

PRESENTATIONS (ORALLY OR BY POSTER) AT CONFERENCES OR SYMPOSIA

Delivered in-presence (unless indicated otherwise)

- 1 J. Chatt, A.J.L. Pombeiro*, R.L. Richards, C. Royston, "The Reactions of Isonitrile Complexes of Molybdenum(0) and Tungsten(0) with Alkylating Reagents", Internat. Symposium on Metals in Organic Chemistry, Venice, Italy, 1974, B8.
- 2 A.J.L. Pombeiro*, R.L. Richards, J. Chatt, "Studies on the 'Mo(dppe)₂' Nitrogen Fixation Metal Site" (in Portuguese), First National Chemical Meeting, Lisbon, 1978, 4.10.2
- 3 A.J.L. Pombeiro*, J. Chatt, R.L. Richards, "Fluxional Behaviour of Carbyne, Carbene and Hydride Complexes with a Nitrogen Fixation Metal Site" (in Portuguese), Second National Chemical Meeting, Porto, 1979, 3A1.4.
- 4 J. Chatt, A.J.L. Pombeiro*, R.L. Richards, "The Substitution Reactions of Dinitrogen Complexes of Molybdenum and Tungsten with Isonitriles", Ninth Internat. Conference on Organometallic Chemistry, Dijon, France, 1979, D47.
- 5 A.J.L. Pombeiro*, R.L. Richards, "Diaza-diene and Isonitrile Complexes of Mo" (in Portuguese), Third National Chemical Meeting, Coimbra, 1980, 10B3.2
- 6 A.J.L. Pombeiro*, C.J. Pickett, R.L. Richards, S.A. Sango Koya, "Mechanistic Studies on the Displacement of Dinitrogen by Isocyanides in Complexes of Mo(0). Evidence for the First Mixed Complex of Dinitrogen and Isocyanide", Third National Chemical Meeting, Coimbra, 1980, 10P13.
- 7 A.J.L. Pombeiro*, R.L. Richards, "Isonitrile Derived Carbynes at Nitrogen Fixation Metal Sites", XXI Internat. Conference on Coordination Chemistry, Toulouse, 1980, 457.
- 8 A.J.L. Pombeiro*, "Abiological Chemistry in the Interpretation of the Enzymatic Nitrogen Fixation: Mechanistic Hypotheses on the Natural Reduction of Isocyanide and Dinitrogen" (in Portuguese), presented at the Academy of Sciences of Lisbon, October 9th, 1980 (see II.17).
- 9 A.J.L. Pombeiro*, M.F.N.N. Carvalho, "Diaza-diene and Isocyanide Chloro-complexes of Tungsten(II, IV or V)" (in Portuguese), Fourth National Chemical Meeting, Lisbon, 1981, PC 141.
- 10 M.B.M. Baptista, A.J.L. Pombeiro*, "Preparation of Alkylisocyanide Complexes of Iron(II), *trans*-[FeH(CNR)(dppe)₂]A with a Dinitrogen Binding Site" (in Portuguese), Fourth National Chemical Meeting, Lisbon, 1981, PC 133.
- 11 M.F.N.N. Carvalho, A.J.L. Pombeiro*, R.L. Richards, "Preparation of Carbyne Complexes of Rhenium, *trans*-[ReCl(CNHR)(dppe)₂]A (R = Me, Bu^t)" (in Portuguese), Fourth National Chemical Meeting, Lisbon, 1981, PC 153.
- 12 A.J.L. Pombeiro*, "Studies on a Novel Route for Carbyne-Type Ligands through Attack of Iminium Halide to a Dinitrogen Monophosphine Complex, *cis*-[Mo(N₂)₂(PMe₂Ph)₄]", presented at the Academy of Sciences of Lisbon, May 7th, 1981 (see II.22).
- 13 A.J.L. Pombeiro*, M.F.N.N. Carvalho, P.B. Hitchcock, R.L. Richards, "Isocyanide Derived Carbyne-type Complexes of Rhenium, *trans*-[ReCl(CNHR)(dppe)₂]A (R = Me or Bu^t); X-Ray Structure of *trans*-[ReCl(CNHMe)(dppe)₂]BF₄", Xth Internat. Conference on Organometallic Chemistry, Toronto, Canada, 1981, 5A09.
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- 29 A.J.L. Pombeiro, "Cyclic Systems in Nitrogen Fixation – 75 Years after the Development of the Catalytic Synthesis of Ammonia", presented at the Academy of Sciences of Lisbon, October 26th, 1983 (see II.34).
 - 30 M.F.N.N. Carvalho, A.J.L. Pombeiro*, "Preparation of Cationic Isocyanide Complexes of Rhenium, $[\text{ReCl}(\text{CNR})(\text{dppe})_2]^+$ and $[\text{Re}(\text{CNMe})(\text{CNR})(\text{dppe})_2]^+$ ", VII Annual Meeting of the Portuguese Chemical Society, Lisbon, 1984, PB8.
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- 716 M. Sutradhar, A.J.L. Pombeiro, "Azine based vanadium complexes and their applications", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, IL6 (invited lecture presented by MS).
- 717 S.A.C. Carabineiro, L.M.D.R.S. Martins, A.J.L. Pombeiro, J.L. Figueiredo, "Gold-nitrogen complexes anchored on functionalised carbon materials for the oxidation of alkanes and alcohols", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, O21 (oral presented by SACC).
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- 719 A. Karmakar, L.M.D.R.S. Martins, S. Hazra, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Metal Organic Frameworks with Pyridyl-Based Isophthalic Acid and Their Catalytic Applications", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, F11 (flash oral).
- 720 A.G. Mahmoud, L.M.D.R.S. Martins, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Complexes bearing scorpionate ligands for homogeneous catalysis", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, F19 (flash oral presented by AGM).
- 721 A.V. Gurbanov, M.N. Kopylovich, A.M. Maharramov, K.T. Mahmudov, A.J.L. Pombeiro, "Mechanochemical pretreatment in the synthesis of copper(II) coordination polymers", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P3.
- 722 D.S. Nesterov, O.V. Nesterova, M.N. Kopylovich, A.J.L. Pombeiro, "Retention of Stereoconfiguration upon sp³ C-H Bonds Hydroxylation with m-CPBA Oxidant and a Cobalt Phthalocyanine Catalyst", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P7.

- 723 O.V. Nesterova, D.S. Nesterov, A.J.L. Pombeiro, "Self-assembled Diethanolamine-based Complexes with Unusual Penta- and Hexanuclear Cores", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P8.
- 724 I. Matias, A.P.C. Ribeiro, A.J.L. Pombeiro, L.M.D.R.S. Martins, "Catalytic Performance of Core-shell@[FeCl₂{HC(pz)₃}] in 1-phenylethanol Oxidation", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P19.
- 725 E. Pakrieva, A.P.C. Ribeiro, L.M.D.R.S. Martins, S.A.C. Carabineiro, E. Kolobova, A.J.L. Pombeiro, J.L. Figueiredo, N. Bogdanchikova, A. Pestryakov, "Gold-nitrogen complexes supported on carbon materials for the hydrocarboxylation of cyclohexane", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P31.
- 726 T.R. Barman, M. Sutradhar, E.C.B.A. Alegria, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Polynuclear arylhydrazone-Cu(II) complexes towards the oxidation of xylenes under mild conditions", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P32.
- 727 M.A. Andrade, A.S. Mestre, A.P. Carvalho, A.J.L. Pombeiro, L.M.D.R.S. Martins, "Catalytic Cyclohexane Oxidation with Carbon-supported C-Scorpionate FeII Complex", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P37.
- 728 E.C.B.A. Alegria, A.P. Ribeiro, C.M. Granadeiro, S.S. Balula, K.T. Mahmudov, F.I. Zubkov, A.J.L. Pombeiro, "Iron(III)-arylhydrazone- β -diketone complexes immobilized on mesoporous SBA-15 as catalysts in the oxidation of alkanes", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P38.
- 729 B.G.M. Rocha, L.M.T. Frija, M.L. Kuznetsov, M.N. Kopylovich, L. Cabral, M.L.S. Cristiano, A.J.L. Pombeiro, "3-((2-Methyl-2H-tetrazol-5-yl)amino)benzothiazole 1,1-dioxide: A Simple but Efficient Organocatalyst for Benzyl Alcohols Oxidation under Smooth Conditions", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P39.
- 730 O. Bondarenko, J. Rusanova, D.S. Nesterov, A.J.L. Pombeiro, "A Novel Dinuclear Cobalt Schiff Base Complex with Disulfide Moiety: Synthesis, Structure and Catalytic Activity", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P50.
- 731 N.M.R. Martins, K.T. Mahmudov, L.M.D.R.S. Martins, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Iron(III) complex of new formazan ligand as catalyst for cyclohexane oxidation", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P51.
- 732 A.P.C. Ribeiro, A.J.L. Pombeiro, L.M.D.R.S. Martins, "Supercritical carbon dioxide for the cascade hydrogenation to methanol", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, O20 (oral presented by APCR).
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- 740 J. Wang, A.P.C. Ribeiro, M.S. Saraiva, L.M.D.R.S. Martins, M.J. Calhorda, A.J.L. Pombeiro, "Molybdenum(II) organometallic phenanthroline complexes used for oxidation of cyclooctene", 7th EuCheMS Conference on Nitrogen Ligands, Lisbon, September 4-7th, 2018, P40.

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- 736 L.M.D.R.S. Martins, A.P.C. Ribeiro, I.A.S. Matias, E.C.B.A. Alegria, A.M. Ferraria, A.M.B. Rego, A.J.L. Pombeiro, "New trendy magnetic C-scorpionate iron catalysts for sustainable adipic acid production", International Conference on Applied Catalysis & Chemical Engineering, Dubai, 2019, p. 34 (invited lecture presented by LMDRSM).
- 737 M.A. Andrade, A.S. Mestre, A.P. Carvalho, A.J.L. Pombeiro, L.M.D.R.S. Martins, "Porous carbon materials: catalysts for cyclohexane oxidation", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (oral presented by MAA).
- 738 K.T. Mahmudov, A.J.L. Pombeiro, "Intramolecular Noncovalent Interactions in Synthesis and Catalysis", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (oral presented by KTM).
- 739 A. Karmakar, G.M.D.M. Rúbio, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Synthesis of metallo-macrocyclic and coordination polymers with pyridine based amidocarboxylate ligand and their catalytic activities towards Henry and Knoevenagel reactions", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (poster).
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- 742 I.L. Librando, A.G. Mahmoud, S.A.C. Carabineiro, C.F.G.C. Geraldés, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Catalytic activity of carbon supported Cu(I) complexes for the synthesis of 1,2,3-triazoles", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (poster).
- 743 L.M.T. Frija, A.J.L. Pombeiro, "Design, synthesis and application of novel tetrazolyl- and thiadiazolyl-benzisothiazole derivatives as dynamic multidentate nitrogen ligands in catalysis and selective chelating agents for metals in biological medium", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (poster).
- 744 T.R. Barman, M. Sutradhar, E.C.B.A. Alegria, F. Scorcellen, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Catalytic applications of Cu(II) complexes towards microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol", CQE Days – Spring Meeting, Academy of Sciences of Lisbon, May 30-31, 2019, Lisbon, Portugal (poster).
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- 746 K.T. Mahmudov, A.V. Gurbanov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "N-heterocycles as a noncovalent bond donor or acceptor synthon in synthesis, catalysis and design of materials", 4th Meeting of the College of Chemistry of the University of

- Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (oral presented by KTM).
- 747 L.M.T. Frija, E. Ntungwe, P. Sitarek, J.M. Andrade, M. Toma, T. Śliwiński, L. Cabral, M.L.S. Cristiano, “Antimicrobial, antioxidant and cytotoxic activities of saccharin-tetrazolyl and -thiadiazolyl derivatives”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (oral presented by LMTF).
- 748 T.R. Barman, M. Sutradhar, E.C.B.A. Alegria, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Microwave-assisted oxidation of xylenes by Cu(II)-arylohydrazones”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (oral flash presented by TRB).
- 749 A.V. Gurbanov, K. T. Mahmudov, A.J.L. Pombeiro, “Template synthesis of a trinuclear copper(II) complex from arylhydrazone of malononitrile”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (poster).
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- 752 O.V. Nesterova, O.E. Bondarenko, D.S. Nesterov, A.J.L. Pombeiro, “Mono- and tetranuclear Cu(II) complexes with N,O-donor ligands: Synthesis, crystal structures and catalytic properties”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (poster).
- 753 A. Paul, A. Karmakar, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Nitroaldol (Henry) reaction catalysed by amide functionalized metal organic frameworks in aqueous medium”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (poster).
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- 755 S.R.G. Fernandes, F. Figueira, S. Beirão, A.J.L. Pombeiro, M.F.C. Guedes da Silva, B. Sarmiento, E.C.B.A. Alegria, F.A.A. Paz, J.P.C. Tomé, “Carboxylic Porphyrin-Based Metal-Organic Frameworks as New (Photo)Catalysts”, 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future &

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- 757 I.A.S. Matias, M.M.A. Soliman, M.N. Kopylovich, E.C.B.A. Alegria, A.P.C. Ribeiro, A.J.L. Pombeiro, "Metal-organic frameworks synthesized by ball mill and their application in transesterification reaction", 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (poster).
- 758 B.G.M. Rocha, L.M.T. Frija, M.L. Kuznetsov, L.I. L. Cabral, M.L.S. Cristiano, A.J.L. Pombeiro, "Nickel(II) tetrazole-saccharinate complex as homogeneous catalyst on the reduction of aldehydes: Scope and reaction mechanism", 4th Meeting of the College of Chemistry of the University of Lisbon, Chemistry: Shaping the future & 2019 Summer School, Rectory of the University of Lisbon, July 16-19, 2019, Lisbon, Portugal (poster).
- 759 F.M.S. Rodrigues, L.M.D.R.S. Martins, M.M. Pereira, A.J.L. Pombeiro, "Development of a dual Rh-P/Fe-C-Scorpionate heterogeneous catalysts for sequential hydroformylation-acetalization reaction", 12th International School of Organometallic Chemistry (ISOC 2019), August 31 - September 4, 2019, Camerino, Italy (poster, flash oral).
- 760 J. Wang, A.P.C. Ribeiro, M.S. Saraiva, L.M.D.R.S. Martins, M. Kopylovich, M.J. Calhorda, A.J.L. Pombeiro, "Synergistic catalysis upon combination of copper(II)-triazapentadienate complexes and carbon nanotubes", 12th International School of Organometallic Chemistry (ISOC 2019), August 31 - September 4, Camerino, Italy (poster)
- 761 I.L. Librando, A.G. Mahmoud, S.A.C. Carabineiro, C.F.G.C. Geraldês, M.F.C. Guedes da Silva, "Catalytic activity of carbon supported Cu(I) complexes for the synthesis of 1,2,3-triazoles", 12th International School of Organometallic Chemistry (ISOC 2019), August 31- September 04, 2019, Camerino, Italy (poster)
- 762 E.C.B.A. Alegria, M.N. Kopylovich, A.P.C. Ribeiro, A.J.L. Pombeiro, "Mechanochemical Activation of Noncovalent Interactions", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, F1 (flash presentation).
- 763 T.R. Barman, M. Sutradhar, E.C.B.A. Alegria, L.M.D.R.S. Martins, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Cu(II) complexes: structures, noncovalent interactions and microwave assisted oxidation of alkanes", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, F4 (flash presentation).
- 764 B.G.M. Rocha, L.M.T. Frija, M.L. Kuznetsov, L.I.L. Cabral, M.L.S. Cristiano, A.J.L. Pombeiro, "Nickel(II) Tetrazole-saccharinate Complex as Homogeneous Catalyst on the Reduction of Aldehydes: Scope and Reaction Mechanism", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, F5 (flash presentation).
- 765 M.M.A. Soliman, E.C.B.A. Alegria, A. Karmakar, A.P.C. Ribeiro, M.S. Saraiva, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "ZnO nanoparticles: an efficient catalyst for transesterification reaction of α -keto carboxylic esters", 1st International

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- 766 A. Paul, A.J.L. Pombeiro, "Transformation of an amide functionalised mononuclear Zn(II) complex to a Cu(II) complex through transmetalation", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, P7 (poster).
- 767 D.S. Nesterov, O.V. Nesterova, J. Jezierska, A. Ozarowski, A.J.L. Pombeiro, "Copper(II) Complexes with Bulky N-Substituted Diethanolamines: High-Field Electron Paramagnetic Resonance, Magnetic, and Catalytic Studies", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, P17 (poster).
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- 769 I.A.S. Matias, M.M.A. Soliman, J.M.N. Brás, M.N. Kopylovich, E.C.B.A. Alegria, A.P.C. Ribeiro, A.J.L. Pombeiro, "Zinc Metal-Organic Frameworks Hybrid Materials and their Application in Catalysis", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, P30 (poster).
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- 772 O.V. Nesterova, D.S. Nesterov, O.E. Bondarenko, A.J.L. Pombeiro, "Mono- and Tetranuclear Cu(II) 2-benzylethanolamine-based Complexes: Synthesis, Supramolecular Diversity and Catalytic Properties", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, P60 (poster).
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- 775 S. Hazra, M.F.C. Guedes da Silva, S. Mohanta, A.J.L. Pombeiro, "Noncovalent Interactions in Compartmental Schiff base Heterometallic M-Sn(II/IV) Systems", 1st International Conference on Noncovalent Interactions (ICNI), 2019, Lisboa, Portugal, September 2-6, 2019, P77 (poster).

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- 777 A.B. Paninho, A. Forte, M.E. Zakrzewska, K.T. Mahmudov, A.J.L. Pombeiro, M.F.C. Guedes da Silva, M. Nunes da Ponte, L.C. Branco, A.V.M. Nunes, “Hydroxyl-functionalised ionic liquids in the synthesis of cyclic carbonates from high-pressure CO₂”, 1st Iberian Meeting on Supercritical Fluids, Santiago de Compostela, Spain, February 18-19, 2020 (poster).
- 778 N. Reis Conceição, O.V. Nesterova, D.S. Nesterov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Mn and Fe Polynuclear Complexes with O,N-Donor Ligands and Their Catalytic Activity Towards Oxidative Functionalization of Alkanes”, International School of Chemistry “Chemistry for Everyday Life” (virtual), Camerino, Italy, September 1-6, 2020, P34, p. 107 (flash, presented by NRC).
- 779 M.M.A. Soliman, E.C.B.A. Alegria, A.P.C. Ribeiro, M.M. Alves, M.F. Montemor, A.J.L. Pombeiro, “Green synthesis of ZnO particles and their application as catalysts in the transesterification of methyl benzoates”, 6th International Conference on New Trends in Chemistry, Istanbul, Turkey, October 16-18, 2020 (oral, presented by MMAS).
- 780 J.M.N. Brás, L.M.M. Correia, A.P.C. Ribeiro, A.J.L. Pombeiro, E.C.B.A. Alegria, “Sustainable Synthesis of Metal-Organic Frameworks (MOFs) and their application as dynamic catalysts”, Webinar “Catalysis & Chemical Engineering 2020”, USA, November 5, 2020 (poster).
- 781 L.M.M. Correia, J.M.N. Brás, L.M.D.R.S. Martins, A.J.L. Pombeiro, E.C.B.A. Alegria, “Vanadium C-scorpionate immobilized on mesoporous silica as catalyst for alcohol oxidation”, Webinar “Catalysis & Chemical Engineering 2020”, USA, November 5, 2020 (poster).
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- 783 I.L. Librando, A.G. Mahmoud, S.A.C. Carabineiro, M.F.C. Guedes da Silva, C.F.G.C. Geraldes, A.J.L. Pombeiro, “Functionalized PTA derivatives as homo- and heterogeneous catalysts for the copper(I)-catalyzed azide-alkyne cycloaddition (CuAAC)”, 5th CATSUS Workshop (virtual), Instituto Superior Técnico, Lisbon, November 20, 2020, OP14, p.24 (oral, presented by ILL)
- 784 N.R. Conceição, A.G. Mahmoud, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Functionalized 1,3,5-Triaza-7-phosphadadamantane (PTA) Ligands and Their 3d Metal Complexes: Aiming for a “Green Chemistry”, 5th CATSUS Workshop (virtual), November 20, 2020, OP16, p.26 (oral, presented by NRC).
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- 787 A. Karmakar, A.J.L. Pombeiro, “Development of amide functionalized metal organic frameworks for cascade reactions: a comparative study”, CQE Days - Spring Meeting (virtual), May 2021, P71 (presented by AK).
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- 791 N. Reis Conceição, A.G. Mahmoud, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Functionalized 1,3,5-Triaza-7-phosphaadamantane Ligands and Their Cu(I) /Cu(II) and Zn(II) Metal Complexes: Synthesis and Characterization”, XIII International School of Organometallic Chemistry (XIII ISOC) (New Directions and Perspectives on Organometallic Chemistry) (virtual), University of Camerino, Italy, Sept. 1-3, 2021, No.7, p.24 (poster presented by NRC).
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- 797 I.L. Librando, A.G. Mahmoud, S.A.C. Carabineiro, M.F.C. Guedes da Silva, C.F.G.C. Geraldes, A.J.L. Pombeiro, “Cu(I)-*N*-alkylated 1,3,5-triaza-7-phosphaadamantane complexes: homo- and heterogeneous catalysts for the click-derived triazoles”, 6th

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- 798 N. Reis Conceição, B. Nobre, A. Karmakar, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “A Zn-MOF-catalyzed Knoevenagel condensation in $scCO_2$ ”, 6th CATSUS Workshop (virtual), Instituto Superior Técnico, Lisbon, December 6, 2021, OP13, p.24 (oral, presented by NRC).
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- 800 M. Sutradhar, T.R. Barman, L.M.D.R.S. Martins, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Oxidation reactions catalyzed by oxidovanadium(V)-aroylhydrazone complexes”, XI National Meeting on Catalysis and Porous Materials and II Meeting of the Carbon Group of the Portuguese Chemical Society (virtual), University of Aveiro, Aveiro, December 9-10, 2021, P1 (poster presented by MS).
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- 802 E. Alegria, L. Correia, M. Soliman, C. Granadeiro, S. Balula, L. Martins, A. Pombeiro, “Vanadium C-scorpionate composite as catalyst for the peroxidative oxidation of benzyl alcohol”, XI National Meeting on Catalysis and Porous Materials and II Meeting of the Carbon Group of the Portuguese Chemical Society (virtual), University of Aveiro, Aveiro, December 9-10, 2021, P44 (poster presented by EA).
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- 804 M.M.A. Soliman, M.N. Kopylovich, E.C.B.A. Alegria, A.P.C. Ribeiro, A.M. Ferraria, A.M. Botelho do Rego, L.M.M. Correia, M.S. Saraiva, A.J.L. Pombeiro, “Distinctive morphologies of iron-based composites prepared mechanochemically: opportunities for smart applications”, Smart and Intelligent Composite Structures for Innovative Industrial Applications (SICS 2021) (virtual), Lavrion Technological Cultural Park, Attica, Greece, December 8-9, 2021 (oral, presented by MMAS).
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- 806 A. Karmakar, A. Paul, A.J.L. Pombeiro, “Adsorptive removal of organic dyes from wastewater using polyaromatic group containing Zn(II)-based coordination polymers”, CQE Days 2022, Faculty of Sciences of the University of Lisbon, May 26-27, 2022, O10, p.28 (oral, presented by AK).
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- 810 V.A. Aliyeva, Vusala, A.V. Gurbanov, A.G. Mahmoud, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Aerobic oxidation of a chalcogen bond donor centre in a copper(II) complex", CQE Days 2022, Faculty of Sciences of the University of Lisbon, May 26-27, 2022, P67, p.108 (poster, presented by VAA).
- 811 N. Reis Conceição, B.P. Nobre, A. Karmakar, A.M.F. Palavra, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Knoevenagel condensation of benzaldehyde and malononitrile in scCO₂ catalyzed by a Zn(II)-CP", CQE Days 2022, Faculty of Sciences of the University of Lisbon, May 26-27, 2022, P144, p.187 (poster, presented by NRC).
- 812 L. Frija, B. Rocha, A. Pombeiro, "Solvent-free oxidation of 1-phenylethanol to acetophenone catalyzed by Cu(NO₃)₂·2.5H₂O: a fine laboratory experiment for undergraduate students", CQE Days 2022, Faculty of Sciences of the University of Lisbon, May 26-27, 2022, P55 (poster, presented by LF).
- 813 A.G. Mahmoud, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Complexes of lower rim functionalized PTA derivatives: Synthesis, characterization and application in catalysis", 5th Meeting of the College of Chemistry of the University of Lisbon: Forging Bonds, Rectory of the University of Lisbon, July 12-14, 2022, OC10, p.20 (oral, presented by AGM).
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- 815 D.S. Nesterov, O.V. Nesterova, A.J.L. Pombeiro, "Heterometallic Hexanuclear Co/Fe Complex as a Pre-Catalyst in the Homogeneous Oxidation of C–H Bonds with *m*-CPBA", 5th Meeting of the College of Chemistry of the University of Lisbon: Forging Bonds, Rectory of the University of Lisbon, July 12-14, 2022, P6, p.46 (poster, presented by DSN).
- 816 O.V. Nesterova, D.S. Nesterov, A.J.L. Pombeiro, "Synthesis, Crystal Structures and Phenoxazinone Synthase-like Catalytic Activity of Copper(II) Complexes with Aminoalcohol Ligands", 5th Meeting of the College of Chemistry of the University of Lisbon: Forging Bonds, Rectory of the University of Lisbon, July 12-14, 2022, P10, p.41 (poster, presented by OVN).
- 817 M. Bernardino, S. Beirão, F. Figueira, M.M.A. Soliman, M.F.C. Guedes da Silva, A.J.L. Pombeiro, F.A.A. Paz, E.C.B.A. Alegria, J.P.C. Tomé, "New Hybrid Photoactive Materials Based on Glycoporphyryns", 5th Meeting of the College of Chemistry of the University of Lisbon: Forging Bonds, Rectory of the University of Lisbon, July 12-14, 2022, P23, p.52 (poster, presented by MB).
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- 821 A. Paul, A.J.L. Pombeiro, "Versatility of amide Functionalized Coordination Polymers", XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, O30 (oral, presented by AP).
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- 823 I.L. Librando, A. Paul, A.G. Mahmoud, S.A.C. Carabineiro, M.F.C. Guedes da Silva, C.F.G.C. Geraldes, A.J.L. Pombeiro, "Microwave-assisted cyclohexane oxidation catalysis by triazaphosphaadamantane-functionalized terpyridine metal complexes", XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, F24 (flash oral and poster, presented by ILL).
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- 827 A.V. Gurbanov, V.A. Aliyeva, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Construction of copper(II)-arylhydrazonate complexes through auxiliary ligand alteration: catalytic activity in azide-alkyne cycloaddition reaction", XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P10 (poster, presented by AVG).
- 828 D.S. Nesterov, O.V. Nesterova, A.J.L. Pombeiro, "Homogeneous oxidation of C-H bonds with m-CPBA catalysed by a Co/Fe system", XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P17 (poster, presented by DSN).
- 829 O.V. Nesterova, O.Y. Vassilyeva, D.S. Nesterov, A.J.L. Pombeiro, "A novel o-vanillin Fe(III) complex catalytically active in C-H oxidation", XXII International

- Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P18 (poster, presented by OVN).
- 830 L.M.T. Frija, A.J.L. Pombeiro, “Synthesis of original tetrazole-saccharinate ligands – the study of coordination properties towards different metal ions and their application in homogeneous catalytic protocols at a laboratory scale”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P33 (poster, presented by LMTF).
- 831 M. Sutradhar, H.M. Lapa, E.C.B.A. Alegria, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Oxidovanadium(V) Complexes: Ultrasound and photo-assisted oxidation of toluene and benzyl alcohol”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P34 (poster, presented by MS).
- 832 T.R. Barman, M. Sutradhar, M.F.C. Guedes da Silva, A.J.L. Pombeiro, “Oxidovanadium(V) Complexes Catalyzed Peroxidative Oxidations of Aliphatic and Aromatic Hydrocarbons”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P35 (poster, presented by TRB).
- 833 M. Bernardino, S. Beirão, M.M.A. Soliman, M.F.C. Guedes da Silva, A.J.L. Pombeiro, E.C.B.A. Alegria, J.P.C. Tomé, “Free-base and Zn(II) Glycoporphyryns as Efficient Photocatalysts for Sulfur Photo-oxidation”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P56 (poster, presented by MB).
- 834 A. Karmakar, A.J.L. Pombeiro, “Amide Functionalized Coordination Polymers for One-pot Tandem Reactions”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P64 (poster, presented by AK).
- 835 A.R. Rutigliano, V.A. Aliyeva, A.B. Paninho, A.V.M. Nunes, A. Karmakar, E. Gallo, K.T. Mahmudov, A.J.L. Pombeiro, “Halogen bonding in Zn(II) and Cd(II) complexes: catalytic application in the cycloaddition of CO₂ to epoxides”, XXII International Symposium on Homogeneous Catalysis (ISHC), Faculty of Sciences of the University of Lisbon, July 24-29, 2022, P66 (poster, presented by VAA).
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- 838 E. Alegria, G. Marques, M. Soliman, M. Sutradhar, D. Flores, C. Granadeiro, S.S. Balula, J. Pires, A. Pombeiro, “Vanadium(V) complexes supported on porous MIL100(Fe) as catalyst for the peroxidative oxidation and adsorption of VOCs”, 11th International Conference on Catalysis, Chemical Engineering and Technology, Tokyo, Japan, May 16-17, 2022 (oral, presented by EA).
- 839 A.M. Faisca Phillips, H. Suo, M. Sutradhar, L.M.D.R.S. Martins, M.F.G. da Silva, A.J.L. Pombeiro, M. Han, W.-H. Sun, “Synthesis of ultra-high molecular weight polyethylenes catalyzed by vanadium aroylhydrazine- arylolates”, CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P6.

- 840 A.V. Gurbanov, R.M. Gomila, A. Frontera, N.Q. Shikhaliyev, N.R. Zeynalli, K.T. Mahmudov, A.J.L. Pombeiro, "Cooperation of coordination and halogen bonds in capture of Pd(0)", CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P8.
- 841 I.M. Garazade, A.V. Gurbanov, A.V.M. Nunes, K.T. Mahmudov, A.J.L. Pombeiro, "Reaction of *bis*(2,4-*bis*(trichloromethyl)-1,3,5-triazapenta-dienato)-Zn(II) with pyrazole, 4,4'-bipyridine and Cu(acac)₂", CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P22.
- 842 P. Liu, K. Mahmudov, Z. Wang, E. Alegria, A. Pombeiro, "Water-soluble mixed-valence cobalt(II,III) complex as a homogeneous catalyst for the mild peroxidative oxidation of toluene", CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P32.
- 843 V.A. Aliyeva, A.V. Gurbanov, M.F.C. Guedes da Silva, K.T. Mahmudov, A.J.L. Pombeiro, "Effect of substituents on the chalcogen bonding in 5-substituted benzo[*c*][1,2,5]selenadiazoles and their copper(II) complexes", CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P34.
- 844 A. Karmakar, A. Paul, A.J.L. Pombeiro, "Polyaromatic Group Containing Cd(II)-based Coordination Polymers for Adsorption and Catalytic applications", CQE Days 2023, Academy of Sciences of Lisbon, May 25-26, 2023, P36.
- 845 H. Suo, A.M. Faisca Phillips, M. Sutradhar, L.M.D.R.S. Martins, M.F. Guedes da Silva, A.J.L. Pombeiro, M. Han, W-H. Sun, "Synthesis of Ultra-High Molecular Weight Polyethylenes Catalyzed by Vanadium(V) Aroylhydrazine-Arylates", International Symposium on Synthesis and Catalysis (ISySyCat), 2023, Évora, Portugal, Sept. 5-8, 2023, P111, p. 269 (presented by AMFP).
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- 847 N. Reis Conceição, A.G. Mahmoud, M.C. Dietl, I. Caligiuri, F. Rizzolio, S.A.C. Carabineiro, K.T. Mahmudov, M. Rudolph, M.F.C. Guedes da Silva, A.J.L. Pombeiro, S.K. Hashmi, T. Scattolin, "Catalytic and anticancer activity of gold(I) complexes bearing PTA and derived ligands", 14th Inorganic and Bioinorganic Chemistry Conference (IBiCC), Lisbon, Portugal, May 16-18, 2024, P12, p.71 (presented by NRC).
- 848 L.M.T. Frija, A.J.L. Pombeiro, "Design and Synthesis of new Hybrid Azole-type Ligands as Potential Copper Chelators for Cancer Therapeutics", 8th EuChemS Conference on Nitrogen Ligands, Cassis, France, June 3-7, 2024, P9, p.114 (presented by AJLP).
- 849 A. Karmakar, J. Pires, A.J.L. Pombeiro, "Halogen decorated Metal Organic Frameworks for Efficient and Selective CO₂ Capture, Separation and Chemical Fixation with Epoxides under Mild Conditions", 6th CQE Days (Centro de Quimica Estrutural Days), Lisbon, Portugal, June 18-19, 2024, OC4, p.19 (oral presented by AK).
- 850 A. Paul, B. Šljukić, A.J.L. Pombeiro, "Amide Functionalized Coordination Polymers for Oxygen Evolution Reaction", 6th CQE Days (Centro de Quimica Estrutural Days), Lisbon, Portugal, June 18-19, 2024, P74, p.130 (presented by AP).
- 851 O.V. Nesterova, O.E. Bondarenko, D.S. Nesterov, A.J.L. Pombeiro, "Bi-, Tri- and Octanuclear Cores in Copper(II) Complexes with Aminoalcohol Ligands: Synthesis, Crystal Structures and Phenoxazinone Synthase-like Catalytic Activity", 6th CQE

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- 852 N. Reis Conceição, A.N. Bilyachenko, L.S. Shul'pina, K.T. Mahmudov, M.F.C. Guedes da Silva, A.J.L. Pombeiro, "Catalytic activity of polynuclear Cu-phenylsilsesquioxanes in oxidations of cyclohexanone and cyclohexane", XXIII Intern. Symposium on Homogeneous Catalysis (ISHC), Trieste, Italy, July 21-26, 2024, P17 (presented by MFCGS).
- 853 N. Pagliaricci, S. Pagliaricci, R. Pettinari, A. Tombesi, F. Marchetti, A. Karmakar, A.J.L. Pombeiro, "Rh(III) and Ir(III)-Arene Complexes Containing Pyrazole-based Hydrazones Ligands as Suitable Catalysts for Tandem Oxidation-Knoevenagel Condensation Reactions", XXIII Intern. Symposium on Homogeneous Catalysis (ISHC), Trieste, Italy, July 21-26, 2024, P82 (presented by NP).
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