Anastasios D Keramidas

List of Publications by Year
in descending order

79 papers	1,955 citations	201674 27 h-index	265206 42 g-index
81 all docs	81 docs citations	81 times ranked	1935 citing authors

#	Article	IF	Citations
1	Synthesis, Structure, and Biological Activity of a New Insulinomimetic Peroxovanadium Compound:Â Bisperoxovanadium Imidazole Monoanion. Journal of the American Chemical Society, 1997, 119, 5447-5448.	13.7	108
2	Vanadium(V) Hydroxylamido Complexes:Â Solid State and Solution Properties1. Journal of the American Chemical Society, 1997, 119, 8901-8915.	13.7	105
3	Solution and Solid State Properties of [N-(2-Hydroxyethyl)iminodiacetato]vanadium(IV), -(V), and -(IV/V) Complexes1. Inorganic Chemistry, 1997, 36, 1657-1668.	4.0	105
4	Is Vanadate Reduced by Thiols under Biological Conditions? Changing the Redox Potential of V(V)/V(IV) by Complexation in Aqueous Solution. Inorganic Chemistry, 2010, 49, 4245-4256.	4.0	104
5	Model Investigations for Vanadiumâ^'Protein Interactions. Synthetic, Structural, and Physical Studies of Vanadium(III) and Oxovanadium(IV/V) Complexes with Amidate Ligands. Inorganic Chemistry, 1996, 35, 357-367.	4.0	88
6	Vanadium chemistry and biochemistry of relevance for use of vanadium compounds as antidiabetic agents. Molecular and Cellular Biochemistry, 1995, 153, 17-24.	3.1	84
7	Oxovanadium(IV)-amide binding. Synthetic, structural, and physical studies of {N-[2-(4-oxopent-2-en-2-ylamino)phenyl]pyridine-2-carboxamido}oxovanadium(IV) and {N-[2-(4-phenyl-4-oxobut-2-en-2-ylamino)phenyl]pyridine-2-carboxamido}oxovanadium(IV). Inorganic Chemistry, 1992, 31, 2587-2594.	4.0	76
8	Six-co-ordinated vanadium-(IV) and -(V) complexes of benzimidazole and pyridyl containing ligands. Journal of the Chemical Society Dalton Transactions, 1997, , 2799-2812.	1.1	70
9	Insulin-Mimetic Action of Vanadium Compounds on Osteoblast-like Cells in Culture. Archives of Biochemistry and Biophysics, 1997, 338, 7-14.	3.0	68
10	A Slow Exchanging Vanadium(V) Peptide Complex: Vanadium(V)-Glycine-Tyrosine. Inorganic Chemistry, 1995, 34, 2524-2534.	4.0	66
11	Factors Affecting Solution Properties of Vanadium(V) Compounds:â€‰ X-ray Structure of Î²-cis-NH4[VO2(EDDA)]1. Inorganic Chemistry, 1996, 35, 3599-3606.	4.0	46
12	Synthesis, structure, magnetic properties and aqueous solution characterization of p-hydroquinone and phenol iminodiacetate copper(ii) complexes. Dalton Transactions, 2008, , 6188.	3.3	46
13	Electroluminescence by a Sm3+-diketonate-phenanthroline complex. Synthetic Metals, 2003, 139, 433-437.	3.9	44
14	On the importance of Pbâ‹¯X (X = O, N, S, Br) tetrel bonding interactions in a series of tetra- and hexa-coordinated Pb(‹scp›ii‹/scp›) compounds. CrystEngComm, 2018, 20, 5033-5044.	2.6	41
15	Solid State and Aqueous Solution Characterization of Rectangular Tetranuclear VIV/V-p-Semiquinonate/Hydroquinonate Complexes Exhibiting a Proton Induced Electron Transfer. Inorganic Chemistry, 2008, 47, 7211-7224.	4.0	40
16	Enhanced photon harvesting in silicon multicrystalline solar cells by new lanthanide complexes as light concentrators. Journal of Luminescence, 2011, 131, 1776-1781.	3.1	39
17	Recurrent supramolecular motifs in discrete complexes and coordination polymers based on mercury halides: prevalence of chelate ring stacking and substituent effects. CrystEngComm, 2018, 20, 1065-1076.	2.6	39
18	Geographical discrimination of pine and fir honeys using multivariate analyses of major and minor honey components identified by 1H NMR and HPLC along with physicochemical data. European Food Research and Technology, 2018, 244, 1249-1259.	3.3	38

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19	Synthesis, structural and physical studies of tin(IV) complexes with 2-(2-pyridyl)benzimidazole. Journal of the Chemical Society Dalton Transactions, 1992, , 2729.	1.1	36
20	Models of Oxovanadium(IV)â€“Protein Interactions: The First Oxovanadium(IV) Complexes with Dipeptides. Angewandte Chemie International Edition in English, 1996, 35, 2531-2533.	4.4	35
21	The first polyoxomolybdenum carbonate compound: Synthesis and crystal structure of (NH4)5[(Mo2VO4)3(Âµ6-CO3)(Âµ-CO3)3(Âµ-OH)3]Â·0.5CH3OH 1. Dalton Transactions RSC, 2001, , 3419-3420.	2.3	34
22	Model Investigations for Vanadium-Protein Interactions: Synthesis and X-ray Structures of mer-[VOCl3(Hpycan)] and [VOCl2(CH3CN)(Hpycan)] {Hpycan = N-(2-Nitrophenyl)pyridine-2-carboxamide}. Inorganic Chemistry, 1994, 33, 845-846.	4.0	30
23	Vanadium(V) Compounds with the Bis-(hydroxylamino)-1,3,5-triazine Ligand, H₂bihyat: Synthetic, Structural, and Physical Studies of [V₂^VO₃(bihyat)₂] and of the Enhanced Hydrolytic Stability Speciescis-[V^VO₂(bihyat)]^{â¯}. Inorganic Chemistry, 2008, 47, 11698-11710.	4.0	29
24	Speciation in Vanadium Bioinorganic Systems. 5. Interactions between Vanadate, Uridine, and ImidazoleAn Aqueous Potentiometric,51V,17O, and13C NMR Study. Inorganic Chemistry, 1998, 37, 6153-6160.	4.0	28
25	Synthesis and study of the cancer cell growth inhibitory properties of Î±-, Î³-tocopheryl and Î³-tocotrienyl 2-phenylselenyl succinates. Bioorganic and Medicinal Chemistry, 2006, 14, 2684-2696.	3.0	28
26	Polynuclear Cobalt(II/III) Sulfites: Synthesis, Structure, and Magnetic Properties of the Octanuclear Cluster (NH₄)₁₁(LiâŠ,[Co₄^{II}Co₄^{III}(SO₃)<sub>16</s Encapsulating a Lithium Cation. Inorganic Chemistry, 2008, 47, 4451-4453.	4.0	28
27	Oxidovanadium(IV/V) Complexes as New Redox Mediators in Dye-Sensitized Solar Cells: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2015, 54, 3979-3988.	4.0	28
28	Unexpected reduction of vanadium(IV) to vanadium(III) in the presence of the chelate ligands 2,2â€²-bipyridine (bpy) and 1,8-hydroxyquinoline (Hquin). Dalton Transactions RSC, 2001, , 1556-1558.	2.3	26
29	Polyoxomolybdenum(V/VI)â¯Sulfite Compounds:Â Synthesis, Structural, and Physical Studies. Inorganic Chemistry, 2007, 46, 6002-6010.	4.0	26
30	p-Hydroquinoneâ€“metal compounds: synthesis and crystal structure of two novel VVâ€“p-hydroquinonate and VIVâ€“p-semiquinonate species. Chemical Communications, 2002, , 2786-2787.	4.1	22
31	Vanadium(iv/v)â€“p-dioxolene temperature induced electron transfer associated with ligation/deligation of solvent molecules. Dalton Transactions, 2013, 42, 11831.	3.3	20
32	Synthesis, crystal structure and luminescence of novel Eu3+, Sm3+ and Gd3+ complexes of 1,3,5- and 1,2,4-triazines. Polyhedron, 2013, 52, 856-865.	2.2	20
33	Model Studies of the Interaction of Vanadium(III) and Oxovanadium(IV/V) with the Carbonyl Amide Oxygen. Inorganic Chemistry, 1998, 37, 6785-6794.	4.0	19
34	Investigation on uranyl interaction with bioactive ligands. Synthesis and structural studies of the uranyl complexes with glycine and N-(2-mercaptopropionyl)glycine. Radiochimica Acta, 2002, 90, 549-554.	1.2	18
35	Aerial Oxidation of a V^{IV}â€“Iminopyridine Hydroquinonate Complex: A Trap for the V^{IV}â€“Semiquinonate Radical Intermediate. Inorganic Chemistry, 2015, 54, 7218-7229.	4.0	17
36	Synthesis, structural and physicochemical characterization of a new type Ti₆-oxo cluster protected by a cyclic imide dioxime ligand. Dalton Transactions, 2019, 48, 5551-5559.	3.3	15

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37	Synthesis, Structure, and Solution Dynamics of UO22+â"Hydroxy Ketone Compounds [UO2(ma)2(H2O)] and [UO2(dpp)(Hdpp)2(H2O)]ClO4[ma = 3-Hydroxy-2-methyl-4-pyrone, Hdpp = 3-Hydroxy-1,2-dimethyl-4(1H)-pyridone]. Inorganic Chemistry, 2004, 43, 8336-8345.	4.0	14
38	Molybdenum(VI) Coordination Chemistry of the N,N-Disubstituted Bis(hydroxylamido)-1,3,5-triazine Ligand, H2bihyat. Water-Assisted Activation of the MoVIâ•O Bond and Reversible Dimerization of cis-[MoVIO2(bihyat)] to [MoVI2O4(bihyat)2(H2O)2]. Inorganic Chemistry, 2012, 51, 13138-13147.	4.0	14
39	Oxovanadium(IV)-sulfite compounds: Synthesis and structural and physical studies. Pure and Applied Chemistry, 2005, 77, 1529-1538.	1.9	13
40	Synthesis of vitamin E and aliphatic lipid vanadium(IV) and (V) complexes, and their cytotoxic properties. Journal of Inorganic Biochemistry, 2020, 208, 111074.	3.5	13
41	Electroluminescence from a volatile europium complex. Thin Solid Films, 2006, 496, 489-493.	1.8	12
42	Donor atom electrochemical contribution to redox potentials of square pyramidal vanadyl complexes. Journal of Inorganic Biochemistry, 2015, 147, 39-43.	3.5	12
43	Synthesis and aqueous solution properties of multinuclear oxo-bridged vanadium(IV/V) complexes. Journal of Inorganic Biochemistry, 2000, 80, 75-80.	3.5	11
44	NMR characterization and dynamics of vanadium(V) complexes with tripod (hydroquinonate/phenolate) iminodiacetate ligands in aqueous solution. Pure and Applied Chemistry, 2009, 81, 1313-1321.	1.9	11
45	NMR and Theoretical Investigations on the Structures and Dynamics of Octahedral Bis(chelate)dichloro VIII Compounds Isolated by an Unusual Reduction of Non-Oxo VIV Species. Inorganic Chemistry, 2003, 42, 4640-4649.	4.0	10
46	Bis(hydroxylamino)triazines: High Selectivity and Hydrolytic Stability of Hydroxylamine-Based Ligands for Uranyl Compared to Vanadium(V) and Iron(III). Inorganic Chemistry, 2018, 57, 7631-7643.	4.0	10
47	Photoelectrocatalytic production of hydrogen peroxide using a photo(catalytic) fuel cell. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112210.	3.9	10
48	Electrocatalytic hydrogen production by dinuclear cobalt(<scp>ii</scp>) compounds containing redox-active diamidate ligands: a combined experimental and theoretical study. Dalton Transactions, 2020, 49, 15718-15730.	3.3	10
49	Interaction of Chromium(III) with a N,Nâ€²-Disubstituted Hydroxylamine-(diamido) Ligand: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2014, 53, 11404-11414.	4.0	9
50	Design and Assembly of Covalently Functionalised Polyoxofluorovanadate Molecular Hybrids. Chemistry - A European Journal, 2018, 24, 3836-3845.	3.3	9
51	Synthesis and characterization of vanadium(III) and oxovanadium(IV/V) species with deprotonated amide ligands. Journal of the Chemical Society Chemical Communications, 1993, , 643.	2.0	8
52	pH-Potentiometric Investigation towards Chelating Tendencies of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math>-Hydroquinone and Phenol Iminodiacetate Copper(II) Complexes. Bioinorganic Chemistry and Applications, 2010, 2010, 1-8.	4.1	8
53	Synthesis, characterization of dinuclear vanadium(III) hydroquinonateâ€"iminodiacetate complexes. Inorganica Chimica Acta, 2014, 420, 103-111.	2.4	8
54	Investigation of dioxygen activation by copper(<scp>ii</scp>)â€"iminate/aminate complexes. Dalton Transactions, 2018, 47, 16242-16254.	3.3	8

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55	Vanadyl(IV)â€“amide binding. The preparation and X-ray crystal structure of [VO(pycac)]{H2pycac =N-[2-(4-oxopentan-2-ylideneamino)phenyl]pyridine-2-carboxamide}. Journal of the Chemical Society Chemical Communications, 1990, , 1664-1665.	2.0	7
56	Structural and electron paramagnetic resonance (EPR) characterization of novel vanadium(V/IV) complexes with hydroquinonate-iminodiacetate ligands exhibiting â€œnoninnocentâ€•activity. Pure and Applied Chemistry, 2012, 85, 329-342.	1.9	7
57	Structure, reactivity, luminescence and magnetism of dinuclear Ln3+ complexes produced by the Ln3+-assisted hydrolysis of 3,6-bis(2-pyridyl)tetrazine. Polyhedron, 2013, 64, 308-320.	2.2	7
58	Synthesis, Bonding, and Reactivity of Vanadium(IV) Oxidoâ€“Fluorido Compounds with Neutral Chelate Ligands of the General Formula cis-[V^{IV}(â•O)(F)(L_{Nâ€“N})₂]⁺. Inorganic Chemistry, 2016, 55, 1364-1366.	4.0	7
59	Synthesis, Structural, and Physicochemical Characterization of a Ti₆ and a Unique Type of Zr₆ Oxo Clusters Bearing an Electron-Rich Unsymmetrical {OON} Catecholate/Oxime Ligand and Exhibiting Metalloaromaticity. Inorganic Chemistry, 2020, 59, 18345-18357.	4.0	7
60	Charge Distribution in Vanadium p-(Hydro/Semi)Quinonate Complexes. ACS Symposium Series, 2007, , 352-363.	0.5	6
61	Synthesis of new photosensitive H₂BBQ²⁺[ZnCl₄]^{2â¯}/[(ZnCl)₂(Î¼-BBH)] complexes, through selective oxidation of H₂O to H₂O₂. Dalton Transactions, 2017, 46, 3688-3699.	3.3	6
62	Four electron selective O₂ reduction by a tetranuclear vanadium(IV/V)/hydroquinonate catalyst: application in the operation of Znâ€“air batteries. New Journal of Chemistry, 2022, 46, 470-479.	2.8	6
63	NMR Investigation of the Interaction of Vanadate with Carbasilatranes in Aqueous Solutions. Inorganic Chemistry, 2005, 44, 7511-7522.	4.0	5
64	Monolayer properties of surface-active metalorganic complexes with a tunable headgroup. Journal of Colloid and Interface Science, 2008, 317, 544-555.	9.4	5
65	EPR Methods Applied on Food Analysis. , 2019, , .		5
66	Vanadium(V) Complexes with Siderophore Vitamin E-Hydroxylamino-Triazine Ligands. Inorganics, 2021, 9, 73.	2.7	5
67	Controlled one pot synthesis of polyoxofluorovanadate molecular hybrids exhibiting peroxidase like activity. New Journal of Chemistry, 2019, 43, 17595-17602.	2.8	4
68	Synthesis, Solution, and Structural Characterization of Tetrahydrofuranyl-2,2-Bisphosphonic Acid Disodium Salt. Bioinorganic Chemistry and Applications, 2010, 2010, 1-7.	4.1	3
69	Structural characterization, hydrolytic stability and dynamics of cis-MoVIO22+ hydroquinonate/phenolate complexes. Polyhedron, 2018, 152, 22-30.	2.2	3
70	Novel Zinc and Vanadium (V) Hydroquinonate Complexes: Synthesis and Biological Solution Evaluation. Journal of Molecular Structure, 2022, 1257, 132582.	3.6	3
71	Modelluntersuchungen Ã¼ber Wechselwirkungen zwischen Oxovanadium(<scp>IV</scp>)â€Einheiten und Proteinen: die ersten Oxovanadium(<scp>IV</scp>)â€Komplexe mit Dipeptiden. Angewandte Chemie, 1996, 108, 2676-2678.	2.0	2
72	Organic Vanadium Compounds - Transition State Analogy with Organic Phosphorus Compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 109, 245-248.	1.6	2

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73	Use of Chalcogenide-Semiconductor-Sensitized Titania to Directly Charge a Vanadium Redox Battery. Nanomaterials, 2020, 10, 1137.	4.1	2
74	Synthesis, structural and physicochemical properties of a series of manganese(II) complexes with a novel N5 tripodal-amidate ligand and their potential use as water oxidation catalysts. Polyhedron, 2021, 204, 115260.	2.2	2
75	Synthesis, Structural and Physicochemical Characterization of a Titanium(IV) Compound with the Hydroxamate Ligand N,2-Dihydroxybenzamide. Molecules, 2021, 26, 5588.	3.8	2
76	Binuclear VIV/V, MoVI and ZnII - hydroquinonate complexes: Synthesis, stability, oxidative activity and anticancer properties. Journal of Inorganic Biochemistry, 2022, 235, 111911.	3.5	2
77	Acid/base responsive assembly/dis-assembly of a family of zirconium(<scp>iv</scp>) clusters with a cyclic imide-dioxime ligand. Dalton Transactions, 2022, 51, 1806-1818.	3.3	1
78	Spectral studies of new organic conductor (ETOEDT-PDT-TTF)2I3: Normal mode vibrations of the unsymmetrical Ï€-electron donor. Journal of Molecular Structure, 2008, 887, 67-74.	3.6	0
79	Cobalt(II), nickel(II) and zinc(II) coordination chemistry of the N,Nâ€²-disubstituted hydroxylamine-(diamido) ligand, 3,3â€²-(hydroxyazanediyl)dipropanamide. Polyhedron, 2018, 151, 417-425.	2.2	0