) polyoxometalate, $[\text{Mn}_4(\text{H}_2\text{O})_2(\text{P}_2\text{W}_{15}\text{O}_{56})_2]^{16-}$, and $[\text{Mn}(\text{H}_2\text{O})_6]^{2+}$. <i>Dalton Transactions</i> , 2015, 44, 19068-19071.	1.6	6
71	Nichtwässrige mikrowellengestützte Synthesen von Deca- und Hexamolybdovanadaten. <i>Angewandte Chemie</i> , 2017, 129, 8691-8695.	1.6	5
72	Rates of Water Exchange in 2,2'-Bipyridine and 1,10-Phenanthroline Complexes of Co(II) and Mn(II). <i>Australian Journal of Chemistry</i> , 2017, 70, 751.	0.5	5

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73	Protonation and water exchange kinetics in sandwich polyoxometalates. Dalton Transactions, 2018, 47, 13602-13607.	1.6	5
74	Predicting solubility of ion pairs in aqueous inorganic chemistry. Angewandte Chemie - International Edition, 2022, , .	7.2	5
75	Predicting ¹⁷ O NMR chemical shifts of polyoxometalates using density functional theory. Physical Chemistry Chemical Physics, 2016, 18, 8235-8241.	1.3	4
76	Diverse composites of metal-complexes and PEDOT facilitated by metal-free vapour phase polymerization. Reactive and Functional Polymers, 2017, 116, 101-106.	2.0	4
77	Re-Writable Multi-Domain Liquid Crystal Alignment Layers through Laser-Induced Micropatterning. Japanese Journal of Applied Physics, 2006, 45, L591-L594.	0.8	3
78	The Smallest Polyoxotungstate Retained by TRIS-Stabilization. Inorganic Chemistry, 2021, 60, 12671-12675.	1.9	3
79	Polyoxoniobates as molecular building blocks in thin films. Dalton Transactions, 2021, 50, 16030-16038.	1.6	2
80	Carbon Monoxide Solubility in Ionic Liquids: Determination, Prediction and Relevance to Hydroformylation.. ChemInform, 2004, 35, no.	0.1	1
81	Predicting the Solubility of Inorganic Ion Pairs in Water. Angewandte Chemie, 2022, 134, .	1.6	1
82	Dual-Functionalized Ionic Liquids: Synthesis and Characterization of Imidazolium Salts with a Nitrile-Functionalized Anion.. ChemInform, 2005, 36, no.	0.1	0
83	Energetics of paramagnetic oxide clusters: the Fe(III) oxyhydroxy Keggin ion. Physical Chemistry Chemical Physics, 2020, 22, 4043-4050.	1.3	0
84	Computational exploration of heterometal substitution into the decaniobate framework, [Nb ₁₀ O ₂₈] ⁶⁻ . Physical Chemistry Chemical Physics, 2021, 23, 10402-10408.	1.3	0