

Panayotis Kyritsis

Professor of Inorganic Chemistry

Education

B.Sc. in Chemistry, National and Kapodistrian University of Athens (1987)

Ph.D. in Chemistry, University of Newcastle-upon-Tyne (1993)

Post Doctoral work at the University of Newcastle-upon-Tyne, CEA Grenoble, University of Oxford

Research Fields of Interest

Synthesis and characterization of transition metal complexes.

Studies on their structural, electronic, magnetic, catalytic and biological properties.

Teaching

Undergraduate:

Inorganic Chemistry III (Complex Compounds of Transition Elements, Course and Laboratory)

General Chemistry for students of Pharmacy

Post-Graduate:

Inorganic Structure and Reactivity, Topics of Inorganic Chemistry, Basic Biocatalysis,

Experimental Techniques for Separation and Structure Elucidation

Book authorship

"Experiments in General and Inorganic Chemistry" (Stamoulis ed., 2005, in Greek, 8 co-authors)

Publications

1. "The reactivity of spinach plastocyanin mutants with inorganic oxidants $[\text{Fe}(\text{CN})_6]^{3-}$ and $[\text{Co}(\text{phen})_3]^{3+}$ ", P. Kyritsis; L.G. Lundberg; M. Nordling; T. Vännngård; S. Young; N.P. Tomkinson and A.G. Sykes, *J. Chem. Soc., Chem. Commun.*, 1991, 1441-1442.
2. "Protein-protein reactions involving plastocyanin, cytochrome f and azurin : self-exchange rate constants and related studies with inorganic complexes", D.G.H.A. de Silva; D. Beoku-Betts; P. Kyritsis; K. Govindaraju; R. Powls; N.P. Tomkinson and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1992, 2145-2151.
3. "Pulse radiolysis studies on the oxidised form of the multicopper enzyme ascorbate oxidase: evidence for two intramolecular electron-transfer steps", P. Kyritsis; A. Messerschmidt; R. Huber; G.A. Salmon and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 731-735.
4. "Determination of the self-exchange rate constant for plastocyanin from *Anabaena variabilis* by NMR line-broadening", C. Dennison, P. Kyritsis, W. McFarlane and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 1959-1963.
5. "Reactions of five spinach plastocyanin mutants with $[\text{Fe}(\text{CN})_6]^{3-}$ and $[\text{Co}(\text{phen})_3]^{3+}$, and related studies", P. Kyritsis, C. Dennison, W. McFarlane, M. Nordling, S. Young, T. Vännngård; and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1993, 2289-2296.

- 6.** "Redox reactivity of the type 1 (blue) copper protein amicyanin from *Thiobacillus versutus* with inorganic complexes", P. Kyritsis, C. Dennison, A. P. Kalverda, G.W. Canters and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1994, 3017-3023.
- 7.** "The type 1 (blue) copper protein amicyanin from *Thiobacillus versutus* : line-broadening effects of Cr(III) complexes on the ¹H NMR spectrum, and related studies." C. Dennison, P. Kyritsis, A.P. Kalverda, G.W. Canters, W. McFarlane and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1995, 3395-3400.
- 8.** "Determination of the self-exchange rate constant for rusticyanin from *Thiobacillus ferrooxidans* and a comparison with values for other type 1 copper proteins", P. Kyritsis, C. Dennison, W.J. Ingledew, W. McFarlane and A.G. Sykes, *Inorg. Chem.*, 1995, 34, 5370-5374.
- 9.** "Mechanistic studies on the *cis*-[V(O)₂(H₂O)₄]⁺ and [Mo(CN)₈]³⁻ oxidations of the complex [(C₂O₄)Re(O)₂Re(C₂O₄)₂]⁴⁻" J.W. Atkinson, M.-C. Hong, D.A. House, P. Kyritsis, Y.-J. Li, M. Nasreldin and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1995, 3317-3322
- 10.** "Redox reactivity of the Type 1 copper protein amicyanin from *Thiobacillus versutus* with its physiological partner cytochrome cyt _{C550} and inter-protein cross-reaction studies", P. Kyritsis, T. Kohzuma and A.G. Sykes, *Biochim. Biophys. Acta*, 1996, 1295, 245-252.
- 11.** "The influence of conserved aromatic residues on the electron-transfer reactivity of 2[4Fe-4S] ferredoxins", I. Quinkal, P. Kyritsis, T. Kohzuma, S.-C. Im, A.G. Sykes and J.-M. Moulis, *Biochim. Biophys. Acta*, 1996, 1295, 201-208.
- 12.** "Electron self-exchange and cross-reaction studies on wild-type *Clostridium pasteurianum* rubredoxin and its Val8Glu variant", S.C. Im, H.-Y. Zhuang-Jackson, T. Kohzuma, P. Kyritsis, W. McFarlane and A.G. Sykes, *J. Chem. Soc., Dalton Trans.*, 1996, 4287-4294.
- 13.** "Electron transfer between [4Fe-4S] clusters studied by proton magnetic resonance spectroscopy", P. Kyritsis, J.G. Huber, I. Quinkal, J. Gaillard and J.-M. Moulis, *Biochemistry*, 1997, 36, 7839-7846.
- 14.** "The two [4Fe-4S] clusters in *Chromatium vinosum* ferredoxin have largely different reduction potentials: structural origin and functional consequences", P. Kyritsis, O.M. Hatzfeld, T.A. Link and J.-M. Moulis, *J. Biol. Chem.*, 1998, 273, 15404-15411.
- 15.** "Unusual NMR, EPR and Mössbauer properties of *Chromatium vinosum* 2[4Fe-4S] ferredoxin", P. Kyritsis, R. Kümmerle, J.G. Huber, J. Gaillard, B. Guigliarelli, C. Popescu, E. Münck and J.-M. Moulis, *Biochemistry*, 1999, 38, 6335-6345.
- 16.** "A scanning tunnelling microscopy study of *Clostridium pasteurianum* rubredoxin", R. Mukhopadhyay, J.J. Davis, P. Kyritsis, H.A.O. Hill and J. Meyer, *J. Inorg. Biochem.*, 2000, 78, 251-254.
- 17.** "Electron transfer properties of iron-sulfur proteins", R. Kümmerle, P. Kyritsis, J. Gaillard and J.-M. Moulis, *J. Inorg. Biochem.*, 2000, 79, 83-91.
- 18.** "Catalytic reductive dehalogenation of hexachloroethane by molecular variants of cytochrome P450_{cam} (CYP101)", M.E. Walsh, P. Kyritsis, N.A.J. Eady, H.A.O. Hill, and L.-L. Wong, *Eur. J. Biochem.*, 2000, 267, 5815-5820.

- 19.** "Intramolecular electron transfer in [4Fe-4S] proteins: estimates of the reorganization energy and electronic coupling in *Chromatium vinosum* ferredoxin", R. Kümmerle, J. Gaillard, P. Kyritsis, J.-M. Moulis, *J. Biol. Inorg. Chem.*, 2001, 6, 446-451.
- 20.** "Phenyl 2-pyridyl Ketone and its oxime in manganese carboxylate chemistry: synthesis, characterization, X-ray studies and magnetic properties of mononuclear, trinuclear and octanuclear complexes", C.J. Milios, T.C. Stamatatos, P. Kyritsis, A. Terzis, C.P. Raptopoulou, R. Vicente, A. Escuer, and S.P. Perlepes, *Eur. J. Inorg. Chem.*, 2004, 2885-2901.
- 21.** "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(-2) form of di-2-pyridyl ketone leading to the formation of NO₃⁻", C.J. Milios, P. Kyritsis, C.P. Raptopoulou, A. Terzis, R. Vicente, A. Escuer and S.P. Perlepes, *Dalton Trans.*, 2005, 501-511.
- 22.** "Hydroformylation of alkenes catalyzed by new dirhodium aryloxide- and carboxylate-bridged complexes", I.D. Kostas, K. Vallianatou, P. Kyritsis, Z. Zednik, Z. Vohlidal, *Inorg. Chim. Acta*, 2004, 357, 3084-3088.
- 23.** "The First Cobalt Metallacrowns: Preparation and Characterization of Mixed-Valence Cobalt(II/III), Inverse 12-Metallacrown-4 Complexes", T.C. Stamatatos, S. Dionyssopoulou, G. Efthymiou, P. Kyritsis, C.P. Raptopoulou, A. Terzis, R. Vicente, A. Escuer, and S. P. Perlepes, *Inorg. Chem.*, 2005, 44, 3374-3376.
- 24.** "Structural, spectroscopic and magnetic properties of M[(EPR₂)₂N]₂ complexes, M=Mn, Co, E=S, Se, R=Ph, ⁱPr. Covalency of M-S bonds from experimental data and theoretical calculations", D. Maganas, S.S. Staniland, A. Grigoropoulos, F. White, S. Parsons, N. Robertson, P. Kyritsis and G. Pneumatikakis, *Dalton Trans.*, 2006, 2301-2315.
- 25.** "The structure of the 2[4Fe-4S] ferredoxin from *Pseudomonas aeruginosa* at 1.32 Å resolution. Comparison with other high resolution structures of ferredoxins and contributing structural features to reduction potential values", P. Giastas, N. Pinotsis, G. Efthymiou, M. Wilmanns, P. Kyritsis, J.-M. Moulis, I. M. Mavridis, *J. Biol. Inorg. Chem.*, 2006, 11, 445-458.
- 26.** "Synthesis and characterization of new Rh^I complexes bearing CO, PPh₃ and chelate *P,O*- or *Se,Se*-ligands. Application to hydroformylation of styrene", K.A. Chatziapostolou, K.A. Vallianatou, A. Grigoropoulos, C.P. Raptopoulou, A. Terzis, I.D. Kostas, P. Kyritsis, G. Pneumatikakis, *J. Organom. Chem.*, 2007, 692, 4129-4138.
- 27.** "Ligands that enforce unnatural stereospinomers", D. Maganas, P. Kyritsis, G. Aullón, S. Alvarez, *Dalton Trans.*, 2008, 2235-2237.
- 28.** "Ni[ⁱPr₂P(E)NP(E)ⁱPr₂]₂ complexes: stereoisomers (E = Se) and square-planar coordination (E = Te)", N. Levesanos, S. Robertson, D. Maganas, C.P. Raptopoulou, A. Terzis, P. Kyritsis, T. Chivers, *Inorg. Chem.*, 2008, 47, 2949-2951.
- 29.** "Some unsymmetrical nickel 1,2-dithiolene complexes as candidate materials for optics and electronics", G.C. Anyfantis, G.C. Papavassiliou, N. Assimomytis, A. Terzis, V. Psycharis, C.P. Raptopoulou, P. Kyritsis, V. Thoma, I.B. Koutselas, *Solid State Sciences*, 2008, 10, 1729-1733.

- 30.** "Some unsymmetrical metal 1,2-dithiolenes based on palladium, platinum and gold", G.C. Papavassiliou, G.C. Anyfantis, A. Terzis, V. Psycharis, P. Kyritsis and P. Paraskevopoulou, *Z. Naturforsch.*, 2008, 63b, 1377-1382.
- 31.** "Crystal structures of the *Allochromatium vinosum* ferredoxin variants C57A and V13G and the homologous *Escherichia coli* ferredoxin. Insight into the protein and solvent contributions to the reduction potentials of [4Fe-4S]^{2+/+} clusters", M. Saridakis, P. Giastas, G. Efthymiou, V. Thoma, J.-M. Moulis, P. Kyritsis, E.M. Mavridis, *J. Biol. Inorg. Chem.*, 2009, 14, 783-799.
- 32.** "Structural and magnetic properties of the dinuclear [Co₂{(OPPh₂)₂N}₄] complex: ferromagnetic coupling between the two S=3/2 Co(II) ions", E. Ferentinos, S.D. Chatziefthimiou, N. Robertson, P. Kyritsis, *Inorg. Chem. Commun.*, 2009, 12, 615-618.
- 33.** "A W-band pulsed EPR/ENDOR study of Co^{II}S₄ coordination in the Co[(SPPPh₂)(SPⁱPr₂)N]₂ complex", S. Sottini, G. Mathies, P. Gast, D. Maganas, P. Kyritsis, and E.J.J. Groenen, *Phys. Chem. Chem. Phys.*, 2009, 11, 6727-6732.
- 34.** "Structural effects of the chelating rings in *trans*-[Ni{Ph₂P(Se)NPPPh₂-Se,P}₂] and *trans*-[Ni{Ph₂P(Se)NPPPh₂-Se,P}{Ph₂P(Se)N(H)PPh₂-Se,P}]Cl·CH₂Cl₂·H₂O complexes", N. Levesanos, I. Stamatopoulos, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, *Polyhedron*, 2009, 28, 3305-3309.
- 35.** "Controlled vinyl-type polymerization of norbornene with a Nickel(II) diphosphinoamine/methylaluminumoxane catalytic system", G.C. Vougioukalakis, I. Stamatopoulos, N. Petzetakis, C.P. Raptopoulou, V. Psycharis, A. Terzis, P. Kyritsis, M. Pitsikalis, N. Hadjichristidis, *J. Polym. Science, Part A Polymer Chemistry*, 2009, 47, 5241-5250.
- 36.** "A multi-frequency high-field electron-paramagnetic-resonance study of Co(II)S₄ coordination", D. Maganas, S. Milikisyants, J.M.A. Rijnbeek, S. Sottini, N. Levesanos, P. Kyritsis, E.J.J. Groenen, *Inorg. Chem.*, 2010, 49, 595-605.
- 37.** "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", D. Maganas, A. Grigoropoulos, S.S. Staniland, S.D. Chatziefthimiou, A. Harrison, N. Robertson, P. Kyritsis, F. Neese, *Inorg. Chem.*, 2010, 49, 5079-5093.
- 38.** "Structural, spectroscopic and magnetic properties of structurally diverse metal coordination compounds, bearing imidodiphosphate and diphosphinoamine ligands, as potential inhibitors of the Platelet Activating Factor (PAF), A.B. Tsoupras, M. Roulia, E. Ferentinos, I. Stamatopoulos, C.A. Demopoulos, P. Kyritsis, *Bioinorg. Chem. Appl.*, 2010, Article Number: 731202.
- 39.** "A bacteria-specific 2[4Fe-4S] ferredoxin is essential in *Pseudomonas aeruginosa*", S. Elsen, G. Efthymiou, P. Peteinatos, G. Diallinas, P. Kyritsis, J.-M. Moulis, *BMC Microbiology*, 2010, 10:27.
- 40.** "Conversion of tetrahedral to octahedral structures upon solvent coordination: Studies on the M[(OPPh₂)(SePPh₂)N]₂ (M = Co, Ni) and [Ni{(OPPh₂)(EPPPh₂)N}₂(dmf)₂] (E = S, Se) complexes", E. Ferentinos, D. Maganas, C.P. Raptopoulou, V. Psycharis, A. Terzis, N. Robertson, P. Kyritsis, *Dalton Trans.*, 2011, 40, 169-180.
- 41.** "Theoretical analysis of the Spin Hamiltonian parameters in Co^(II)S₄ complexes, using Density Functional Theory and Correlated *ab initio* Methods", D. Maganas, S. Sottini, P. Kyritsis, E.J.J. Groenen, F. Neese, *Inorg. Chem.*, 2011, 50, 8741-8754.

- 42.** "Inhibitory activity of the novel $\text{Zn}[(\text{OPPh}_2)(\text{SePPh}_2)\text{N}]_2$ complex towards the Platelet Activating Factor (PAF) and thrombin. Comparison with its isomorphous Co(II) and Ni(II) analogues", E. Ferentinos, A.B. Tsoupras, M. Roulia, S.D. Chatziefthimiou, C.A. Demopoulos, P. Kyritsis, *Inorg. Chim. Acta*, 2011, **378**, 102-108.
- 43.** "Structural, spectroscopic and catalytic properties of $[\text{Ni}\{(\text{Ph}_2\text{P})_2\text{N}-S\text{-CHMePh-}P,P\}\text{X}_2]$ complexes, X= Cl, Br, in Kumada and Suzuki-Miyaura coupling reactions", I. Stamatopoulos, M. Plaček, V. Psycharis, A. Terzis, J. Svoboda, P. Kyritsis, J. Vohlídal, *Inorg. Chim. Acta*, 2012, **387**, 390-395.
- 44.** "Magnetostructural correlations in pseudo-octahedral $[\text{Ni}^{\text{II}}\{(\text{OPPh}_2)(\text{EPPh}_2)\text{N}\}_2(\text{sol})_2]$ complexes, E = S, Se; sol = dmf, thf, by magnetometry, HFEPN and *ab initio* quantum chemistry", D. Maganas, J. Krzystek, E. Ferentinos, A.M. Whyte, N. Robertson, V. Psycharis, A. Terzis, F. Neese, P. Kyritsis, *Inorg. Chem.*, 2012, **51**, 7218-7231.
- 45.** "High frequency EPR study of the high-spin FeII complex $\text{Fe}[(\text{SPPH}_2)_2\text{N}]_2$ ", G. Mathies, S.D. Chatziefthimiou, D. Maganas, Y. Sanakis, S. Sottini, P. Kyritsis, E.J.J. Groenen, *J. Magn. Reson.*, 2012, **224**, 94-100.
- 46.** "Ligand-assisted olefin hydroformylation by Rh^{I} complexes bearing chalcogenido-functionalized imidodiphosphate ligands. Mechanistic investigations through DFT computational methods", A. Grigoropoulos, D. Maganas, D. Symeonidis, P. Giastas, A.R. Cowley, P. Kyritsis, G. Pneumatikakis, *Eur. J. Inorg. Chem.*, 2013, 1170-1183.
- 47.** "Coordination of $^i\text{Pr}_2\text{P}(\text{O})\text{NHP}(\text{O})^i\text{Pr}_2$ to Co^{II} : Simultaneous formation of octahedral and tetrahedral complexes", N. Levesanos, A. Grigoropoulos, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, *Inorg. Chem. Commun.*, 2013, **30**, 34-38.
- 48.** "Electronic and magnetic properties of the binuclear $[\text{Mn}_2\{(\text{OPPh}_2)_2\text{N}\}_4]$ complex, as revealed by magnetometry, EPR and Density Functional Broken-Symmetry studies", T.D. Tzima, E. Ferentinos, D. Maganas, V.S. Melissas, Y. Sanakis, P. Kyritsis, *Polyhedron*, 2013, **52**, 706-712.
- 49.** "The spin relaxation properties of a high-spin mononuclear $\text{Mn}^{\text{III}}\text{O}_6$ -containing complex", A. Grigoropoulos, M. Pissas, P. Papatolis, V. Psycharis, P. Kyritsis, Y. Sanakis, *Inorg. Chem.*, 2013, **52**, 12869-12871.
- 50.** "A novel Kumada coupling catalyst, $[\text{Ni}\{(\text{Ph}_2\text{P})_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3-P,P\}\text{Cl}_2]$, bearing a ligand for direct immobilization onto siliceous mesoporous molecular sieves", *Eur. J. Inorg. Chem.*, I. Stamatopoulos, D. Giannitsios, V. Psycharis, C.P. Raptopoulou, H. Balcar, A. Zukal, J. Svoboda, P. Kyritsis, J. Vohlídal, *Eur. J. Inorg. Chem.*, 2015, 3038-3044.
- 51.** "Direct observation of very large zero-field splitting in a tetrahedral $\text{Ni}^{\text{II}}\text{Se}_4$ coordination complex", S.-D. Jiang, D. Maganas, N. Levesanos, E. Ferentinos, S. Haas, K. Thirunavukkuarasu, J. Krzystek, M. Dressel, L. Bogani, F. Neese, P. Kyritsis, *J. Am. Chem. Soc.*, 2015, **137**, 12923-12928.
- 52.** "Magnetic anisotropy of tetrahedral Co^{II} Single Ion Magnets: Solid state effects", S. Sottini, G. Poneti, S. Ciattini, N. Levesanos, E. Ferentinos, J. Krzystek, L. Sorace, P. Kyritsis, *Inorg. Chem.*, 2016, **55**, 9537-9548.
- 53.** "A molecular Ni-complex containing tetrahedral nickel selenide core as highly efficient electrocatalyst for water oxidation", J. Masud, P.-C. Ioannou, N. Levesanos, P. Kyritsis, M. Nath, *ChemSusChem*, 2016, **9**, 3128-3132. Journal Cover, Issue 22, 2016. Cover Profiles, 2016, **9**, 3123.
- 54.** "Investigating the structural, spectroscopic and electrochemical properties of $[\text{Fe}\{(\text{EPIPr}_2)_2\text{N}\}_2]$, E = S, Se, and the formation of iron selenides by Chemical Vapor Deposition", N. Levesanos, Wipula P.R. Liyanage, E. Ferentinos, G. Raptopoulos, P.

Paraskevopoulou, Y. Sanakis, A. Choudhury, P. Stavropoulos, M. Nath, P. Kyritsis, *Eur. J. Inorg. Chem.*, 2016, 5332-5339.

55. "The novel $[\text{Ni}\{(\text{Ph}_2\text{P})_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{-P,P}'\}_2\text{I}_2]$ complex: Structural features and catalytic reactivity in the oligomerization of ethylene", I. Stamatopoulos, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, *Open Chem.*, 2016, 14, 351-356.

56. "Immobilization of $[\text{Pd}\{(\text{Ph}_2\text{P})_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{-}\kappa\text{P,P}'\}\text{X}_2]$ ($\text{X} = \text{Cl}, \text{Br}$) onto montmorillonite: Investigating their performance as homogeneous or heterogenized Suzuki-Miyaura catalysts", I. Stamatopoulos, M. Roulia, K.A. Vallianatou, C.P. Raptopoulou, V. Psycharis, M. Carravetta, C. Papachristodoulou, E. Hey-Hawkins, I.D. Kostas, P. Kyritsis, *Chem.Select*, 2017, 2, 12051-12059.

57. "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 $\text{Fe}^{\text{II}}\text{Se}_4$ coordination sphere", E. Ferentinos, S. Chatziefthimiou, A.K. Boudalis, M. Pissas, G. Mathies, P. Gast, E.J.J. Groenen, Y. Sanakis, P. Kyritsis, *Eur. J. Inorg. Chem.*, 2018, 713-721.

58. "Magnetostructural correlations in $S = 1$ trans- $[\text{Ni}\{(\text{OPPh}_2)(\text{EPPH}_2)\text{N}\}_2(\text{dmsO})_2]$, $\text{E} = \text{S}, \text{Se}$, and related complexes", E. Ferentinos, C.P. Raptopoulou, V. Psycharis, A. Terzis, J. Krzystek, P. Kyritsis, *Polyhedron*, 2018, 151, 177-184.

59. "Structural features and catalytic reactivity of $[\text{Pd}\{(\text{Ph}_2\text{P})_2\text{N}(\text{CH}_2)_3\text{Si}(\text{OCH}_3)_3\text{-}\kappa\text{P,P}'\}_2\text{I}_2]$ and related complexes in hydroalkoxycarbonylation and Suzuki-Miyaura C–C cross-coupling reactions", I.K. Stamatopoulos, M. Kapsi, M. Roulia, G.C. Vougioukalakis, C.P. Raptopoulou, V. Psycharis, I.D. Kostas, L. Kollár, P. Kyritsis, *Polyhedron*, 2018, 151, 292-298.

60. "Self-assembled tetrameric H_2O clusters in the crystal lattice of $[\text{Cu}(\mu^2\text{-OH})\{\text{Ph}_2\text{P}(\text{O})\text{NP}(\text{O})\text{Ph}_2\text{-}\kappa^1\text{O,O}\}\{1,10\text{-phen-}\kappa^2\text{N,N}\}]_2 \cdot 2\text{H}_2\text{O}$ ", M. Tsoukala, P.-C. Ioannou, A. Panagiotopoulou, M. Pelecanou, C.P. Raptopoulou, V. Psycharis, P. Kyritsis, *J. Coord. Chem.*, 2018, 71, 4047-4057.

61. "Suzuki-Miyaura C–C coupling reaction: Probing effects of the halogeno ligand X^- and the ligand's $t\text{Bu}$ group", P.-C. Ioannou, C. Arbez-Gindre, M. Zoumpantioti, C.P. Raptopoulou, V. Psycharis, I.D. Kostas, P. Kyritsis, *J. Organom. Chem.*, 2019, 879, 40-46.

62. "Field-induced slow relaxation of magnetization in the $S = 3/2$ octahedral complexes trans- $[\text{Co}\{(\text{OPPh}_2)(\text{EPPH}_2)\text{N}\}_2(\text{dmf})_2]$, $\text{E} = \text{S}, \text{Se}$: Effects of Co–Se vs Co–S coordination", E. Ferentinos, M. Xu, A. Grigoropoulos, I. Bratsos, C.P. Raptopoulou, V. Psycharis, S.-D. Jiang, P. Kyritsis, *Inorg. Chem. Front.*, 2019, 6, 1405-1414.

63. "Unusual ^{31}P Hyperfine Strain Effects in a conformationally flexible Cu(II) complex revealed by two-dimensional Pulse EPR spectroscopy", N.-A. Stamos, E. Ferentinos, M. Chrysina, C.P. Raptopoulou, V. Psycharis, Y. Sanakis, D.A. Pantazis, P. Kyritsis, G. Mitrikas, *Inorg. Chem.*, 2020, 59, 3666-3676.

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