Panayotis Kyritsis

List of Publications by Year
in descending order

70	1,595	257357 24	315616 38
papers	citations	h-index	g-index

73	73	73	1874
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical Analysis of the Spin Hamiltonian Parameters in Co^(II)S₄ Complexes, Using Density Functional Theory and Correlated ab initio Methods. Inorganic Chemistry, 2011, 50, 8741-8754.	1.9	114
2	Phenyl 2-Pyridyl Ketone and Its Oxime in Manganese Carboxylate Chemistry: Synthesis, Characterisation, X-ray Studies and Magnetic Properties of Mononuclear, Trinuclear and Octanuclear Complexes. European Journal of Inorganic Chemistry, 2004, 2004, 2885-2901.	1.0	102
3	Spin-Relaxation Properties of a High-Spin Mononuclear Mn^{III}O₆-Containing Complex. Inorganic Chemistry, 2013, 52, 12869-12871.	1.9	81
4	A Molecular Niâ€€complex Containing Tetrahedral Nickel Selenide Core as Highly Efficient Electrocatalyst for Water Oxidation. ChemSusChem, 2016, 9, 3128-3132.	3.6	80
5	The First Cobalt Metallacrowns:â€‰ Preparation and Characterization of Mixed-Valence Cobalt(II/III), Inverse 12-Metallacrown-4 Complexes. Inorganic Chemistry, 2005, 44, 3374-3376.	1.9	77
6	Magnetic Anisotropy of Tetrahedral Co^{II} Single-Ion Magnets: Solid-State Effects. Inorganic Chemistry, 2016, 55, 9537-9548.	1.9	74
7	Di-2-pyridyl ketone oxime [(py)2CNOH] in manganese carboxylate chemistry: mononuclear, dinuclear and tetranuclear complexes, and partial transformation of (py)2CNOH to the gem-diolate(2â^) derivative of di-2-pyridyl ketone leading to the formation of NO3â^. Dalton Transactions, 2005, , 501-511.	1.6	71
8	Determination of the Self-Exchange Rate Constant for Rusticyanin from Thiobacillus ferrooxidans and a Comparison with Values for Other Type 1 Blue Copper Proteins. Inorganic Chemistry, 1995, 34, 5370-5374.	1.9	47
9	Tetrahedral and Square Planar Ni[(SPR₂)₂N]₂ complexes, R = Ph & ⁱPr Revisited: Experimental and Theoretical Analysis of Interconversion Pathways, Structural Preferences, and Spin Delocalization. Inorganic Chemistry, 2010, 49, 5079-5093.	1.9	46
10	Investigating Magnetostructural Correlations in the Pseudooctahedral trans-[Ni^{II}{(OPPh₂)(EPPh₂)N}₂(sol)₂] Complexes (E = S, Se; sol = DMF, THF) by Magnetometry, HFEPR, and ab Initio Quantum Chemistry. Inorganic Chemistry, 2012, 51, 7218-7231.	1.9	44
11	The Two [4Fe-4S] Clusters in Chromatium vinosumFerredoxin Have Largely Different Reduction Potentials. Journal of Biological Chemistry, 1998, 273, 15404-15411.	1.6	42
12	A Multifrequency High-Field Electron Paramagnetic Resonance Study of Co^{II}S₄Coordination. Inorganic Chemistry, 2010, 49, 595-605.	1.9	42
13	Direct Observation of Very Large Zero-Field Splitting in a Tetrahedral Ni^{II}Se₄ Coordination Complex. Journal of the American Chemical Society, 2015, 137, 12923-12928.	6.6	42
14	Ni[(EPⁱPr₂)₂N]₂Complexes: Stereoisomers (E = Se) and Square-Planar Coordination (E = Te). Inorganic Chemistry, 2008, 47, 2949-2951.	1.9	39
15	The structure of the 2[4Feâ€“4S] ferredoxin from Pseudomonas aeruginosa at 1.32-Ã… resolution: comparison with other high-resolution structures of ferredoxins and contributing structural features to reduction potential values. Journal of Biological Inorganic Chemistry, 2006, 11, 445-458.	1.1	36
16	Pulse-radiolysis studies on the oxidised form of the multicopper enzyme ascorbate oxidase: evidence for two intramolecular electron-transfer steps. Journal of the Chemical Society Dalton Transactions, 1993, , 731.	1.1	35
17	Structural, spectroscopic and magnetic properties of M[R2P(E)NP(E)Râ€²2]2complexes, M = Co, Mn, E = S, Se and R, Râ€² = Ph oriPr. Covalency of Mâ€“S bonds from experimental data and theoretical calculations. Dalton Transactions, 2006, , 2301-2315.	1.6	35
18	Conversion of tetrahedral to octahedral structures upon solvent coordination: studies on the M[(OPPh₂)(SePPh₂)N]₂(M = Co, Ni) and [Ni{(OPPh₂)(EPPh₂)N}₂(dmf)₂] (E = S, Se) complexes. Dalton Transactions, 2011, 40, 169-180.	1.6	34

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19	Intramolecular Electron Transfer between [4Fe-4S] Clusters Studied by Proton Magnetic Resonance Spectroscopy. Biochemistry, 1997, 36, 7839-7846.	1.2	29
20	Intramolecular electron transfer in [4Fe-4S] proteins: estimates of the reorganization energy and electronic coupling in Chromatium vinosum ferredoxin. Journal of Biological Inorganic Chemistry, 2001, 6, 446-451.	1.1	28
21	Controlled vinylâ€type polymerization of norbornene with a Nickel(II) diphosphinoamine/methylaluminoxane catalytic system. Journal of Polymer Science Part A, 2009, 47, 5241-5250.	2.5	27
22	Insight into the protein and solvent contributions to the reduction potentials of [4Feâ€“4S]2+/+ clusters: crystal structures of the Allochromatium vinosum ferredoxin variants C57A and V13G and the homologous Escherichia coli ferredoxin. Journal of Biological Inorganic Chemistry, 2009, 14, 783-799.	1.1	26
23	Unusual NMR, EPR, and MÃ¶ssbauer Properties ofChromatium vinosum2[4Fe-4S] Ferredoxinâ€. Biochemistry, 1999, 38, 6335-6345.	1.2	25
24	Catalytic reductive dehalogenation of hexachloroethane by molecular variants of cytochrome P450cam(CYP101). FEBS Journal, 2000, 267, 5815-5820.	0.2	25
25	Some unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics. Solid State Sciences, 2008, 10, 1729-1733.	1.5	23
26	Electron transfer properties of ironâ€“sulfur proteins. Journal of Inorganic Biochemistry, 2000, 79, 83-91.	1.5	22
27	High-frequency EPR study of the high-spin FeII complex Fe[(SPPh2)2N]2. Journal of Magnetic Resonance, 2012, 224, 94-100.	1.2	20
28	Synthesis and characterization of new RhI complexes bearing CO, PPh3 and chelating P,O- or Se,Se-ligands: Application to hydroformylation of styrene. Journal of Organometallic Chemistry, 2007, 692, 4129-4138.	0.8	19
29	Proteinâ€“protein cross-reactions involving plastocyanin, cytochrome f and azurin: self-exchange rate constants and related studies with inorganic complexes. Journal of the Chemical Society Dalton Transactions, 1992, , 2145-2151.	1.1	17
30	Hydroformylation of alkenes catalyzed by new dinuclear aryloxide- and carboxylate-bridged rhodium complexes. Inorganica Chimica Acta, 2004, 357, 3084-3088.	1.2	15
31	The influence of conserved aromatic residues on the electron transfer reactivity of 2[4Fe-4S] ferredoxins. BBA - Proteins and Proteomics, 1996, 1295, 201-208.	2.1	14
32	A W-band pulsed EPR/ENDOR study of CoIIS4 coordination in the Co[(SPPh2)(SPiPr2)N]2 complex. Physical Chemistry Chemical Physics, 2009, 11, 6727.	1.3	14
33	Structural and spectroscopic characteristics of [Ni{(Ph2P)2N-S-CHMePh-P,Pâ€²}X2], X = Cl, Br: Catalytic activity and selectivity in Kumada and Suzukiâ€“Miyaura coupling reactions. Inorganica Chimica Acta, 2012, 387, 390-395.	1.2	14
34	Investigating the Structural, Spectroscopic, and Electrochemical Properties of [Fe{(EPiPr2)2N}2] (E =) Tj ETQq0 0 0 rgBT /Overlock 10 T Inorganic Chemistry, 2016, 2016, 5332-5339.	1.0	14
35	Determination of the self-exchange rate constant for plastocyanin from Anabaena variabilis by nuclear magnetic resonance line broadening. Journal of the Chemical Society Dalton Transactions, 1993, , 1959.	1.1	13
36	A scanning tunnelling microscopy study of Clostridium pasteurianum rubredoxin. Journal of Inorganic Biochemistry, 2000, 78, 251-254.	1.5	13

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37	A Molecular Tetrahedral Cobaltâ€“Seleno-Based Complex as an Efficient Electrocatalyst for Water Splitting. Molecules, 2021, 26, 945.	1.7	13
38	Inhibitory activity of the novel Zn[(OPPh2)(SePPh2)N]2 complex towards the Platelet Activating Factor (PAF) and thrombin: Comparison with its isomorphous Co(II) and Ni(II) analogues. Inorganica Chimica Acta, 2011, 378, 102-108.	1.2	12
39	The reactivity of spinach plastocyanin mutants with inorganic oxidants [Fe(CN)6]3â€“and [Co(phen)3]3+. Journal of the Chemical Society Chemical Communications, 1991, , 1441-1442.	2.0	10
40	Redox reactivity of the type 1 copper protein amicyanin from Thiobacillus versutus with its physiological partner cytochrome c550 and inter-protein cross-reaction studies. BBA - Proteins and Proteomics, 1996, 1295, 245-252.	2.1	10
41	Coordination of iPr2P(O)NHP(O)iPr2 to Co(II): Simultaneous formation of octahedral and tetrahedral complexes. Inorganic Chemistry Communication, 2013, 30, 34-38.	1.8	9
42	Field-induced slow relaxation of magnetization in the S = 3/2 octahedral complexes trans-[Co{(OPPh₂)(EPPh₂)N}₂(dmf)₂], E = S, Se: effects of Coâ€“Se vs. Coâ€“S coordination. Inorganic Chemistry Frontiers, 2019, 6, 1405-1414.	3.0	9
43	Mechanistic studies on the cis-[VO2(H2O)4]+and [Mo(CN)8]3â€“oxidations of the ReIV2complex [(C2O4)2Re(Âµ-O)2Re(C2O4)2]4â€“. Journal of the Chemical Society Dalton Transactions, 1995, , 3317-3322.	1.1	8
44	Some Unsymmetrical Metal 1,2-Dithiolenes Based on Palladium, Platinum and Gold. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1377-1382.	0.3	8
45	Synthesis of Chalcogenidoimidodiphosphinatoâ€“Rh^I Complexes and DFT Investigation of Their Catalytic Activation in Olefin Hydroformylation. European Journal of Inorganic Chemistry, 2013, 2013, 1170-1183.	1.0	8
46	Reactions of five spinach plastocyanin PCu(I) mutants with [Fe(CN)6]3â€“and [Co(phen)3]3+(phen =) Tj ETQq0 0 0 rgBT /Overlock 10 T 2289-2296.	1.1	7
47	Structural effects of the chelating rings in trans-[Ni{Ph2P(Se)NPPh2-Se,P}2] and trans-[Ni{Ph2P(Se)NPPh2-Se,P}{Ph2P(Se)N(H)PPh2-Se,P}]ClÂ·CH2Cl2Â·H2O complexes. Polyhedron, 2009, 28, 3305-3309.	1.0	7
48	Structural and magnetic properties of the binuclear [Co2{(OPPh2)2N}4] complex: Ferromagnetic coupling between the two S=3/2 Co(II) ions. Inorganic Chemistry Communication, 2009, 12, 615-618.	1.8	7
49	A bacteria-specific 2[4Fe-4S] ferredoxin is essential in Pseudomonas aeruginosa. BMC Microbiology, 2010, 10, 271.	1.3	7
50	Structurally Diverse Metal Coordination Compounds, Bearing Imidodiphosphinate and Diphosphinoamine Ligands, as Potential Inhibitors of the Platelet Activating Factor. Bioinorganic Chemistry and Applications, 2010, 2010, 1-8.	1.8	7
51	Magnetostructural correlations in Sâ€¯=â€¯1 trans-[Ni{(OPPh2)(EPPh2)N}2(dmso)2], Eâ€¯=â€¯S, Se, and related complexes. Polyhedron, 2018, 151, 177-184.	1.0	7
52	Unusual ³¹P Hyperfine Strain Effects in a Conformationally Flexible Cu(II) Complex Revealed by Two-Dimensional Pulse EPR Spectroscopy. Inorganic Chemistry, 2020, 59, 3666-3676.	1.9	7
53	Redox reactivity of the type 1 (blue) copper protein amicyanin from Thiobacillus versutus with inorganic complexes. Journal of the Chemical Society Dalton Transactions, 1994, , 3017.	1.1	6
54	A Kumada Coupling Catalyst, [Ni{(Ph₂ÂP)₂N(CH₂)₃Si(OCH₃)₃â€¯P,Pâ€²}Cl₂] Bearing a Ligand for Direct Immobilization Onto Siliceous Mesoporous Molecular Sieves. European Journal of Inorganic Chemistry, 2015, 2015, 3038-3044.	1.0	6

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55	The [Fe{(SePPh₂)₂N}₂] Complex Revisited: Xâ€ray Crystallography, Magnetometry, Highâ€Frequency EPR, and MÃ¶ssbauer Studies Reveal Its Tetrahedral Fe^{II}Se₄ Coordination Sphere. European Journal of Inorganic Chemistry, 2018, 2018, 713-721.	1.0	6
56	Catalytic reactivity of the complexes [Pd{(Ph2P)2N(Bu)-P,PÂ}X2], XÂ= Cl, Br, I, in the Suzuki-Miyaura Câ^'C coupling reaction: Probing effects of the halogeno ligand Xâ^' and the ligand's Bu group. Journal of Organometallic Chemistry, 2019, 879, 40-46.	0.8	6
57	Type 1 blue copper protein amicyanin from Thiobacillus versutus: line-broadening effects of chromium(III) complexes and related studies. Journal of the Chemical Society Dalton Transactions, 1995, , 3395.	1.1	5
58	The novel [Ni{(Ph2P)2N(CH2)3Si(OCH3)3-P,PÂ}I2] complex: Structural features and catalytic reactivity in the oligomerization of ethylene. Open Chemistry, 2016, 14, 351-356.	1.0	5
59	Immobilization of [Pd{(Ph₂P)₂N(CH₂)₃Si(OCH₃)₃â€Î²P,P'}X₂ (X=Cl, Br) onto Montmorillonite: Investigating their Performance as Homogeneous or Heterogenized Suzukiâ€Miyaura Catalysts. ChemistrySelect, 2017, 2, 12051-12059.	0.7	5
60	Electron self-exchange and cross-reaction studies on wild-type Clostridium pasteurianum rubredoxin and its val-8â†'Glu variant. Journal of the Chemical Society Dalton Transactions, 1996, , 4287-4294.	1.1	4
61	A Molecular Ni-complex Containing Tetrahedral Nickel Selenide Core as Highly Efficient Electrocatalyst for Water Oxidation. ChemSusChem, 2016, 9, 3123-3123.	3.6	3
62	Structural features and catalytic reactivity of [Pd{(Ph2P)2N(CH2)3Si(OCH3)3-Î²P,Pâ€²}I2] and related complexes in hydroalkoxycarbonylation and Suzukiâ€"Miyaura Câ^'C cross-coupling reactions. Polyhedron, 2018, 151, 292-298.	1.0	3
63	Magnetic Properties and Electronic Structure of the S = 2 Complex [Mn^{III}{(OPPh₂)₂N}₃] Showing Field-Induced Slow Magnetization Relaxation. Inorganic Chemistry, 2020, 59, 13281-13294.	1.9	3
64	Electronic Structure of Tetrahedral,S= 2, [Fe{(EPⁱPr₂)₂N}₂], E = S, Se, Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance,⁵⁷Fe MÃ¶ssbauer Spectroscopy, and Quantum Chemical Studies. Inorganic Chemistry, 2021, 60, 10990-11005.	1.9	3
65	Electronic properties of the SÂ=Â5/2 Mn(II) complexes [Mn{PhC(O)NP(O)PPh2}(N,N)(NO3)], (N,N)Â=Âphenanthroline, neocuproine, 2,2â€²-bipyridine. Polyhedron, 2021, 207, 115374.	1.0	2
66	Electronic and magnetic properties of the binuclear [Mn2{(OPPh2)2N}4] complex, as revealed by magnetometry, EPR and density functional broken-symmetry studies. Polyhedron, 2013, 52, 706-712.	1.0	1
67	Self-assembled tetrameric H2O clusters in the crystal lattice of [Cu(Î¼2-OH){Ph2P(O)NP(O)Ph2-Î²1O,Oâ€²}(1,10-phen-Î²2N,Nâ€²)]2Â·2H2O. Journal of Coordination Chemistry, 2018, 71, 4047-4057.	1.1	1
68	Ligands that enforce unnatural stereospinomers. Dalton Transactions, 2008, , 2235.	1.6	0
69	Structural and catalytic properties of the [Ni(BIPHEP)X2] complexes, BIPHEPÂ=Â2,2-diphenylphosphino-1,1-biphenyl; XÂ=ÂCl, Br. Inorganica Chimica Acta, 2021, 522, 120300.	1.2	0
70	Effects of the halogenido ligands on the Kumada-coupling catalytic activity of [Ni{^tBuN(PPh₂)₂-Î²²P}X₂], X = Cl, Br, I, complexes. RSC Advances, 2022, 12, 2227-2236.	1.7	0