

Panayotis Kyritsis

List of Publications by Year in descending order

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papers

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257357

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#	ARTICLE	IF	CITATIONS
1	Effects of the halogenido ligands on the Kumada-coupling catalytic activity of $[\text{Ni}(\text{tBuN}(\text{PPh}_2)_2)_2\text{X}]$, X = Cl, Br, I, complexes. <i>RSC Advances</i> , 2022, 12, 2227-2236.	1.7	0
2	A Molecular Tetrahedral Cobalt-Seleno-Based Complex as an Efficient Electrocatalyst for Water Splitting. <i>Molecules</i> , 2021, 26, 945.	1.7	13
3	Electronic Structure of Tetrahedral, $S = 2$, $[\text{Fe}(\text{EP}(\text{Pr})_2)_2\text{N}]_2$, E = S, Se, Complexes: Investigation by High-Frequency and -Field Electron Paramagnetic Resonance, ^{57}Fe Mössbauer Spectroscopy, and Quantum Chemical Studies. <i>Inorganic Chemistry</i> , 2021, 60, 10990-11005.	1.9	3
4	Structural and catalytic properties of the $[\text{Ni}(\text{BIPHEP})\text{X}_2]$ complexes, BIPHEP = 2,2-diphenylphosphino-1,1-biphenyl; X = Cl, Br. <i>Inorganica Chimica Acta</i> , 2021, 522, 120300.	1.2	0
5	Electronic properties of the $S = 2$ Mn(II) complexes $[\text{Mn}\{\text{PhC}(\text{O})\text{NP}(\text{O})\text{PPh}_2\}(\text{N},\text{N})(\text{NO}_3)]$, (N,N) = phenanthroline, neocuproine, 2,2'-bipyridine. <i>Polyhedron</i> , 2021, 207, 115374.	1.0	2
6	Magnetic Properties and Electronic Structure of the $S = 2$ Complex $[\text{Mn}^{\text{III}}\{\text{OPPh}_2\}_2\text{N}]_3$ Showing Field-Induced Slow Magnetization Relaxation. <i>Inorganic Chemistry</i> , 2020, 59, 13281-13294.	1.9	3
7	Unusual ^{31}P Hyperfine Strain Effects in a Conformationally Flexible Cu(II) Complex Revealed by Two-Dimensional Pulse EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2020, 59, 3666-3676.	1.9	7
8	Field-induced slow relaxation of magnetization in the $S = 3/2$ octahedral complexes $[\text{Co}(\text{OPPh}_2)_2(\text{EPPH}_2\text{N})_2(\text{dmf})_2]$, E = S, Se: effects of $\text{Co}^{\text{II}}\text{Se}^{\text{II}}$ vs. $\text{Co}^{\text{II}}\text{S}$ coordination. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1405-1414.	3.0	9
9	Catalytic reactivity of the complexes $[\text{Pd}\{\text{Ph}_2\text{P}\}_2\text{N}(\text{Bu})\text{P}(\text{P})\text{X}_2]$, X = Cl, Br, I, in the Suzuki-Miyaura $\text{C}-\text{C}$ coupling reaction: Probing effects of the halogeno ligand X and the ligand's Bu group. <i>Journal of Organometallic Chemistry</i> , 2019, 879, 40-46.	0.8	6
10	The $[\text{Fe}\{\text{SePPh}_2\}_2\text{N}]_2$ Complex Revisited: X-ray Crystallography, Magnetometry, High-Frequency EPR, and Mössbauer Studies Reveal Its Tetrahedral $\text{Fe}^{\text{II}}\text{Se}^{\text{IV}}$ Coordination Sphere. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 713-721.	1.0	6
11	Self-assembled tetrameric H ₂ O clusters in the crystal lattice of $[\text{Cu}(\text{H}_2\text{O})_4\text{Ph}_2\text{P}(\text{O})\text{NP}(\text{O})\text{Ph}_2\text{IO}_2](1,10\text{-phen}_2\text{N}_2) \cdot 2\text{H}_2\text{O}$. <i>Journal of Coordination Chemistry</i> , 2018, 71, 4047-4057.	1.3	1
12	Structural features and catalytic reactivity of $[\text{Pd}\{\text{Ph}_2\text{P}\}_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{P}(\text{P})_2]$ and related complexes in hydroalkoxycarbonylation and Suzuki-Miyaura $\text{C}-\text{C}$ cross-coupling reactions. <i>Polyhedron</i> , 2018, 151, 292-298.	1.0	3
13	Magnetostructural correlations in $S = 1$ trans- $[\text{Ni}\{\text{OPPh}_2\}(\text{EPPH}_2\text{N})_2(\text{dmsO})_2]$, E = S, Se, and related complexes. <i>Polyhedron</i> , 2018, 151, 177-184.	1.0	7
14	Immobilization of $[\text{Pd}\{\text{Ph}_2\text{P}\}_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{P}(\text{P})_2\text{X}]$ (X = Cl, Br) onto Montmorillonite: Investigating their Performance as Homogeneous or Heterogenized Suzuki-Miyaura Catalysts. <i>ChemistrySelect</i> , 2017, 2, 12051-12059.	0.7	5
15	Magnetic Anisotropy of Tetrahedral Co^{II} Single-Ion Magnets: Solid-State Effects. <i>Inorganic Chemistry</i> , 2016, 55, 9537-9548.	1.9	74
16	Investigating the Structural, Spectroscopic, and Electrochemical Properties of $[\text{Fe}\{\text{E}(\text{Pr})_2\}_2\text{N}]_2$ (E = Tj, ET, Q, O, O, rg, BT, Overlock, 10, T). <i>Inorganic Chemistry</i> , 2016, 2016, 5332-5339.	1.0	14
17	A Molecular Ni-complex Containing Tetrahedral Nickel Selenide Core as Highly Efficient Electrocatalyst for Water Oxidation. <i>ChemSusChem</i> , 2016, 9, 3128-3132.	3.6	80
18	A Molecular Ni-complex Containing Tetrahedral Nickel Selenide Core as Highly Efficient Electrocatalyst for Water Oxidation. <i>ChemSusChem</i> , 2016, 9, 3123-3123.	3.6	3

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19	The novel $[\text{Ni}\{\text{Ph}_2\text{P}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{P}(\text{P}^i)_2\}]_2$ complex: Structural features and catalytic reactivity in the oligomerization of ethylene. <i>Open Chemistry</i> , 2016, 14, 351-356.	1.0	5
20	A Kumada Coupling Catalyst, $[\text{Ni}\{\text{Ph}_2\text{P}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{P}(\text{P}^i)_2\text{Cl}\}]_2$ Bearing a Ligand for Direct Immobilization Onto Siliceous Mesoporous Molecular Sieves. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3038-3044.	1.0	6
21	Direct Observation of Very Large Zero-Field Splitting in a Tetrahedral $\text{Ni}^{\text{II}}\text{Se}^{\text{IV}}$ Coordination Complex. <i>Journal of the American Chemical Society</i> , 2015, 137, 12923-12928.	6.6	42
22	Coordination of $\text{iPr}_2\text{P}(\text{O})\text{NHP}(\text{O})\text{iPr}_2$ to $\text{Co}(\text{II})$: Simultaneous formation of octahedral and tetrahedral complexes. <i>Inorganic Chemistry Communication</i> , 2013, 30, 34-38.	1.8	9
23	Electronic and magnetic properties of the binuclear $[\text{Mn}_2\{\text{OPPh}_2\text{N}\}_4]$ complex, as revealed by magnetometry, EPR and density functional broken-symmetry studies. <i>Polyhedron</i> , 2013, 52, 706-712.	1.0	1
24	Spin-Relaxation Properties of a High-Spin Mononuclear $\text{Mn}^{\text{III}}\text{O}_6$ -Containing Complex. <i>Inorganic Chemistry</i> , 2013, 52, 12869-12871.	1.9	81
25	Synthesis of Chalcogenidoimidodiphosphinato Rh^{I} Complexes and DFT Investigation of Their Catalytic Activation in Olefin Hydroformylation. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1170-1183.	1.0	8
26	High-frequency EPR study of the high-spin Fe^{II} complex $\text{Fe}[(\text{SPPH}_2)_2\text{N}]_2$. <i>Journal of Magnetic Resonance</i> , 2012, 224, 94-100.	1.2	20
27	Investigating Magnetostructural Correlations in the Pseudooctahedral $\text{trans}[\text{Ni}^{\text{II}}\{\text{OPPh}_2\}(\text{EPPH}_2)_2(\text{sol})_2]$ Complexes (E = S, Se; sol = DMF, THF) by Magnetometry, HF-EPR, and ab Initio Quantum Chemistry. <i>Inorganic Chemistry</i> , 2012, 51, 7218-7231.	1.9	44
28	Structural and spectroscopic characteristics of $[\text{Ni}\{\text{Ph}_2\text{P}(\text{S}-\text{CHMePh}-\text{P}(\text{P}^i)_2)_2\text{X}_2\}]$, X = Cl, Br: Catalytic activity and selectivity in Kumada and Suzuki-Miyaura coupling reactions. <i>Inorganica Chimica Acta</i> , 2012, 387, 390-395.	1.2	14
29	Theoretical Analysis of the Spin Hamiltonian Parameters in $\text{Co}^{\text{II}}\text{S}_4$ Complexes, Using Density Functional Theory and Correlated ab initio Methods. <i>Inorganic Chemistry</i> , 2011, 50, 8741-8754.	1.9	114
30	Inhibitory activity of the novel $\text{Zn}[(\text{OPPh}_2)(\text{SePPH}_2)_2\text{N}]_2$ complex towards the Platelet Activating Factor (PAF) and thrombin: Comparison with its isomorphous $\text{Co}(\text{II})$ and $\text{Ni}(\text{II})$ analogues. <i>Inorganica Chimica Acta</i> , 2011, 378, 102-108.	1.2	12
31	Conversion of tetrahedral to octahedral structures upon solvent coordination: studies on the $\text{M}[(\text{OPPh}_2)(\text{SePPH}_2)_2\text{N}]_2$ (M = Co, Ni) and $[\text{Ni}\{(\text{OPPh}_2)(\text{EPPH}_2)_2\text{N}\}_2(\text{dmf})_2]$ (E = S, Se) complexes. <i>Dalton Transactions</i> , 2011, 40, 169-180.	1.6	34
32	Tetrahedral and Square Planar $\text{Ni}[(\text{SPR}_2)_2\text{N}]_2$ complexes, R = Ph & iPr : Revisited: Experimental and Theoretical Analysis of Interconversion Pathways, Structural Preferences, and Spin Delocalization. <i>Inorganic Chemistry</i> , 2010, 49, 5079-5093.	1.9	46
33	A bacteria-specific $2[4\text{Fe}-4\text{S}]$ ferredoxin is essential in <i>Pseudomonas aeruginosa</i> . <i>BMC Microbiology</i> , 2010, 10, 271.	1.3	7
34	Structurally Diverse Metal Coordination Compounds, Bearing Imidodiphosphate and Diphosphinoamine Ligands, as Potential Inhibitors of the Platelet Activating Factor. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-8.	1.8	7
35	A Multifrequency High-Field Electron Paramagnetic Resonance Study of $\text{Co}^{\text{II}}\text{S}_4$ Coordination. <i>Inorganic Chemistry</i> , 2010, 49, 595-605.	1.9	42
36	Insight into the protein and solvent contributions to the reduction potentials of $[4\text{Fe}\text{S}]_2^{2+}$ clusters: crystal structures of the <i>Allochrocatium vinosum</i> ferredoxin variants C57A and V13G and the homologous <i>Escherichia coli</i> ferredoxin. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 783-799.	1.1	26

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37	Controlled vinyl-type polymerization of norbornene with a Nickel(II) diphosphinoamine/methylaluminumoxane catalytic system. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5241-5250.	2.5	27
38	Structural effects of the chelating rings in trans-[Ni{Ph ₂ P(Se)NPPh ₂ -Se,P} ₂] and trans-[Ni{Ph ₂ P(Se)NPPh ₂ -Se,P}{Ph ₂ P(Se)N(H)PPh ₂ -Se,P}]Cl·CH ₂ Cl ₂ ·H ₂ O complexes. <i>Polyhedron</i> , 2009, 28, 3305-3309.	1.0	7
39	Structural and magnetic properties of the binuclear [Co ₂ {(OPPh ₂) ₂ N} ₄] complex: Ferromagnetic coupling between the two S=3/2 Co(II) ions. <i>Inorganic Chemistry Communication</i> , 2009, 12, 615-618.	1.8	7
40	A W-band pulsed EPR/ENDOR study of CoHS ₄ coordination in the Co[(SPPH ₂)(SPiPr ₂)N] ₂ complex. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6727.	1.3	14
41	Some unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics. <i>Solid State Sciences</i> , 2008, 10, 1729-1733.	1.5	23
42	Ligands that enforce unnatural stereospinomers. <i>Dalton Transactions</i> , 2008, , 2235.	1.6	0
43	Ni[(EP ⁱ Pr ₂) ₂ N] ₂ Complexes: Stereoisomers (E = Se) and Square-Planar Coordination (E = Te). <i>Inorganic Chemistry</i> , 2008, 47, 2949-2951.	1.9	39
44	Some Unsymmetrical Metal 1,2-Dithiolenes Based on Palladium, Platinum and Gold. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 1377-1382.	0.3	8
45	Synthesis and characterization of new RhI complexes bearing CO, PPh ₃ and chelating P,O- or Se,Se-ligands: Application to hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4129-4138.	0.8	19
46	Structural, spectroscopic and magnetic properties of M[R ₂ P(E)NP(E)R ₂] ₂ complexes, M = Co, Mn, E = S, Se and R, R ² = Ph or iPr. Covalency of M-S bonds from experimental data and theoretical calculations. <i>Dalton Transactions</i> , 2006, , 2301-2315.	1.6	35
47	The structure of the 2[4Fe-4S] ferredoxin from <i>Pseudomonas aeruginosa</i> at 1.32-Å... resolution: comparison with other high-resolution structures of ferredoxins and contributing structural features to reduction potential values. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 445-458.	1.1	36
48	Di-2-pyridyl ketone oxime [(py) ₂ CNOH] in manganese carboxylate chemistry: mononuclear, dinuclear and tetranuclear complexes, and partial transformation of (py) ₂ CNOH to the gem-diolate(2 ⁻) derivative of di-2-pyridyl ketone leading to the formation of NO ₃ ⁻ . <i>Dalton Transactions</i> , 2005, , 501-511.	1.6	71
49	The First Cobalt Metallacrowns: Preparation and Characterization of Mixed-Valence Cobalt(II/III), Inverse 12-Metallacrown-4 Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 3374-3376.	1.9	77
50	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. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2885-2901.	1.0	102
51	Hydroformylation of alkenes catalyzed by new dinuclear aryloxide- and carboxylate-bridged rhodium complexes. <i>Inorganica Chimica Acta</i> , 2004, 357, 3084-3088.	1.2	15
52	Intramolecular electron transfer in [4Fe-4S] proteins: estimates of the reorganization energy and electronic coupling in <i>Chromatium vinosum</i> ferredoxin. <i>Journal of Biological Inorganic Chemistry</i> , 2001, 6, 446-451.	1.1	28
53	Catalytic reductive dehalogenation of hexachloroethane by molecular variants of cytochrome P450cam(CYP101). <i>FEBS Journal</i> , 2000, 267, 5815-5820.	0.2	25
54	A scanning tunnelling microscopy study of <i>Clostridium pasteurianum</i> rubredoxin. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 251-254.	1.5	13

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55	Electron transfer properties of iron-sulfur proteins. <i>Journal of Inorganic Biochemistry</i> , 2000, 79, 83-91.	1.5	22
56	Unusual NMR, EPR, and Mössbauer Properties of <i>Chromatium vinosum</i> [4Fe-4S] Ferredoxin. <i>Biochemistry</i> , 1999, 38, 6335-6345.	1.2	25
57	The Two [4Fe-4S] Clusters in <i>Chromatium vinosum</i> Ferredoxin Have Largely Different Reduction Potentials. <i>Journal of Biological Chemistry</i> , 1998, 273, 15404-15411.	1.6	42
58	Intramolecular Electron Transfer between [4Fe-4S] Clusters Studied by Proton Magnetic Resonance Spectroscopy. <i>Biochemistry</i> , 1997, 36, 7839-7846.	1.2	29
59	Electron self-exchange and cross-reaction studies on wild-type <i>Clostridium pasteurianum</i> rubredoxin and its val-84'Glu variant. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 4287-4294.	1.1	4
60	The influence of conserved aromatic residues on the electron transfer reactivity of 2 [4Fe-4S] ferredoxins. <i>BBA - Proteins and Proteomics</i> , 1996, 1295, 201-208.	2.1	14
61	Redox reactivity of the type 1 copper protein amicyanin from <i>Thiobacillus versutus</i> with its physiological partner cytochrome c550 and inter-protein cross-reaction studies. <i>BBA - Proteins and Proteomics</i> , 1996, 1295, 245-252.	2.1	10
62	Determination of the Self-Exchange Rate Constant for Rusticyanin from <i>Thiobacillus ferrooxidans</i> and a Comparison with Values for Other Type 1 Blue Copper Proteins. <i>Inorganic Chemistry</i> , 1995, 34, 5370-5374.	1.9	47
63	Type 1 blue copper protein amicyanin from <i>Thiobacillus versutus</i> : line-broadening effects of chromium(III) complexes and related studies. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3395.	1.1	5
64	Mechanistic studies on the cis-[VO ₂ (H ₂ O) ₄] ⁺ and [Mo(CN) ₈] ³⁻ oxidations of the ReIV ₂ complex [(C ₂ O ₄) ₂ Re(μ-O) ₂ Re(C ₂ O ₄) ₂] ⁴⁻ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3317-3322.	1.1	8
65	Redox reactivity of the type 1 (blue) copper protein amicyanin from <i>Thiobacillus versutus</i> with inorganic complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3017.	1.1	6
66	Reactions of five spinach plastocyanin PCu(I) mutants with [Fe(CN) ₆] ³⁻ and [Co(phen) ₃] ³⁺ (phen = 2,2,6,6-tetramethylpiperidine-1-yl). <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2289-2296.	1.1	7
67	Determination of the self-exchange rate constant for plastocyanin from <i>Anabaena variabilis</i> by nuclear magnetic resonance line broadening. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 1959.	1.1	13
68	Pulse-radiolysis studies on the oxidised form of the multicopper enzyme ascorbate oxidase: evidence for two intramolecular electron-transfer steps. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 731.	1.1	35
69	Protein-protein cross-reactions involving plastocyanin, cytochrome f and azurin: self-exchange rate constants and related studies with inorganic complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2145-2151.	1.1	17
70	The reactivity of spinach plastocyanin mutants with inorganic oxidants [Fe(CN) ₆] ³⁻ and [Co(phen) ₃] ³⁺ . <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1441-1442.	2.0	10