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[@Gamez_nanoBIC](https://twitter.com/Gamez_nanoBIC)

RESEARCHERID

B-3610-2012

Number of publications

258

Book chapters

7

Oral Communications

92

Number of citations (since 1994)

> 14845 (WoS)

ORCID

0000-0003-2602-9525

h-index

60 (WoS)

Patents

2

Average citations per publication

56.2

EDUCATION

- 1992-1995* Ph.D in Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France)
Doctor degree obtained the 26th of June 1995 with distinction and high commendation.
- 1991-1992* Master's degree in Fine Organic Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France); Group of Prof. Jacques Goré.
- 1987-1991* Bachelor's degree in Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France).

LANGUAGES

Spanish, French: mother tongues
English: fluent
Dutch: good level
German: basic

PROFESSIONAL EXPERIENCE

- 2010-Onwards ICREA Research Professor in Bio-inorganic Chemistry at the Universitat de Barcelona (Spain); Leader of the group of **Nanoscience and Bio-Inorganic Chemistry (nanoBIC; www.nanobic.eu)**, which is recognized by the Catalan government (**AGAUR – 2017 SGR 67**)
- Lecturing in inorganic, bio-inorganic chemistry and coordination chemistry.
- 1999-2010 Senior Post-doc leading a Research Team within Prof. Jan Reedijk's group, Leiden University (The Netherlands)
Leading a Research Team of about 10 young investigators (MSc, PhD and Postdoc fellows)
- In 2003, I spent 4 months in the research group of Prof. Roger A. Sheldon at the Technical University of Delft, where I have developed a new (bio-inspired) copper-based catalyst for the selective oxidation of primary alcohols.
- 1997-1998 Research Manager, Université Louis Pasteur Strasbourg (France)
Combinatorial Chemistry. Solid Phase Synthesis of Heterocycles (triazines, pyrimidines) in collaboration with UCB Pharma (Belgium). The supervisor was Dr. Charles Mioskowski
- 1996-1997 European Grant (Marie Curie) for a Post-doctoral Trainee within Prof. Fürstner's group, Max-Planck-Institut für Kohlenforschung; Mülheim an der Ruhr (Germany)
Transition Metal-Catalyzed C-C Bond Formation Mediated by Chlorosilanes: Catalytic Enantioselective Nozaki Reaction.
- 1995-1996 CNRS Research Worker, Institut de Recherches sur la Catalyse; Villeurbanne (France)
Asymmetric Reduction of Ketones using a Cobalt / Borohydride System,
Training of two students in Master of Chemistry. Supervisor was Prof. Marc Lemaire

- (Co)-supervision of more than **15 postdocs**
- (Co)-supervision of **14 PhD students** (8 at the University of Barcelona).
- Supervision of more than **120 undergraduate research students** (BSc, MSc & Erasmus).

EVALUATOR (2010 – 2024) for:

- the European Research Council (ERC, EU)
- the Ministerio de Ciencia, Innovación y Universidades (MICINN, Spain)
- the Agence National de la Recherche (ANR, France)
- the High Council for Evaluation of Research and Higher Education (Hcéres, France)
- the Royal Society of Chemistry (Future Leaders – African Independent Research (FLAIR) Fellowship scheme, UK)
- the Alzheimer's Society (United Against Dementia, UK)
- the Italian Research and University Evaluation Agency (ANVUR, Italy)
- the Foundation for the Polish National Science Centre (NCN, Poland)
- the Foundation for Polish Science (FNP, Poland)
- the Ministerio de Ciencia, Tecnología e Innovación Productiva Fondo para la Investigación Científica y Tecnológica (FONCYT, Argentina)
- the Chilean National Science and Technology Commission (CONICYT, Chile)

- the Barcelona Institute of Science and Technology (BIST, Spain)
- the Institut de Nanociència i Nanotecnologia (IN²UB, Spain)
- Université de recherche Paris Sciences et Lettres (PSL, France)
- Université Toulouse III - Paul Sabatier (France)

THESES SUPERVISED

PhD THESES

- **Guglielmo Spinelli**, *Ruthenium(II)-based Photosensitizers for Photodynamic Therapeutic Applications*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: October **2026**; (4-year FPI grant from the Ministerio de Ciencia e Innovación of Spain).
- **Piedad Herrera Ramírez**, *Multifunctional Ruthenium(II) Photosensitizers for Photochemotherapy (MultiRuPS)*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: October **2025**; (3-year FIDUR grant from the Generalitat de Catalunya).
- **Dana Josa**, *Highly cytotoxic piano-stool ruthenium(II) complexes*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: February **2025**.
- **Guillem Vázquez Bigas**, *Oligopeptides as highly versatile agents against copper-mediated oxidative stress and amyloid- β aggregation*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 22 March **2019**.
- **Rosa Faustino Brissos**, *Coordination, organometallic and supramolecular chemistry approaches to the design of metal-based cytotoxic agents*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 13 April **2018**.
- **Andreu Presa Rodríguez**, *Diarylethene-based Pt(II) molecular switches: A novel approach to photoactivated chemotherapy*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 16 December **2016**.
- **Achareeya Cheansirisomboon**, *Design of Metal-Organic Frameworks and Their Functionals Toward Structural Dynamics with Chromotropism, Exchange and Sorption Properties*, University of Barcelona and Khon Kaen University, 1 July **2014**. Co-director with Prof. Sujittra Youngme.
- **Nanthawat Wannarit**, University of Barcelona and Khon Kaen University, *Magnetic Studies of Spin-crossover Iron(II) and Triply-bridged Dinuclear Copper(II) Compounds*, 3 May **2013**. Co-director with Prof. Sujittra Youngme.
- **Paul de Hoog**, *The design and synthesis of novel heterodinuclear complexes combining a DNA-cleaving agent and a DNA-targeting moiety*, Leiden University, 28 February **2008**. Co-director with Prof. Jan Reedijk.
- **Manuel Quesada Vilar**, *Spin-transition frameworks based on bistetrazole and triazine ligands*, Leiden University, 29 March **2007**. Co-director with Prof. Jan Reedijk.
- **Iryna A. Koval**, *Copper complexes as biomimetic models of catechol oxidase: mechanistic studies*, Leiden University, 2 February **2006**. Co-director with Prof. Jan Reedijk.

Furthermore, I have supervised the one-year training stays at Leiden University of the following PhD students: **Iliaria Gamba (2009)** from the University of Pavia (supervisor: Prof. Luigi Casella); **Ann Almesåker (2009)** from the University of Sydney (supervisor: Prof. Leone Spiccia); **Pongthipun Phuengphai (2008)** from Khon Kaen University (supervisor: Prof. Sujittra Youngme).

MSc THESES

- **Pablo Alonso González**, *Triazine-based polypyridine Ru(II) complexes as potential photodynamic therapy agents*, University of Barcelona, Department of Inorganic and Organic Chemistry, 7 July **2022**.
- **Adrián Álvarez Coscojuela**, *Synthesis of potential anticancer ruthenium(II) complexes with photochemical properties*, University of Barcelona, Department of Inorganic and Organic Chemistry, 15 July **2021**.
- **Marcos Álvarez Crespo**, *A study about methyl 4-[(2-hydroxyethyl)(pyridine-2-yl)aminomethyl]benzoate as precursor of potentially thermolabile carbamates and carbonates*, University of Barcelona, Department of Inorganic and Organic Chemistry, 15 June **2021**.
- **Ariadna Roca Moreno**, *Synthesis of superparamagnetic iron oxide magnetic nanocarriers with a thermolabile surfactant for drug delivery*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 November **2020**.
- **Sara Cañizares Lachowicz**, *Development of an ultrafast assay for early diagnosis of Parkinson's disease*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 November **2020**.
- **Aida López Espinar**, *Methyl 4-[N-(2-hydroxyethyl)-N-(pyridin-2-yl) aminomethyl]benzoate as a thermolabile ligand: A preliminary study*, University of Barcelona, Department of Inorganic and Organic Chemistry, 3 September **2020**.

- **Victor Alvarado Iglesia**, *Nanoparticle-photosensitizer conjugates for photodynamic therapy of cancer: an example using gold nanoparticle-appended iridium(III) complex*, University of Barcelona, Department of Inorganic and Organic Chemistry, 14 October 2020.
- **Jan Romano De Gea**, *A nano approach to lessen amyloid- β toxicity and copper-promoted reactive oxygen species in Alzheimer's disease*, University of Barcelona, Department of Inorganic and Organic Chemistry, 1 July 2019.
- **Laia Ràfols Parellada**, *New ruthenium chemotherapeutics: en route towards nanomolar cytotoxicities*, University of Barcelona, Department of Inorganic and Organic Chemistry, 2 July 2019.
- **Jokin Pinatxo Olaciregui**, *Synthesis of nanocarrier ligands for drug administration by thermal release*, University of Barcelona, Department of Inorganic and Organic Chemistry, 3 July 2019.
- **Sofia Patricia Moreno Kübel**, *Functionalization of metal nanoparticles to develop diagnostic tools*, University of Barcelona, Department of Inorganic and Organic Chemistry, 2 July 2019.
- **Francesca Canyelles i Font**, *Engineering the surface of gold nanoparticles to reduce the aggregation of beta-amyloid for Alzheimer's disease*, Institut de Nanociència i Nanotecnologia UB (IN²UB), 17 July 2018.
- **Neus Sunyer i Pons**, *Síntesi de Compostos de Pal·ladi(II) i Plati(II) i l'Estudi de la seva Interacció amb l'ADN*, University of Barcelona, Department of Inorganic and Organic Chemistry, 6 July 2018.
- **Marta Delgà Fernández**, *Biologically-active Ir(III) complexes transported by gold nanoparticles: Impact on the antiproliferative activity*, University of Barcelona, Department of Inorganic and Organic Chemistry, 6 July 2018.
- **Jakub Kokinda**, *Synthesis of dityrosine, a potential biomarker of oxidative-stress induced protein damage*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 July 2017.
- **Laia Terol Ordaz**, *Quelació del Cu(II) i Zn(II) amb pèptids fluorescents per a la seva aplicació en el tractament de la malaltia de l'Alzheimer*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Jordi Molas Saborit**, *Síntesi i caracterització de compostos de Pd(II) i Pt(II) amb bases de Schiff i estudi de la seva interacció amb l'ADN*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Alberto Vázquez Chica**, *Estudio de interacciones con ADN de compuestos helicoidales de hierro(III)*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Guillem Vázquez Bigas**, *Metal-based DNA-interacting agents from photoswitching ligands*, University of Barcelona, Department of Inorganic Chemistry, 10 July 2014.
- **Axel Mauri Panyella**, *Synthesis and characterization of new Schiff bases and their coordination compounds of Pd(II), Pt(II) and Cu(II)*, University of Barcelona, Department of Inorganic Chemistry, 10 July 2014.
- **Ester Torrents Barrera**, *Nuevos complejos de CuII y ZnII con ligandos inspirados en el Hpyrimol e interacción con el ADN*, University of Barcelona, Department of Inorganic Chemistry, 6 February 2013.
- **Cristina Cuscó Marigó**, *Dual role of Cu⁺² Ions on the Aggregation and Degradation of Soluble A β Oligomers and Protofibrils*, University of Barcelona, Department of Inorganic Chemistry, 19 July 2012.
- **Rosa Faustino Brissos**, *Copper compounds (Schiff bases) as DNA-Interacting Agents*, University of Lisbon, 19 December 2011.

OVERVIEW OF MEMBERSHIPS AND HONORS

- **Fellow of the Royal Society of Chemistry (2016)**
- **2016** top contributing researcher to peer review for chemistry across all the world's journals; **Sentinels of Science Award**
- **1996** Sigma-Aldrich-Fluka French Chemical Society prize for the Ph.D results
- 18 months Marie Curie postdoc fellowship (European grant)
- Referee for several major journals including *J. Am. Chem. Soc.*, *J. Org. Chem.*, *Inorg. Chem.*, *Cryst. Growth Des.*, *Chem. Eur. J.*, *Chem. Sci.*, *Angewandte Chem. Commun.* and *RSC Advances* and so on.
- Recognized as an excellent Reviewer by the *European Journal of Inorganic Chemistry* (year 2010)
- Member of the Royal Spanish Society of Chemistry (Real Sociedad Española de Química - RSEQ)
- Member of the Royal Society of Chemistry (RSC)
- Member of the Society of Biological Inorganic Chemistry (SBIC)
- Member of the Advisory Board of *Inorganic Chemistry Frontiers*, Royal Society of Chemistry; IF = 5.106
- Associate Editor of *RSC Advances* (July 2015 – June 2017); IF = 2.936
- President founder of the Association **Science Squared** (www.sci2.org)
- Founder and Editor-in-chief of **Chemistry Squared** (www.chem2.org), the Chemistry Journal of Science²
- **President of the Spanish Bioinorganic Chemical Society** (Asociación Española de Bioinorgánica – AEBIN – www.aebin.es) since July 2022
- Issue Editor for the *Journal of Biological Inorganic Chemistry* (February 2024): Special issue on “Collaborations in the Spanish-Speaking Bioinorganic Community (vol. 29, issue 1)

NATIONAL AND INTERNATIONALLY FUNDED PROJECTS (as PI)

Various research projects have been or are currently carried out as part of national and international networks, in which I have been or still am directly involved:

- MAGMANet, *Molecular Approach to Nanomagnets and Multifunctional Materials*. A network of over 20 laboratories for the design and preparation metal clusters with potential magnetic applications (single-molecule magnets, spin-transition materials and so on)
- ECOX (New iron, manganese and copper complexes for applications in oxidation catalysis), *Dutch Economy, Ecology, Technology (EET) programme, a joint programme of the Ministry of Economic Affairs, the Ministry of Education, Culture and Science, and the Ministry of Housing, Spatial Planning and the Environment*. A project involving 2 universities and 3 industries to investigate new oxidation catalysts for the preparation of fine chemicals (alkane and alkene oxidations) or for bleaching purposes.
- COST Action D21, *Molecular oxygen activation at biological and biomimetic copper centres*. Exchange visits between European labs.
- PI of the NRSC-C free budget projects 2005, *Bio-inspired extremophilic tungsten oxo compounds as oxygen-transfer catalysts (funding for 1 pdoc)*. This two-year project has led to the design of new triazine-based W catalysts for the epoxidation of alkenes.
- NWO Van Gogh Programma, *Collaboration between Leiden University/CBAC and the University of Grenoble, LEDSS (France)*; Investigations on bio-inspired copper catalysts for the oxidations of alcohols and the activation of C–H bonds. (Exchange visits to/from Grenoble).
- COST Action D35, *From Molecules to Molecular Devices: Control of Electronic, Photonic, Magnetic and Spintronic Behaviour*. Exchange visits between labs across Europe. End date: January 2011.
- COST action CM1003, *Biological oxidation reactions – mechanisms and design of new catalysts*; Start of Action: May 12th, 2011. End of Action: 11/05/2015 – Management Committee Member
- Research project entitled “Magnetic Studies of Spin-crossover Iron(II) and Triply-bridged Dinuclear Copper(II) Compounds” financed by the Thailand Research Funds (TRF; Royal Golden Jubilee Ph.D programme; contract **PHD/0234/2550**); 31/10/2011 – 30/10/2012
- Organization of Vth International Conference on Molecular Materials: grant **CTQ2011-13459-E** from the Ministerio de Economía y Competitividad, Spain
- PI of the research project entitled “Applications of the oxidative properties of bio-inspired copper complexes: oxidation catalysis, anti-cancer drugs and Alzheimer's disease (AD)” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2011-27929-C02-01**); 01/01/2012 – 30/06/2015
- COST action CM1105, *Functional metal complexes that bind to biomolecules*; Start of Action: May 8th, 2012. End of Action: May 7th, 2016 – Management Committee Substitute
- Research project entitled “crystal designs and functional properties of metal-organic frameworks” financed by the Thailand Research Funds (TRF; Royal Golden Jubilee Ph.D programme; contract **PHD/0328/2551**); 15/10/2012 – 14/10/2013
- GDRI – HC3A (Groupement de Recherche International of CNRS-France), *Hetero-elements and Coordination Chemistry: from Concepts to Applications*; Start of Action: January 1st, 2015. End of Action: December 31st, 2018 – Workgroup Leader
- PI of the research project entitled “Innovative approaches to tackle Alzheimer's disease and cancer, two major scourges of the XXI century” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2014-55293-P**); 01/01/2015 – 31/12/2017
- Coordinator of the Spanish network of excellence “MetDrugs”; “Metals in Therapy and Diagnosis” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2015-70371-REDT**); 27/11/2015 – 26/11/2017
- PI of the research project entitled “Multitarget compounds with therapeutic potential against Alzheimer disease: Design and in vitro studies (CHELALZ)” financed by Horizon 2020 (Project **656820**); 1/1/2016 – 31/03/2018
- Coordinator of the research project entitled “Tailoring gold nanoparticles as agents against the aggregation and the extracellular accumulation of amyloid peptides” financed by the Institute of Nanoscience and Nanotechnology (IN2UB) (Project **ART-2016**); 15/9/2016 – 14/9/2017
- PI of the research project entitled “Nanocarriers for drug delivery through thermal release” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2017-88446-R**); 01/01/2018 – 30/06/2021
- GDRI – HC3A (Groupement de Recherche International of CNRS-France), *Hetero-elements and Coordination Chemistry: from Concepts to Applications*; Start of Action: January 1st, 2019. End of Action: December 31st, 2023 – Workgroup Leader; **WG4: Bio(in)organic Chemistry and Health** ([webpage](#)) – financed by the CNRS and the University of Barcelona

- Workgroup Leader within the Spanish network MultiMetDrugs “Multifunctional Metallodrugs in Diagnosis and Therapy” financed by the Ministerio de Economía y Competitividad of Spain (Project **RED2018-102471-T**); 01/01/2020 – 31/12/2021
- PI of the research project entitled “Multifunctional ruthenium(II) photosensitizers for photochemotherapy (MultiRuPSs)” financed by the Ministerio de Ciencia e Innovación of Spain (Project **PID2020-115537RB-I00**); 01/09/2021 – 31/08/2025
- PI of the research project entitled “Nanoassemblies for magnetic delivery and release of cancerostatic agents” financed by the Ministerio de Ciencia e Innovación of Spain (Project **PCI2021-122027-2B**); 01/05/2022 – 01/05/2024

CURRENT COLLABORATIONS

Fruitful collaborations are ongoing with the following research groups, which in several cases have already resulted in several joint publications:

- Prof. Josep Rizo (Virginia Lazenby O'Hara Chair in Biochemistry); [website](#)
- Prof. Brian J. Frost (University of Nevada, Reno); [website](#)
- Dr Olga Iranzo (Institut des Sciences Moléculaires de Marseille); [website](#)
- Dr Seiji Komeda (Suzuka University of Medical Science); [website](#)
- Prof. Mitsuo Umetsu (Tohoku University); [website](#)
- Prof. José Ruiz (Universidad de Murcia); [website](#)
- Prof. Ricardo Pérez-Tomás (Cancer Cell Biology Group – Bellvitge); [website](#)
- Dr Adoración Gómez-Quiroga (Universidad Autónoma de Madrid); [website](#)
- Dr Julia Lorenzo (Institut de Biotecnologia i de Biomedicina, Barcelona); [website](#)
- Prof. José Antonio Del Río Fernández (Institute for Bioengineering of Catalonia); [website](#)
- Prof. Xavier Barril (Universitat de Barcelona); [website](#)
- Prof. Núria Aliaga-Alcalde (Intitut de Ciència de Materials de Barcelona); [website](#)
- Dr Arnald Grabulosa ((Universitat de Barcelona); [website](#)

RESEARCH STAYS

1. *Visiting professor* at Sofia University (Bulgaria), from May 17 to May 23, **2019**.

PUBLICATIONS (from 1993-September 2010)

1. *Thioethers - Potential Ligands For Asymmetric Catalysis*; Fache, F.; Gamez, P.; Nour, F.; Lemaire, M., *J. Mol. Catal.* **1993**, *85*, 131-141.
2. *Enantioselective Catalytic Reduction Of Ketones Using C₂-Symmetrical Diamines As Chiral Ligands*; Gamez, P.; Fache, F.; Mangeney, P.; Lemaire, M., *Tetrahedron Lett.* **1993**, *34*, 6897-6898.
3. *Asymmetric Catalytic Reduction Of Prochiral Ketones With Supported Metal-Complexes*; Gamez, P.; Fache, F.; Lemaire, M., *Bull. Soc. Chim. Fr.* **1994**, *131*, 600-602.
4. *C₂ Diamine, Pseudo-C₂ Poly(Amide) And Poly(Urea) As Chiral Inductors In Asymmetric Catalysis*; Gamez, P.; Dunjic, B.; Fache, F.; Lemaire, M., *J. Chem. Soc., Chem. Commun.* **1994**, 1417-1418.
5. *Molecular Imprinting Effect In The Synthesis Of Immobilized Rhodium Complex Catalyst (Ir Cat)*; Gamez, P.; Dunjic, B.; Pintel, C.; Lemaire, M., *Tetrahedron Lett.* **1995**, *36*, 8779-8782.
6. *Homogeneous And Heterogeneous Pd-Catalyzed Enantioselective Alkylation With C₂-Symmetrical Chiral Nitrogen Ligands*; Gamez, P.; Dunjic, B.; Fache, F.; Lemaire, M., *Tetrahedron: Asymmetry* **1995**, *6*, 1109-1116.
7. *Asymmetric Catalytic Reduction Of Carbonyl-Compounds Using C₂-Symmetrical Diamines As Chiral Ligands*; Gamez, P.; Fache, F.; Lemaire, M., *Tetrahedron: Asymmetry* **1995**, *6*, 705-718.
8. *Diureas as ligands in asymmetric reduction of ketones*; Gamez, P.; Dunjic, B.; Lemaire, M., *J. Org. Chem.* **1996**, *61*, 5196-5197.

9. *Synthesis and characterization of a new chiral polyurea-based catalyst*; Dunjic, B.; Gamez, P.; Fache, F.; Lemaire, M., *J. Appl. Polym. Sci.* **1996**, *59*, 1255-1262.
10. *Recent advances in homogeneous and heterogeneous asymmetric catalysis with nitrogen-containing ligands*; Fache, E.; Dunjic, B.; Gamez, P.; Lemaire, M., *Top. Catal.* **1997**, *4*, 201-209.
11. Locatelli, F.; Gamez, P.; Lemaire, M., *Molecular imprinting polymerised catalytic complexes in asymmetric catalysis*. In *Heterogeneous Catalysis And Fine Chemicals IV*, 1997; *Vol. 108*, pp 517-522.
12. *Chiral thiourea as ligand for the asymmetric reduction of prochiral ketones*; Touchard, F.; Gamez, P.; Fache, F.; Lemaire, M., *Tetrahedron Lett.* **1997**, *38*, 2275-2278.
13. *Synthesis of cross-conjugated dienic alcohols*; Gamez, P.; Ariento, C.; Gore, J.; Cazes, B., *Tetrahedron* **1998**, *54*, 14825-14834.
14. *Stereoselectivity of the carbopalladation-functionalization of allenic compounds: A mechanistic study*; Gamez, P.; Ariento, C.; Gore, J.; Cazes, B., *Tetrahedron* **1998**, *54*, 14835-14844.
15. *Molecular imprinting of polymerised catalytic complexes in asymmetric catalysis*; Locatelli, F.; Gamez, P.; Lemaire, M., *J. Mol. Catal. A-Chem.* **1998**, *135*, 89-98.
16. *Homogeneous bio-inspired copper-catalyzed oxidation reactions*; Gamez, P.; Aubel, P. G.; Driessen, W. L.; Reedijk, J., *Chem. Soc. Rev.* **2001**, *30*, 376-385.
17. *Synthesis and catalytic activities of copper(II) complexes derived from a tridentate pyrazole-containing ligand. X-ray crystal structure of [Cu₂(*mu*-dpzhp-O,N,N')₂][Cu(MeOH)Cl₃]₂*; Gamez, P.; von Harras, J.; Roubeau, O.; Driessen, W. L.; Reedijk, J., *Inorg. Chim. Acta* **2001**, *324*, 27-34.
18. *A unique asymmetric [Mn₃(II)] triple-stranded helicate from a symmetric pentadentate ligand*; Aromi, G.; Berzal, P. C.; Gamez, P.; Roubeau, O.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Angew. Chem.-Int. Edit.* **2001**, *40*, 3444-3447.
19. *Selective macrocyclic copper complexes as catalysts for the polymerization of 2,6-dimethylphenol*; Gamez, P.; Steensma, R.; Driessen, W. L.; Reedijk, J., *J. Inorg. Biochem.* **2001**, *86*, 229-229.
20. *Small heterocyclic ligands improve the copper-catalyzed oxidative coupling of 2,6-dimethylphenol to poly(2,6-dimethyl-1,4-phenylene ether)*; Gamez, P.; Simons, C.; Aromi, G.; Driessen, W. L.; Challa, G.; Reedijk, J., *Appl. Catal. A-Gen.* **2001**, *214*, 187-192.
21. *A spectacular increase in the polymerisation rate of 2,6-dimethylphenol induced by acetonitrile*; Gamez, P.; Simons, C.; Steensma, R.; Driessen, W. L.; Challa, G.; Reedijk, J., *Eur. Polym. J.* **2001**, *37*, 1293-1296.
22. *A simple and selective biphasic catalytic system for the oxidative polymerization of 2,6-dimethylphenol*; Gamez, P.; van Dijk, J.; Driessen, W. L.; Challa, G.; Reedijk, J., *Adv. Synth. Catal.* **2002**, *344*, 890-893.
23. *New polydentate and polynucleating N-donor ligands from amines and 2,4,6-trichloro-1,3,5-triazine*; de Hoog, P.; Gamez, P.; Driessen, W. L.; Reedijk, J., *Tetrahedron Lett.* **2002**, *43*, 6783-6786.
24. *A solvent-controlled switch of manganese complex assemblies with a beta-diketonate-based ligand*; Aromi, G.; Gamez, P.; Roubeau, O.; Berzal, P. C.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Inorg. Chem.* **2002**, *41*, 3673-3683.
25. *An unprecedented 1D ladder coordination polymer based on a pentanuclear copper(II) 2,4,6-tris(dipyridin-2-ylamino)-1,3,5-triazine building block*; Gamez, P.; de Hoog, P.; Roubeau, O.; Lutz, M.; Driessen, W. L.; Spek, A. L.; Reedijk, J., *Chem. Commun.* **2002**, 1488-1489.
26. *Copper(II) compounds of the planar-tridentate ligand 2,6-bis(pyrazol-3-yl)pyridine*; Gamez, P.; Steensma, R. H.; Driessen, W. L.; Reedijk, J., *Inorg. Chim. Acta* **2002**, *333*, 51-56.
27. *Bis[*mu*-2-hydroxy-5-methyl-1,3-bis(3-oxido-kappa O-3-phenylprop-2-enonyl-kappa O)benzene]bis[(N,N-dimethyl-formamide-O)copper(II)] bis(N,N-dimethylformamide) solvate*; Kooijman, H.; Spek, A. L.; Aromi, G.; Gamez, P.; Berzal, P. C.; Driessen, W. L.; Reedijk, J., *Acta Crystallogr. Sect. E.-Struct. Rep. Online* **2002**, *58*, m223-m225.
28. *The first case of local cis versus trans coordination as the controlling factor for the overall structure in dinuclear assemblies*; Aromi, G.; Gamez, P.; Roubeau, O.; Carrero-Berzal, P.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2002**, 1046-1048.

29. *Ligand-templated four-metal chains dimerize into a unique [Cu₈(II)] cluster*; Aromi, G.; Gamez, P.; Roubeau, O.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Angew. Chem.-Int. Edit.* **2002**, *41*, 1168-1170.
30. *Selective oxidation of 2,6-dimethylphenol to polyphenylene ether using copper coordination compounds*; Reedijk, J.; Gamez, P., *Abstr. Pap. Am. Chem. Soc.* **2003**, *226*, U397-U397.
31. *Structure and magnetism of a new dodecanuclear Cu^{II} complex with acetato and imidazolato bridges, formed by oxidation of the chelating ligand 1,1,7,7-tetrakis(imidazol-2-yl)-2,6-diazheptane*; Song, Y. F.; Gamez, P.; Stassen, A. F.; Lutz, M.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2003**, 4073-4077.
32. *Copper(II)-catalysed aerobic oxidation of primary alcohols to aldehydes*; Gamez, P.; Arends, I.; Reedijk, J.; Sheldon, R. A., *Chem. Commun.* **2003**, 2414-2415.
33. *Structural and magnetic characterization of a linear trinuclear copper complex formed through ligand sharing*; Song, Y. F.; Gamez, P.; Roubeau, O.; Lutz, M.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2003**, 2924-2928.
34. *Coordination compounds from 1,3,5-triazine-derived multidirectional ligands: application in oxidation catalysis*; Gamez, P.; de Hoog, P.; Lutz, M.; Spek, A. L.; Reedijk, J., *Inorg. Chim. Acta* **2003**, *351*, 319-325.
35. *Zinc-catalyzed aminolysis of epoxides*; Pachon, L. D.; Gamez, P.; van Brussel, J. J. M.; Reedijk, J., *Tetrahedron Lett.* **2003**, *44*, 6025-6027.
36. *The dicopper(II) complex of the novel asymmetric dinucleating ligand Hpy₃asym as a structural model of catechol oxidase*; Koval, I. A.; Pursche, D.; Stassen, A. F.; Gamez, P.; Krebs, B.; Reedijk, J., *Eur. J. Inorg. Chem.* **2003**, 1669-1674.
37. *Two new dinuclear sterically crowded Cu-II complexes as catalyst precursors for the oxidative coupling of 2,6-dimethylphenol*; Aromi, G.; Gamez, P.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2003**, 1394-1400.
38. *Two new bis-beta-diketones as ligands for novel systems in supramolecular chemistry*; Aromi, G.; Gamez, P.; Berzal, P. C.; Driessen, W. L.; Reedijk, J., *Synth. Commun.* **2003**, *33*, 11-18.
39. *Century-known copper salt Cu(OAc)(OMe) proven to be a unique magnetic lattice composed of tetranuclear copper(II) species with a rare binding mode of the acetate anion*; Koval, I. A.; Gamez, P.; Roubeau, O.; Driessen, W. L.; Lutz, M.; Spek, A. L.; Reedijk, J., *Inorg. Chem.* **2003**, *42*, 868-872.
40. *The new multi-directional polydentate ligand 2,4,6-(di-pyridin-2-yl-amino)-[1,3,5]triazine (dpyatri_z) can discriminate between Zn(II) and Co(II) nitrate*; Gamez, P.; de Hoog, P.; Lutz, M.; Driessen, W. L.; Spek, A. L.; Reedijk, J., *Polyhedron* **2003**, *22*, 205-210.
41. *Unprecedented change of the Jahn-Teller axis in a centrosymmetric Cu-II complex induced by lattice water molecules - Crystal and molecular structures of bis[bis(3,5-dimethylpyrazol-1-yl)acetato]copper(II) and its dihydrate*; Kozlevcar, B.; Gamez, P.; de Gelder, R.; Driessen, W. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2003**, 47-50.
42. *Novel zigzag 1D coordination polymer from copper(II) chloride and N,N'-{2,4-di[(di-pyridin-2-yl)amine]-1,3,5-triazine} ethylenediamine exhibiting ferromagnetic interactions*; de Hoog, P.; Gamez, P.; Roubeau, O.; Lutz, M.; Driessen, W. L.; Spek, A. L.; Reedijk, J., *New J. Chem.* **2003**, *27*, 18-21.
43. *Dinuclear Cu-II complexes with a new phenol-based ligand bearing pyridine and thiophene substituents: Synthesis, characterization and interaction with catechol substrates*; Koval, I. A.; Huisman, M.; Stassen, A. F.; Gamez, P.; Roubeau, O.; Belle, C.; Pierre, J. L.; Saint-Aman, E.; Luken, M.; Krebs, B.; Lutz, M.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2004**, 4036-4045.
44. *Asymmetric chlorine-bridged zig-zag Cu(II) chains linked together in 2D sheets by strong Watson-Crick type intermolecular double hydrogen bonds of bis(pyrimidin-2-yl)amine ligands: synthesis, structure and antiferromagnetism*; van Albada, G. A.; Roubeau, O.; Gamez, P.; Kooijman, H.; Spek, A. L.; Reedijk, J., *Inorg. Chim. Acta* **2004**, *357*, 4522-4527.
45. *A new trinuclear linear copper(II) complex: Unusual crystal structure with semi-coordinated thiophene moieties and weak antiferromagnetic coupling through the bridging imidazolato rings*; Song, Y. F.; Massera, C.; Quesada, M.; Koval, I. A.; Gamez, P.; Lanfredi, A. M. M.; Reedijk, J., *Eur. J. Inorg. Chem.* **2004**, 4566-4571.
46. *Aggregation of [Cu₄(II)] building blocks into [Cu₈(II)] clusters or a [Cu₄(II)](infinity) chain through subtle chemical control*; Aromi, G.; Ribas, J.; Gamez, P.; Roubeau, O.; Kooijman, H.; Spek, A. L.; Teat, S.; MacLean, E.; Stoeckli-Evans, H.; Reedijk, J., *Chem.-Eur. J.* **2004**, *10*, 6476-6488.

47. *Bio-mimicking galactose oxidase and hemocyanin, two dioxygen-processing copper proteins*; Gamez, P.; Koval, I. A.; Reedijk, J., *Dalton Trans.* **2004**, 4079-4088.
48. *An aromatic anion receptor: Anion- π interactions do exist*; de Hoog, P.; Gamez, P.; Mutikainen, H.; Turpeinen, U.; Reedijk, J., *Angew. Chem.-Int. Edit.* **2004**, *43*, 5815-5817.
49. *Complexes of a novel multinucleating poly-beta-diketonate ligand*; Aromi, G.; Boldron, C.; Gamez, P.; Roubeau, O.; Kooijman, H.; Spek, A. L.; Stoekli-Evans, H.; Ribas, J.; Reedijk, J., *Dalton Trans.* **2004**, 3586-3592.
50. *An unusual open cubane structure in a $\mu(1,1)$ -azido- and alkoxo-bridged tetranuclear copper(II) complex, $[Cu_4L_2(\mu(1,1)-N_3)_2] \cdot 5H_2O$ ($H_3L = N,N'$ -(2-hydroxypropane-1,3-diy)bis-salicylideneimine)*; Song, Y. F.; Massera, C.; Roubeau, O.; Gamez, P.; Lanfredi, A. M. M.; Reedijk, J., *Inorg. Chem.* **2004**, *43*, 6842-6847.
51. *New N,O-containing ligands for the biomimetic copper-catalyzed polymerization of 2,6-dimethylphenol*; Guieu, S. J. A.; Lanfredi, A. M. M.; Massera, C.; Pachon, L. D.; Gamez, P.; Reedijk, J., *Catal. Today* **2004**, *96*, 259-264.
52. *Intramolecular oxidation of the ligand 4-methyl-2-N-(2-pyridylmethyl)aminophenol (Hpyramol) upon coordination with iron(II) chloride and manganese(II) perchlorate*; Pachon, L. D.; Golobic, A.; Kozlevcar, B.; Gamez, P.; Kooijman, H.; Spek, A. L.; Reedijk, J., *Inorg. Chim. Acta* **2004**, *357*, 3697-3702.
53. *Solution-stable trinuclear zinc(II) cluster from 4-methyl-2-N-(2-pyridylmethylene)aminophenol (HPyrimol)*; de Hoog, P.; Pachon, L. D.; Gamez, P.; Lutz, M.; Spek, A. L.; Reedijk, J., *Dalton Trans.* **2004**, 2614-2615.
54. *Stabilization of a copper(II) complex by hydrogen bonds between the axial tetrafluoroborate anion and the ammonium group from the coordinated cationic ligand bis(imidazol-2-yl)methyl(isopropyl) ammonium*; Song, Y. F.; Massera, C.; Gamez, P.; Lanfredi, A. M. M.; Reedijk, J., *Eur. J. Inorg. Chem.* **2004**, 3025-3029.
55. *Room temperature aerobic copper-catalysed selective oxidation of primary alcohols to aldehydes*; Gamez, P.; Arends, I.; Sheldon, R. A.; Reedijk, J., *Adv. Synth. Catal.* **2004**, *346*, 805-811.
56. *Solution studies and structure of a dinuclear-based double-stranded helicate of $[Cu_2(p\text{-xyal})_2]$ ($H_2\text{-}p\text{-xyal} = \text{bis}(\text{hydroxylbenzyl})\text{diaminoxylene}$)*; Song, Y. F.; Koval, I. A.; Gamez, P.; van Albada, G. A.; Mutikainen, I.; Turpeinen, U.; Reedijk, J., *Polyhedron* **2004**, *23*, 1769-1775.
57. *Unusual Cu^{II} and Mn^{II} complexes of phenol-based ligands containing amine, pyridine and formyl functions: Unexpected structural features and solution studies*; Koval, I. A.; Huisman, M.; Stassen, A. F.; Gamez, P.; Lutz, M.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2004**, 591-600.
58. *Bis[bis(pyrimidin-2-yl- κ N)amine]-(dicyanamido- κ N¹)-(trifluoromethanesulfonato- κ O)copper(II) ethanol hemisolvate forms a hydrogen-bonded chain*; Kooijman, H.; Spek, A. L.; van Albada, G. A.; Gamez, P.; Reedijk, J., *Acta Crystallogr. Sect. C-Cryst. Struct. Commun.* **2004**, *60*, M51-M54.
59. *Hexanuclear copper(II) complex of a novel poly(pyridine) ligand exhibiting unique long distance ferromagnetic interactions through a nitrate-O,O' bridge*; de Hoog, P.; Gamez, P.; Luken, M.; Roubeau, O.; Krebs, B.; Reedijk, J., *Inorg. Chim. Acta* **2004**, *357*, 213-218.
60. *New dinuclear Co(II) and Mn(II) complexes of the phenol-based compartmental ligand containing formyl and amine functions: structural, spectroscopic and magnetic properties*; Koval, I. A.; Huisman, M.; Stassen, A. F.; Gamez, P.; Lutz, M.; Spek, A. L.; Pursche, D.; Krebs, B.; Reedijk, J., *Inorg. Chim. Acta* **2004**, *357*, 294-300.
61. *Century-known copper salt $Cu(OAc)(OMe)$ proven to be a unique magnetic lattice composed of tetranuclear copper(II) species with a rare binding mode of the acetate anion (vol 42, pg 868, 2003)*; Koval, I. A.; Gamez, P.; Roubeau, O.; Driessen, W. L.; Lutz, M.; Spek, A. L.; Reedijk, J., *Inorg. Chem.* **2004**, *43*, 392-392.
62. *Selective oxidative para C-C dimerization of 2,6-dimethylphenol*; Boldron, C.; Aromi, G.; Challa, G.; Gamez, P.; Reedijk, J., *Chem. Comm.* **2005**, 5808-5810.
63. *1,3,5-Triazine-Based Synthons in Supramolecular Chemistry*; Gamez, P.; Reedijk, J., *Eur. J. Inorg. Chem.* **2006**, 29-42.
64. *Catecholase activity of a μ -hydroxodicopper(II) macrocyclic complex: structures, intermediates and reaction mechanism*; Koval, I. A.; Belle, C.; Selmezi, K.; Philouze, C.; Saint-Aman, E.; Schuitema, A. M.; Gamez, P.; Pierre, J. L.; Reedijk, J., *J. Biol. Inorg. Chem.* **2005**, *10*, 739-750.

65. *Moisture-triggered 1,3,5-triazine-based cull molecular switch: A combined X-ray single-crystal and powder diffraction study*; Casellas, N.; Gamez, P.; Reedijk, J.; Mutikainen, I.; Turpeinen, U.; Masciocchi, N.; Galli, S.; Sironi, A., *Inorg. Chem.* **2005**, *44*, 7918-7924.
66. *Selective copper(II)-mediated oxidative coupling of a nucleophilic reagent to the para-methyl group of 2,4,6-trimethylphenol*; Boldron, C.; Ozalp-Yaman, S.; Gamez, P.; Tooke, D. M.; Spek, A. L.; Reedijk, J., *Dalton Trans.* **2005**, 3535-3541.
67. *An unprecedented μ_4 -SiF₆²⁻-bridged supramolecular polymer consisting of bis- μ -F-bridged dinuclear Cu(II) dications*; Casellas, H.; Pevec, A.; Kozlevcar, B.; Gamez, P.; Reedijk, J., *Polyhedron* **2005**, *24*, 1549-1554.
68. *N-donor ligand coordination polymers of Cu^{II}, Zn^{II}, and Cd^{II} obtained at elevated temperature and pressure*; Casellas, H.; Massera, C.; Gamez, P.; Lanfredi, A. M. M.; Reedijk, J., *Eur. J. Inorg. Chem.* **2005**, 2902-2908.
69. *Thiophene-containing dinucleating ligands for the copper-catalyzed oxidative coupling of 2,6-dimethylphenol*; Huisman, M.; Koval, I. A.; Gamez, P.; Reedijk, J., *Inorg. Chim. Acta* **2006**, 1786-1794.
70. *Proton NMR spectroscopy and magnetic properties of a solution-stable dicopper(II) complex bearing a single μ -hydroxo bridge*; Koval, I. A.; van der Schilden, K.; Schuitema, A. M.; Gamez, P.; Belle, C.; Pierre, J. L.; Luken, M.; Krebs, B.; Roubeau, O.; Reedijk, J., *Inorg. Chem.* **2005**, *44*, 4372-4382.
71. *Copper-mediated selective oxidation of a C-H bond*; Boldron, C.; Gamez, P.; Tooke, D. M.; Spek, A. L.; Reedijk, J., *Angew. Chem.-Int. Edit.* **2005**, *44*, 3585-3587.
72. *Bis(2,2'-dipyridylamine)dimethanolcopper(II) hexafluorosilicate*; Casellas, H.; Pevec, A.; Kozlevcar, B.; Gamez, P.; Reedijk, J., *Acta Crystallogr. Sect. E-Struct. Rep. Online* **2005**, *61*, M1120-M1122.
73. *Catechol Oxidation with Dinuclear Copper Complexes of Aliphatic Tripodal Amino Alcohols*; Jocher, C.; Pape, T.; Seidel, W. W.; Gamez, P.; Reedijk, J.; Ekkehardt Hahn, F., *Eur. J. Inorg. Chem* **2005**, 4914-4923.
74. *A tridentate bis(pyrazolyl) ligand binds to Cu(II), without using the pyrazole group: a very unusual coordination mode of the ligand Hbdmpb, 1,3-bis(3,5-dimethylpyrazol-1-yl)-2-butanoic acid*; Kozlevcar, B.; Golobic, A.; Gamez, P.; Koval, I. A.; Driessen, W. L.; Reedijk, J., *Inorg. Chim. Acta* **2005**, *358*, 1135-1140.
75. *Crystal packing driven by metal-ligand interactions, hydrogen bonds, π - π stacking and anion- π stacking*; Gamez, P.; van Albada, G. A.; Mutikainen, I.; Turpeinen, U.; Reedijk, J., *Inorg. Chim. Acta* **2005**, *358*, 1975-1980.
76. *A Na₂WO₄/H₂WO₄-Based Highly Efficient Biphasic Catalyst towards Alkene Epoxidation, using Dihydrogen Peroxide as Oxidant*; Maheswari, P. U.; de Hoog, P.; Hage, R.; Gamez, P.; Reedijk, J., *Adv. Synth. Catal.* **2005**, *347*, 1759-1764.
77. *The Square-Planar Cytotoxic [Cu^{II}(pyrimol)Cl] Complex Acts as an Efficient DNA Cleaver Without Reductant*; Maheswari, P. U.; Roy, S.; den Dulk, H.; Barends, S.; van Wezel, G.; Kozlevcar, B.; Gamez, P.; Reedijk, J., *J. Am. Chem. Soc.* **2006**, *128*, 710-711.
78. *Coordination Dependence of Magnetic Properties within a Family of Related [Fe^{II}] Complexes of a Triazine-based Ligand*; Quesada, M.; de Hoog, P.; Gamez, P.; Roubeau, O.; Aromi, G.; Donnadiou, B.; Massera, C.; Lutz, M.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2006**, 1353-1361.
79. *Structure and magnetism of two new linear trinuclear copper(II) clusters obtained from the tetradentate N₂O₂ ligand bis(2-hydroxybenzyl)-1,3-diaminopropane*; Song, Y. F.; Gamez, P.; Roubeau, O.; Mutikainen, P.; Turpeinen, U.; Reedijk, J., *Inorg. Chim. Acta* **2005**, *358*, 109-115.
80. *Synthetic models of the active site of catechol oxidase: mechanistic studies*; Koval, I. A.; Gamez, P.; Belle, C.; Selmecezi, K.; Reedijk, J., *Chem. Soc. Rev.* **2006**, *35*, 814-840 (recognized as within the top 50 articles, published in 2006, contributing to the 2008 ChemSocRev Impact Factor).
81. *Catecholase activity of a copper(II) complex with a macrocyclic ligand: unraveling catalytic mechanisms*; Koval, I. A.; Selmecezi, K.; Belle, C.; Philouze, C.; Saint-Aman, E.; Gautier-Luneau, I.; Schuitema, A. M.; van Vliet, M.; Gamez, P.; Roubeau, O.; Lützen, M.; Krebs, B.; Lutz, M.; Spek, A. L.; Pierre, J. -L.; Reedijk, J., *Chem. Eur. J.* **2006**, *12*, 6138-6150.
82. *A Zig-Zag [Mn^{II}₄] Cluster from a Novel Bis(β -diketonate) Ligand*; Aromí, G.; Gamez, P.; Boldron, C.; Kooijman, H.; Spek, A. L.; Reedijk, J., *Eur. J. Inorg. Chem.* **2006**, 1940-1944.

83. *Spin transition in a triazine-based Fe(II) complex: variable-temperature structural, thermal, magnetic and spectroscopic studies*; Quesada, M.; Monrabal, M.; Aromí, G.; de la Peña-O'Shea, V. A.; Gich, M.; Molins, E.; Roubeau, O.; Teat, S. J.; MacLean, E.; Gamez, P.; Reedijk, J., *J. Mater. Chem.* **2006**, *16*, 2669-2676.
84. *Solvent control in the synthesis of Zn(II) and Cd(II) supramolecular compounds with N,N'-{2,4-di-[(di-pyridin-2-yl)amine]-1,3,5-triazine} ethylenediamine*; Casellas, H.; Gamez, P.; Reedijk, J.; Massera, C., *Polyhedron* **2006**, *25*, 2959-2966.
85. *A remarkable anion effect on the crystal packing of two analogous copper complexes from a thiophene-containing phenol-based ligand*; Koval, I. A.; Sgobba, M.; Huisman, M.; Lüken, M.; Saint-Aman, E.; Gamez, P.; Krebs, B.; Reedijk, J., *Inorg. Chim. Acta* **2006**, *359*, 4071-4078.
86. *Crystallographic and Theoretical Evidences of Acetonitrile- π Interactions with the Electron-deficient 1,3,5-Triazine Ring*; Mooibroek, T. J.; Teat, S. J.; Massera, C.; Gamez, P.; Reedijk, J., *Cryst. Growth Des.* **2006**, *6*, 1569-1574.
87. *Crystallographic Evidences of Nitrate- π Interactions Involving the Electron-deficient 1,3,5-Triazine Ring*; Maheswari, P. U.; Modec, B.; Pevec, A.; Kozlevčar, B.; Massera, C.; Gamez, P.; Reedijk, J., *Inorg. Chim. Acta* **2006**, *45*, 6637-6645.
88. *The role of carboxylic acids on a Na₂WO₄/H₂WO₄-based biphasic homogeneous alkene epoxidation, using H₂O₂ as oxidant*; Maheswari, P. U.; Tang, X.; Hage, R.; Gamez, P.; Reedijk, J., *J. Mol. Catal. A* **2006**, *258*, 295-301.
89. *The s-triazine ring, a remarkable unit to generate supramolecular interactions*; Mooibroek, T. J.; Gamez, P., *Inorg. Chim. Acta* **2007**, *360*, 381-404.
90. *The self-assembly between C₂-symmetric (methanol)₆ or S₆-symmetric (ethanol)₆ cyclohexamers and paddle-wheel dinuclear copper units leads to unique 1D polymer chains*; Benisvy, L.; Mutikainen, I.; Quesada, M.; Turpeinen, U.; Gamez, P.; Reedijk, J., *Chem. Commun.* **2006**, 3723-3725.
91. *Crystallographic evidence of theoretically novel anion- π interactions*; Casellas, H.; Massera, C.; Buda, F.; Gamez, P.; Reedijk, J., *New J. Chem.* **2006**, *30*, 1561-1566.
92. *Copper-catalyzed oxidative coupling of 2,6-dimethylphenol: a radical- or a ionic polymerization?* Gamez, P.; Gupta, S.; Reedijk, J., *C. R. Chimie* **2007**, *10*, 295-304.
93. *A New Approach For The Preparation of Efficient DNA Cleaving Agents: Copper-Platinum Complexes Based on 3-Clip-Phen and Cisplatin Heterobimetallic; Copper-Platinum Complexes Based on 3-Clip-Phen and Cisplatin*; de Hoog, P.; Boldron, C.; Gamez, P.; -Bol, K.; Roland, I.; Pitić, M.; Kiss, R.; Meunier, B.; Reedijk, J., *J. Med. Chem.* **2007**, *50*, 3148-3152.
94. *Preparation and Structure of Three Solvatomorphs of the Polymer [Co(dbm)₂(4ptz)]_n: Spin Canting Depending on the Supramolecular Organization*; Barrios, L. A.; Ribas, J.; Aromí, G.; Ribas-Ariño, J.; Gamez, P.; Roubeau, O.; Teat, S. J., *Inorg. Chim. Acta* **2007**, *46*, 7154-7162.
95. *A 2D [Fe^{II}-bistetrazole] coordination polymer exhibiting spin-crossover properties*; Quesada, M.; Prins, F.; Roubeau, O.; Gamez, P.; Teat, S. J.; van Koningsbruggen, P.; Haasnoot, J. G.; Reedijk, J., *Inorg. Chim. Acta (Special Issue ECMM)* **2007**, *360*, 3787-3796.
96. *Novel Linear Transition Metal Clusters of a Heptadentate Bis- β -diketone Ligand*; Aromí, G.; Gamez, P.; Krzystek, J.; Kooijman, H.; Spek, A. L.; MacLean, E.; Teat, S. J.; Nowell, H. *Inorg. Chim. Acta* **2007**, *46*, 2519-2529.
97. *A Square-Planar Nickel(II) Mono-Radical Complex with a Bis(salicylidine)diamine Ligand*; Benisvy, L.; Kannapan, R.; Song, Y.; Milikisyants, S.; Huber, M.; Mutikainen, I.; Turpeinen, U.; Gamez, P.; Bernasconi, L.; Baerends, E. J.; Hartl, F.; Reedijk, J., *Eur. J. Inorg. Chem.* **2007**, 637-642 (**Cover picture**).
98. *Unique ligand-based oxidative DNA cleavage by zinc(II) complexes of Hpyramol and Hpyrimol*; Palanisamy Maheswari, U.; Baerends, S.; Özalp-Yaman, S.; de Hoog, P.; Casellas, H.; Teat, S. J.; Massera, C.; Lutz, M.; Spek, A. L.; van Wezel, G.; Gamez, P.; Reedijk, J., *Chem. Eur. J.* **2007**, *13*, 5213-5222.
99. *A Molecule-Based Temperature Material Showing Tuneable Spin-Crossover Behaviour Near Room Temperature*; Quesada, M.; de la Peña-O'Shea, V. A.; Aromí, G.; Geremia, S.; Massera, C.; Roubeau, O.; Gamez, P.; Reedijk, J., *Adv. Mater.* **2007**, *19*, 1397-1402.
100. *Mechanistic studies for the polymerization of 2,6-dimethylphenol to poly(2,6-dimethyl-1,4-phenylene ether): LC-MS analyses showing rearrangement and redistribution products*; Gupta, S.; van Dijk, J. A. P. P.; Gamez, P.; Challa, G.; Reedijk, J., *Appl. Catal. A* **2007**, *319*, 163-170.

101. *A linear trinuclear copper(II) complex: structure, magnetic properties and EPR studies*; Koval, I. A.; Akhideno, H.; Tanase, S.; Belle, C.; Duboc, C.; Saint-Aman, E.; Gamez, P.; Tooke, D. M.; Spek, A.L.; Reedijk, J., *New J. Chem.* **2007**, *31*, 512-518.
102. *Remarkable Steric Effects and Influence of Axial Ligands L on the Spin-Crossover Properties of trans-[Fe^{II}(N₄ ligand)₂] Complexes*; Sanchez Costa, Sanchez Costa, J.; Lappalainen, K.; de Ruiter, G.; Quesada, M.; Tang, J.; Mutikainen, I.; Turpeinen, U.; Grunert, M.; Gütllich, P.; Zhor Lazar, H.; Létard, J. -F.; Gamez, P.; Reedijk, J., *Inorg. Chem.* **2007**, *46*, 4079-4089.
103. *Controlled Copper-Mediated Chlorination of Phenol Rings under Mild Conditions*; Song, Y.-F.; van Albada, G. A.; Tang, J.; Mutikainen, I.; Turpeinen, U.; Massera, C.; Roubeau, O.; Sanchez Costa, J.; Gamez, P.; Reedijk, J., *Inorg. Chem.* **2007**, *46*, 4944-4950.
104. *Anion binding involving π-acidic heteroaromatic rings*; Gamez, P.; Mooibroek, T. J.; Teat, S. J.; Reedijk, J., *Acc. Chem. Res.* **2007**, *40*, 435-444.
105. *Bis((3,5-dimethylpyrazol-1-yl)acetic acid-N,N')-hexakis-μ-chlorido-(II): an unexpected neutral bis-pyrazohyl ligand in a novel tetracopper(II) complex*; Pevec, A.; Kozlevčar, B.; ; Pevec Kozlevčar, B.; Gamez, P.; Reedijk, J., *Acta Cryst.* **2007**, *E63*, m514-m516.
106. *Rich Pseudopolymorphic Behavior of the Tetranuclear [Ni₄(dpyatriz)₂(NO₃)₈] Complex*; Casellas, H.; Roubeau, O.; Teat, S. J.; Masciocchi, N.; Galli, S.; Sironi, A.; Gamez, P.; Reedijk, J., *Inorg. Chem.* **2007**, *46*, 4583-4591.
107. *Structure and DNA cleavage properties of two copper(II) complexes of the pyridine-pyrazole-containing ligands mbp_zbp_y and mp_zbp_ya*; Palanisamy Maheswari, U.; Lappalainen, K.; Sfregola, M.; Barends, S.; Gamez, P.; Turpeinen, U.; Mutikainen, I.; van Wezel, G. P.; Reedijk, J., *Dalton Trans.* **2007**, 3676-3683.
108. *Pyrazole-Based Ligands for the [Copper-TEMPO]-Mediated Oxidation of Benzyl Alcohol to Benzaldehyde and structures of the Cu coordination compounds*; Salinas Uber, J.; Vogels, Y.; van den Helder, D.; Mutikainen, I.; Turpeinen, U.; Fu, W. T.; Roubeau, O.; Gamez, P.; Reedijk, J., *Eur. J. Inorg. Chem.* **2007**, 4197-4206.
109. *Supramolecular Assemblies Generated from Both Lone-pair...π and C-H...π Binding Interactions*; Lu, Z.; Gamez, P.; Mutikainen, I.; Turpeinen, U.; Reedijk, J., *Cryst. Growth Des.* **2007**, *7*, 1669-1671.
110. *Poly beta-diketones: prime ligands to generate supramolecular metalloclusters*; Aromí, G.; Gamez, P.; Reedijk, J., *Coord Chem. Rev.* **2008**, *252*, 964-989.
111. *Formation of a Pentanuclear Complex with a Hybrid Triazine-Phenanthridinone-based Ligand and the First Observation of a C-H...π...l. p. Interaction*; Kitson, P. J.; Song, Y. -F.; Gamez, P.; de Hoog, P.; Long, D. -L.; Parenty, A. D. C.; Cronin, L., *Inorg. Chem.* **2008**, *47*, 1883-1885.
112. *DNA Cleavage and binding selectivity of a heterodinuclear Pt-Cu(3-Clip-Phen) complex*; de Hoog, P.; Pitić, M.; Amadei, G.; Gamez, P.; Meunier, B.; Kiss, R.; Reedijk, J., *J. Biol. Inorg. Chem.* **2008**, *13*, 575-586.
113. *Supramolecular Click Assembly of a Fused Double-Stranded [Mn^{II}]₃ Dihelicate*; Tang, J.; Sánchez Costa, J.; Aromí, G.; Mutikainen, I.; Turpeinen, U.; Gamez, P.; Reedijk, J., *Eur. J. Inorg. Chem.* **2007**, 4119-4122.
114. *Self-Assembly of an Infinite Copper(II) Chiral Metallohelicite*; Mijangos, E.; Sánchez Costa, J.; Roubeau, O.; Teat, S. J.; Gamez, P.; Reedijk, J.; Gasque, L., *Cryst. Growth Des.* **2008**, *8*, 3187-3192.
115. *[Fe(μ-btzmp)₂(btzmp)₂](ClO₄)₂: a doubly-bridged 1D spin-transition bistetrazole-based polymer showing thermal hysteresis behaviour*; Quesada, M.; Kooijman, H.; Gamez, P.; Sánchez Costa, J.; van Koningsbruggen, P. J.; Weinberger, P.; Reissner, M.; Spek, A. L.; Haasnoot, J. G.; Reedijk, J., *Dalton Trans.* **2007**, 5434-5440.
116. *Efficient [bis(imino)pyridine-iron]-catalyzed oxidation of alkanes*; Tang, J.; Gamez, P.; Reedijk, J., *Dalton Trans.* **2007**, 4644-4646.
117. *Formation of a silver(I) coordination compound, with a pyrazole-pyridine ligand, whose crystal lattice is composed of three different types of 1D chains*; Salinas Uber, J.; Mutikainen, I.; Turpeinen, U.; Gamez, P.; Reedijk, J., *Inorg. Chem. Commun.* **2007**, *10*, 1478-1481.
118. *What's New in the Realm of Anion-π Binding Interactions? – Putting the Anion-π Interaction in Perspective*; Mooibroek, T. J.; Black, C. A.; Gamez, P.; Reedijk, J., *Cryst. Growth Des.* **2008**, *8*, 1082-1093.

119. *Influence of the copper coordination geometry on the DNA cleavage activity of Clip-Phen complexes studied by DFT*; de Hoog, P.; Louwerse, M. J.; Gamez, P.; Pitić, M.; Baerends, E. J.; Meunier, B.; Reedijk, J., *Eur. J. Inorg. Chem.* **2008**, 612-619.
120. *Chemical modification of a bridging ligand inside a Metal-Organic Framework while maintaining the 3D structure*; Sánchez Costa, J.; Gamez, P.; Black, C. A.; Roubeau, O.; Teat, S. J.; Reedijk, J., *Eur. J. Inorg. Chem.* **2008**, 1551-1554. (**highlighted in *Angewandte Chemie*, 2008, 47, 4635-4637**).
121. *Influence of Coordinating and Non-Coordinating Anions and of a Methoxy Substituent on the Formation of Copper-Based Assemblies*; Tang, J.; Sánchez Costa, J.; Pevec, A.; Kozlevčar, B.; Massera, C.; Roubeau, O.; Mutikainen, I.; Turpeinen, U.; Gamez, P.; Reedijk, J., *Cryst. Growth Des.* **2008**, 8, 1005-1012.
122. *Structure, cytotoxicity and DNA cleavage properties of the complex $[Cu^{II}(pbt)Br_2]$* ; Palanisamy Maheswari, U.; van der Ster, M.; Smulders, S.; Barends, S.; van Wezel, G. P.; Massera, C.; Roy, S.; den Dulk, H.; Gamez, P.; Reedijk, J., *Inorg. Chem.* **2008**, 47, 3719-3727.
123. *Coordination chemistry of substituted [1,2,4]triazolo[1,5-a]pyrimidines with first-row transition-metal ions. Synthesis, spectroscopy and single-crystal structure analysis*; J. M. Balkaran; S. C. van Bezouw; J. van Bruchem; J. Verasdonck; P. C. Verkerk; A. G. Volbeda; I. Mutikainen; U. Turpeinen; G. A. van Albada; P. Gamez; J. G. Haasnoot; J. Reedijk, *Inorg. Chim. Acta* **2009**, 362, 861-868.
124. *Platinated copper(3-Clip-Phen) complexes as effective DNA-cleaving and cytotoxic agents*; Şeniz Özalp-Yaman; Paul de Hoog; Giulio Amadei; Marguerite Pitić; Patrick Gamez; Janique Dewelle; Tatjana Mijatovic; Bernard Meunier; Robert Kiss and Jan Reedijk, *Chem. Eur. J.* **2008**, 14, 3418-3426.
125. *Unexpected high oxidation of cyclohexane by Fe salts and dihydrogen peroxide in acetonitrile*; B. Retcher, J. Sánchez Costa; J. Tang; R. Hage; P. Gamez; J. Reedijk, *J. Mol. Catal. A* **2008**, 286, 1-5 (**Editor's choice paper**).
126. *Copper complexes of the ligand methyl-bis(3,5-dimethylpyrazol-1-yl)acetate, generated by in situ methanolic esterification of bis(3,5-dimethylpyrazol-1-yl)-acetic acid*; B. Kozlevčar, A. Pevec, N. Kitanovski J. Sánchez Costa; , J. Sánchez Costa; G. van Albada, P. Gamez; J. Reedijk, *Eur. J. Inorg. Chem.* **2008**, 4977-4982.
127. *Efficient Near-UV Photosensitization of the Tb(III) Green Luminescence by use of 2-hydroxyisophthalate Ligands*; L. Benisvy, P. Gamez, W. T. Fu, H. Kooijman, A. L. Spek, A. Meijerink, J. Reedijk, *Dalton Trans.* **2008**, 3147-3149.
128. *A copper complex bearing a TEMPO moiety as catalyst for the aerobic oxidation of primary alcohols*; Z. Lu, J. Sánchez Costa, O. Roubeau, I. Mutikainen, U. Turpeinen, S. J. Teat, P. Gamez, J. Reedijk, *Dalton Trans.* **2008**, 3567-3573.
129. *Coordination Complexes Exhibiting $\pi \cdots \pi$ -Anion Interactions: Synthesis, Structure and Theoretical Studies*; L. A. Barrios, G. Aromí, A. Frontera, D. Quiñonero, P. M. Deyà, P. Gamez, O. Roubeau, S. J. Teat, *Inorg. Chem.* **2008**, 47, 5873-5881.
130. *Concurrent anion $\cdots\pi$ interactions between a perchlorate ion and two π -acidic aromatic rings, namely pentafluorophenol and 1,3,5-triazine*; R. J. Götz, A. Robertazzi, I. Mutikainen, U. Turpeinen, P. Gamez, J. Reedijk, *Chem. Commun.* **2008**, 3384-3386.
131. *The system Iron(II)/mpzbpby mediates the H₂O₂ oxidation of cyclohexane and cyclooctene and the aerobic oxidative cleavage of ascorbic acid to oxalate*; G. de Ruiter, J. Sánchez Costa, K. Lappalainen, O. Roubeau, P. Gamez, J. Reedijk, *Inorg. Chem. Commun.* **2008**, 11, 787-790.
132. *Synthesis and properties of a novel linear $[Ni_4L_2(py)_6]$ cluster: Designed ligand-controlled topology of the metals*; L. A. Barrios, D. Aguilà, S. Méllat, O. Roubeau, S. J. Teat, P. Gamez, G. Aromí, *C. R. Chimie.* **2008**, 11, 1117-1120.
133. *A mixed-valence $[Mn^{II}Mn^{III}Mn^{II}]$ Complex of a Linear Phenol-bis-pyrazole Ligand with an $S = 3$ Spin Ground State*; L. A. Barrios; Aromí, J. Salinas Uber, O. Roubeau, K. Sakai, S. , P. Gamez, J. Reedijk *Eur. J. Inorg. Chem.* **2008**, 3871-3876.
134. *Experimental observation of supramolecular carbonyl- π / π - π / π -carbonyl and carbonyl- π / π - π / π -anion assemblies supported by theoretical studies*; S. R. Choudhury, P. Gamez, A. Robertazzi, C. -Y. Chen, H. M. Lee, S. Mukhopadhyay *Cryst. Growth Des.* **2008**, 8, 3773-3784.
135. *A two-step spin crossover mononuclear iron(II) complex with a [HS-LS-LS] intermediate phase*; S. Bonnet, M. A. Siegler; J. Sánchez Costa, G. Molnár, A. Bousseksou, A. L. Spek, P. Gamez, J. Reedijk *Chem. Commun.* **2008**, 5619-5621.
136. *A New Sulfur-containing Schiff-Base Ligand and Binding to Copper(II) and Cobalt(II)*; A. González Castro, J. Sánchez Costa, R. Pievo, C. Massera, I. Mutikainen, U. Turpeinen, P. Gamez, and J. Reedijk *Z. Anorg. Allg. Chem.* **2008**, 634, 2477-2482.

137. Counterion effect on the spin-transition properties of the cation $[Fe(btzc)_3]^{2+}$ ($btzc = m$ - bisxylylene(bis)tetrazole)/tetrazole); M. Quesada, F. Prins, E. Bill, H. Kooijman, P. Gamez, O. Roubeau, A. L. Spek, J. G. Haasnoot and J. Reedijk *Chem. Eur. J.* **2008**, *14*, 8486-8499 (**highlighted as a VIP paper**).
138. Selective, catalytic aerobic oxidation of alcohols using $CuBr_2$ and bifunctional triazine containing both a bipyridine and a TEMPO group; Z. Lu, T. Ladrak, O. Roubeau, J. van der Toorn, S. J. Teat, C. Massera, P. Gamez and J. Reedijk *Dalton Trans.* **2009**, 3559-3570.
139. Water-chloride and water-bromide hydrogen-bonded networks: Influence of the nature of the halide ions on the stability of the supramolecular assemblies; Biswajit Dey, Somnath Ray Choudhury, Patrick Gamez, Attilio Vittorio Vargiu, Arturo Robertazzi, Chih-Yuan Chen, Hon Man Lee, Atish Dipankar Jana, and Subrata Mukhopadhyay *J. Phys. Chem. A* **2009**, *113*, 8626-8634.
140. Lone pair- π interactions: a new supramolecular bond; Tiddo J. Mooibroek, Patrick Gamez, Jan Reedijk *CrystEngComm* **2008**, *10*, 1501-1515 (**paper highlighted**).
141. Two-Step Spin-Transition Iron(III) Complex with a Wide [HS-LS] Plateau; Jinkui Tang, José Sánchez Costa, Simon Smulders, Gábor Molnár, Azzedine Bousseksou, Simon J. Teat, Yangguang Li, Gerard A. van Albada, Patrick Gamez, Jan Reedijk *Inorg. Chem.* **2009**, *48*, 2128-2135.
142. 3-D Lanthanide Metal-Organic Frameworks: Structure, Photoluminescence and Magnetism; Cory A. Black, José Sánchez Costa, Wen Tian Fu, Chiara Massera, Olivier Roubeau, Simon J. Teat, Guillem Aromí, Patrick Gamez, Jan Reedijk *Inorg. Chem.* **2009**, *48*, 1062-1068.
143. Supramolecular lone pair- π / π - π / π -anion assembly in a Mg(II)-malonate-2-aminopyridine-nitrate ternary system; Somnath Ray Choudhury, Biswajit Dey, Suranjana Das, Patrick Gamez, Arturo Robertazzi, Kai-Ting Chan, Hon Man Lee and Subrata Mukhopadhyay *J. Phys. Chem. A* **2009**, *113*, 1623-1627.
144. Influence of sample preparation, temperature, light, and pressure on the two-step spin crossover mononuclear compound $[Fe(bapbpy)(NCS)_2]$; Sylvestre Bonnet, José Sánchez Costa, Maxime A. Siegler, Anthony L. Spek, Azzedine Bousseksou, Wen-Tian Fu, Patrick Gamez, Jan Reedijk *Chem. Mater.* **2009**, *21*, 1123-1136.
145. Stabilisation of a very short Cu-F bond within the protected cavity of a copper(II) compound from a tris(2-aminoethyl)amine derivative; Ann Almesåker, Patrick Gamez, Jan Reedijk, Janet L. Scott, Leone Spiccia and Simon J. Teat *Dalton Trans.* **2009**, 4077-4080.
146. An Electron-Poor Host Receptor for Electron-Rich Guests Involving Anion- π and Lone-Pair- π Interactions; Paul de Hoog, Arturo Robertazzi, Ilpo Mutikainen, Urho Turpeinen, Patrick Gamez, Jan Reedijk *Eur. J. Inorg. Chem.* **2009**, 2684-2690.
147. Magnetic Coupling between Copper(II) Ions Mediated by Hydrogen-Bonded (Neutral) Water Molecules; Jinkui Tang, José Sánchez Costa, Amalija Golobič, Bojan Kozlevčar, Arturo Robertazzi, Attilio V. Vargiu, Patrick Gamez, and Jan Reedijk *Inorg. Chem.* **2009**, *48*, 5473-5479.
148. Iron Spin-Crossover compounds: from fundamental studies to practical applications; Patrick Gamez, José Sánchez Costa, Manuel Quesada and Guillem Aromí *Dalton Trans.* **2009**, 7845-7853.
149. Designed Topology and Site-Selective Metal Composition in Tetranuclear $[MM'\cdots M'M]$ Linear Complexes; Leoní A. Barrios, David Aguilà, Olivier Roubeau, Patrick Gamez, Jordi Ribas-Ariño, Simon J. Teat and Guillem Aromí *Chem. Eur. J.* **2009**, *15*, 11235-11243.
150. Drastic steric effects from, respectively, a hydrogen, a methyl and an ethyl group on the coordination network of a zinc(II)-4,4'-bipyridine-carboxylato ternary system; Pongthipun Phuengphai, Sujittra Youngme, Palangpon Kongsaree, Chaveng Pakawatchai, Narongsak Chaichit, Simon J. Teat, Patrick Gamez and Jan Reedijk *CrystEngComm* **2009**, *11*, 1723-1732.
151. Robust recognition of malonate and 2-amino-4-picolinium in conjunction with M(II) as a triad ($M = Ni/Co/Mn$): role of this highly stable hydrogen-bonded motif in driving supramolecular self-assembly; Somnath Ray Choudhury, Biswajit Dey, Suranjana Das, Arturo Robertazzi, Atish Dipankar Jana, Chih-Yuan Chen, Hon Man Lee, Patrick Gamez and Subrata Mukhopadhyay *Dalton Trans.* **2009**, 7617-7624 (**selected as Hot Paper by Dalton Transactions**).
152. A Mixed-Valent Pentanuclear $Cu_4^{II}Cu^I$ Compound Containing A Radical-Anion Ligand; Tiddo J. Mooibroek, Guillem Aromí, Manuel Quesada, Olivier Roubeau, Patrick Gamez, Serena DeBeer George, Joris van Slageren, Shadi Yasin, Eliseo Ruiz, and Jan Reedijk *Inorg. Chem.* **2009**, *48*, 10643-10651.

153. *An S-shaped [Fe₄Dy₂] complex exhibiting single-molecule magnet behaviour: Synthesis, magnetism and crystal structures of a family of [Fe₄Ln₂][Ln] coordination compounds (Ln = Nd, Gd, Tb, Dy, and Ho); Sanjit Nayak, Olivier Roubeau, Simon J. Teat, Christine M. Beavers, Patrick Gamez, and Jan Reedijk *Inorg. Chem.* **2010**, *49*, 216-221.*
154. *Manganese(III)-mediated cyclodimerization of a hydrazinyl derivative generating an unprecedented 1,2,3,5,6-substituted leuco-verdazyl ring; Jinkui Tang, Sanjit Nayak, José Sánchez Costa, Arturo Robertazzi, Roberta Pievo, Ilpo Mutikainen, Olivier Roubeau, Simon J. Teat, Patrick Gamez and Jan Reedijk *Dalton Trans.* **2010**, *39*, 1361-1365.*
155. *Hydrogen-bond assisted co-crystallization of a bimetallic Mn^{III}₂Ni^{II}₂ cluster and a Ni^{II}₂ cluster unit: Synthesis, structure, spectroscopy and magnetism; Sanjit Nayak, Guillem Aromí, Simon J. Teat, Jordi Ribas-Ariño, Patrick Gamez, and Jan Reedijk *Dalton Trans.* **2010**, *39*, 4986-4990.*
156. *Activation of the C–H bond by electrophilic attack: theoretical study of the reaction mechanism of the aerobic oxidation of alcohols to aldehydes by the Cu(bipy)²⁺/TEMPO cocatalyst system; Carine Michel, Paola Belanzoni, Patrick Gamez, Jan Reedijk, and Evert Jan Baerends *Inorg. Chem.* **2009**, *48*, 11909-11920.*
157. *A Promising New Route towards Single-Molecule Magnets Based on the Oxalate Ligand; Gong-Feng Xu, Qing-Lun Wang, Patrick Gamez, Yue Ma, Rodolphe Clérac, Jinkui Tang, Shi-Ping Yan, Peng Cheng and Dai-Zheng Liao *Chem. Commun.* **2010**, *46*, 1506-1508.*
158. *Discrete Tetrairon(III) Cluster Exhibiting a Square Planar-Fe₄(μ₄-O) Core: Structural and Magnetic Properties; Mariappan Murali, Sanjit Nayak, José Sánchez Costa, Joan Ribas, Ilpo Mutikainen, Urho Turpeinen, Martin Clémancey, Ricardo Garcia-Serres, Jean-Marc Latour, Patrick Gamez, Geneviève Blondin and Jan Reedijk *Inorg. Chem.* **2010**, *49*, 2427-2434.*
159. *Novel heteronuclear ruthenium-copper coordination compounds as efficient DNA-cleaving agents; Stefanie van der Steen, Paul de Hoog, Karlijn van der Schilden, Patrick Gamez, Marguerite Pitié, Robert Kiss, and Jan Reedijk *Chem. Commun.* **2010**, *46*, 3568-3570.*
160. *Praseodymium(III)-based bis-metallacalix[4]arene with host-guest behaviour; Gong-Feng Xu, Patrick Gamez, Simon J. Teat and Jinkui Tang *Dalton Trans.* **2010**, *39*, 4353-4357.*
161. *Supramolecular Assembly of Mg(II) Complexes Directed by Associative Lone pair–π / π–π / π–anion–π / π–lone pair Interactions; Amrita Das, Somnath Ray Choudhury, Biswajit Dey, Sampath Kumar Yalamanchili, Madeleine Helliwell, Patrick Gamez, Subrata Mukhopadhyay, Carolina Estarellas, and Antonio Frontera *J. Phys. Chem. B* **2010**, *114*, 4998-5009.*
162. *[Molybdenum(VI)/aminopyridinium] system as catalyst for the epoxidation of cyclooctene with H₂O₂; José Sánchez Costa, Cynthia M. Markus, Ilpo Mutikainen, Patrick Gamez, and Jan Reedijk *Inorg. Chim. Acta* **2010**, *363*, 2046-2050 (Special Issue: Metals in Organic Chemistry).*
163. *Polynuclear Cu(II), Ni(II) and Cd(II) coordination compounds with bis(pyrimidin-2-yl)amine and dicyanamide; Gerard A. van Albada, Maarten G. van der Horst, Simon J. Teat, Patrick Gamez, Olivier Roubeau, Ilpo Mutikainen, Urho Turpeinen, Jan Reedijk *Polyhedron* **2009**, *28*, 1541-1545.*
164. *Coordination Compounds from the Planar Tridentate Schiff-base Ligand 2-methoxy-6-((quinolin-8-ylimino)methyl)phenol (mqmpH) with Several Transition Metal Ions: Use of [Fe^{III}(mqmp)(CH₃OH)Cl₂] in the Catalytic Oxidation of Alkanes and Alkenes; Sanjit Nayak, Patrick Gamez, Bojan Kozlevčar, Andrej Pevec, Olivier Roubeau, Stefanie Dehnen and Jan Reedijk *Polyhedron* **2010**, *29*, 2291-2296.*
165. *Proficiency of the electron-deficient 1,3,5-triazine ring to generate anion–πi and lone-pair–πi interactions; José Sánchez Costa, Adriana Gonzalez Castro, Roberta Pievo, Olivier Roubeau, Barbara Modéc, Bojan Kozlevčar, Simon J. Teat, Patrick Gamez and Jan Reedijk *CrystEngComm* **2010**, *12*, 3057-3064.*
166. *Efficient, stable, tunable, and easy to synthesize, handle and recycle luminescent materials: [H₂NMe₂]₃[Ln(III)(2,6-dipicolinate)₃] (Ln = Eu, Tb, or its solid solutions); Tidlo J. Mooibroek, Patrick Gamez, Andrej Pevec, Bojan Kozlevčar, Wen-Tian Fu and Jan Reedijk *Dalton Trans.* **2010**, *39*, 6483-6487.*
167. *Catalytic properties of a series of coordination networks: cyanosilylation of aldehydes catalyzed by Zn(II)-4,4'-bpy-carboxylato complexes; Pongthipun Phuengphai, Sujitra Youngme, Patrick Gamez and Jan Reedijk *Dalton Trans.* **2010**, *39*, 7936-7942.*
168. *Two-Step Relaxation in a Linear Tetranuclear Dysprosium(III) Aggregate Showing Single-Molecule Magnet Behavior; Yun-Nan Guo, Gong-Feng Xu, Patrick Gamez, Lang Zhao, Shuang-Yan Lin, Ruiping Deng, Jinkui Tang, Hong-Jie Zhang *J. Am. Chem. Soc.* **2010**, *132*, 8538-8539.*

169. *Manganese-based Metal-Organic Frameworks as heterogeneous catalysts for the cyanosilylation of acetaldehyde*; Tim Ladrak, Simon Smulders, Olivier Roubeau, Simon J. Teat, Patrick Gamez and Jan Reedijk *Eur. J. Inorg. Chem.* **2010**, 3804-3812.
170. *Spectroelectrochemical Studies of Nuclease-Active Zinc(II) Coordination Compounds from the Ligands Hpyramol and Hpyrimol* Şeniz Özalp-Yaman, Paul de Hoog, Palanisamy Uma Maheswari, H el ene Casellas, Amaliya Golobi c, Bojan Kozlev car, Patrick Gamez and Jan Reedijk *Electrochim. Acta* **2010**, 55, 8655-8663.
171. *A dissymmetric, singly-bridged CuII dinuclear coordination compound: synthesis, characterisation, magnetic and computational study* Amitabha Amitabha Datta, Nien-Tsu Chuang, Fu-Xing Liao Datta, Nien-Tsu Chuang, Fu-Xing Liao, Ching-Han Hu, Wen-Yen Huang, Jui-Hsien Huang, Kuheli Das, Patrick Gamez and Jos e S anchez Costa *J. Chem. Res.* **2010**, 637-640.

PUBLICATIONS as ICREA Professor (from October 2010-April 2024)

172. *A Linear Tetranuclear Dysprosium(III) Compound Showing Single-Molecule Magnet Behavior*; Hongshan Ke, Gong-Feng Xu, Yun-Nan Guo, Patrick Gamez, Christine M. Beavers, Simon J. Teat and Jinkui Tang *Chem. Commun.* **2010**, 6057-6059 (selected as a Hot Article).
173. *Magnetic Properties of Dysprosium Cubanes Dictated by the M–O–M Angles of the [Dy₄(μ₃-OH)₄] Core*, Hongshan Ke, Patrick Gamez, Lang Zhao, Gong-Feng Xu, Shufang Xue and Jinkui Tang *Inorg. Chem.* **2010**, 49, 7549-7557.
174. *Distortional isomerism in copper(II) complexes of N,N',N''-tris((para-nitrobenzyl)phenyl)aminoethylamine*, Ann Almes aker, Patrick Gamez, Janet L. Scott, Simon J. Teat, Jan Reedijk and Leone Spiccia *Eur. J. Inorg. Chem.* **2010**, 5394-5400.
175. *Triazoles and tetrazoles: prime ligands to generate remarkable coordination materials*, Guillem Arom ı, Leon ı A. Barrios, Olivier Roubeau, Patrick Gamez *Coord. Chem. Rev.* **2011**, 255, 485-546.
176. *Reliability and Storage Capacity: A Compromise Illustrated in the Two-Step Spin-Crossover System [Fe(bapbpy)(NCS)₂]*, Mikael Kepenekian, Jose Sanchez Costa, Boris Le Guennic, Pascale Maldivi, Sylvestre Bonnet, Jan Reedijk, Patrick Gamez, and Vincent Robert *Inorg. Chem.* **2010**, 49, 11057-11061.
177. *Supramolecular Assemblies Involving Anion–π and Lone Pair–π Interactions: Experimental Observation and Theoretical Analysis*, Amrita Das, Somnath Ray Choudhury, Carolina, Biswajit Dey, Antonio Frontera, Joanna Hemming, Madeleine Helliwell, Patrick Gamez, and Subrata Mukhopadhyay *CrystEngComm* **2011**, 13, 4519-4527 (Cover Picture).
178. *Recent advances in anion–π interactions*, Arturo Robertazzi, Florian Krull, Ernst-Walter Knapp and Patrick Gamez *CrystEngComm* **2011**, 13, 3293-3300 (selected as a Hot Article).
179. *Coordination network solids based on Cu(II) coordination compounds with 1,4-bis-(1,2,4-triazol-1-yl)butane as a flexible alkyl spacer ligand: Synthesis, characterisation and X-ray structures*, Peerke I. M. van der List, S ebastien J.-L. Oldenbroek, Elza N. Lugthart, Gerard A. van Albada, Patrick Gamez, Jaap G. Haasnoot, Elza N. Lugthart, Gerard A. van Albada, Patrick Gamez, Jaap G. Haasnoot, Simon J. Teat, Olivier Roubeau, Ilpo Mutikainen, and Jan Reedijk *Inorg. Chim. Acta* **2011**, 370, 164-169.
180. *Spectro-electrochemical and DFT studies of a planar Cu(II)-phenolate complex active in the aerobic oxidation of primary alcohols*, Palanisamy Uma Maheswari, František Buda, Martin Lutz, Anthony L. Spek, Martin Lutz, Anthony L. Spek, Patrick Gamez and Jan Reedijk, *Inorg. Chim. Acta* **2011**, 374, 406-414.
181. *Putting Anion–π Interactions into Perspective*, Antonio Frontera, Patrick Gamez, Mark Mascal, Tidlo J. Mooibroek, and Jan Reedijk *Angew. Chem. Int. Ed.* **2011**, 50, 9564-9583.
182. *Coexistence of Intramolecular Ligand-Mediated and Through Hydrogen-Bond Magnetic Interactions in a Chain of Dicopper(II) Units*, Jos e S anchez Costa, Nuno A. G. Bandeira, Boris Le Guennic, Vincent Robert, Patrick Gamez, Guillaume Chastanet, Luis Ortiz-Frade, and Laura Gasque *Inorg. Chem.* **2011**, 50, 5696- 5705.
183. *Counter bis(3,5-dimethylpyrazol-1-yl)acetic acid coordination compounds*, Bojan Kozlev car, Patrick Gamez, Ren e de Gelder, Zvonko Jagli ci c, Peter Strauch, Nives Kitanovski, and Jan Reedijk *Eur. J. Inorg. Chem.* **2011**, 3650-3655.

184. *Design of Magnetic Coordination Complexes for Quantum Computing*, Guillem Aromí, David Aguilà, Patrick Gamez, Fernando Luis and Olivier Roubeau *Chem. Soc. Rev.* **2012**, *41*, 537-546 (**Cover Picture**).
185. *Selective Copper-Mediated Halogenation of Aromatic Rings Under Mild Conditions*, Iliaria Gamba, Patrick Gamez, Enrico Monzani, Luigi Casella, Ilpo Mutikainen, and Jan Reedijk *Eur. J. Inorg. Chem.* **2011**, 4360-4368.
186. *Anion- and lone pair-arene interactions are directional*, Tiddo J. Mooibroek, Patrick Gamez *CrystEngComm* **2012**, *14*, 1027-1030.
187. *Bio-related copper-mediated oxidative processes*, Rosa F. Brissos, Silvia García, Andreu Presa, Patrick Gamez *Comments Inorg. Chem* **2011**, *32*, 219-245.
188. *Cis-Trans Isomeric and Polymorphic Effects on the Magnetic Properties of Water-Bridged Copper Coordination Chains*, Bojan Kozlevčar, Nives Kitanovski, Zvonko Jagličić, Nuno A. G. Bandeira, Vincent Robert, Boris Le Guennic, and Patrick Gamez *Inorg. Chem* **2012**, *51*, 3094-3102.
189. *Directional character of solvent- and anion-pentafluorophenyl supramolecular interactions*, Tiddo J. Mooibroek, Patrick Gamez *CrystEngComm* **2012**, *14*, 3902-3906.
190. *A series of related 2D coordination polymers based on [copper(II)-4,4'-bpy-carboxylato] building blocks*, Pongthipun Phuengphai, Sujittra Youngme, Ilpo Mutikainen, Patrick Gamez, Jan Reedijk *Polyhedron* **2012**, *42*, 10-17.
191. *M^{III}Dy^{III} (M = Fe^{III}, Co^{III}) Complexes: Three-Blade Propellers Exhibiting of Magnetization*, Gong-Feng Xu, Patrick Gamez, Jinkui Tang, Rodolphe Clérac, Yun-Nan Guo, and Yang Guo, *Inorg. Chem* **2012**, *51*, 5693-5698.
192. *Spin canting and metamagnetism in the two azido-bridged 1-D complexes [Ni(3,5-dmpy)₂(N₃)_{2n} and [Co_{1.5}(3,5-dmpy)₃(N₃)₃]_n*, Zhengliang Lu, Patrick Gamez, Huizhong Kou, Chunhua Fan, Haitao Zhang, Guoxin Sun *CrystEngComm* **2012**, *14*, 5035-5041.
193. *Effect of a methyl group on the spontaneous resolution of a square-pyramidal coordination compound: crystal packing and conglomerate formation*, Apurba Biswas, Carolina Estarella, Antonio Frontera, Pablo Ballester, Michael G. B. Drew, Patrick Gamez and Ashutosh Ghosh *CrystEngComm* **2012**, *14*, 5854-5861.
194. *Synthesis, Crystal Structures and Catecholase Phenoxido-Bridged Penta-Coordinated Dinuclear Nickel(II) Complexes Derived from Reduced Schiff-Base Ligands: Mechanistic Inference of Catecholase Activity*, Apurba Biswas, Lakshmi Kanta, Das, Michael G. B. Drew, Guillem Aromí, Patrick Gamez, and Ashutosh Ghosh *Inorg. Chem.* **2012**, *51*, 7993-8001.
195. *Computational Analysis of the Nature and Strength of the Supramolecular Contacts Involved in the Binding of Chloride Anions by Imidazolium-Based Cyclic Receptors*, Juan Sanz García, Laura Rodríguez, Patrick Gamez and Arturo Robertazzi *J. Phys. Chem. A* **2012**, *116*, 9110-9115.
196. *Dual role of Cu²⁺ Ions on the Aggregation and Degradation of Soluble Aβ Oligomers and Protofibrils Investigated by Fluorescence Spectroscopy and AFM*, Silvia García, Cristina Cuscó, Rosa F. Brissos, Ester Torrents, Amparo Caubet, and Patrick Gamez *J. Inorg. Biochem.* **2012**, *116*, 26-36.
197. *DNA Binding Studies of a Series of cis-[Pt(Am)₂X₂] Complexes (Am = inert amine, X = labile carboxylato*, Esther Escribano, Mercè Esther Escribano, Mercè Font-Bardia, Teresa Calvet, Julia Lorenzo, Font-Bardia, Teresa Calvet, Julia Lorenzo, Patrick Gamez, Virtudes Moreno *Inorg. Chim. Acta* **2013**, *394*, 65-76.
198. *How directional are D-H...phenyl interactions in the solid state (D = C, N, O)?*, Tiddo J. Mooibroek and Patrick Gamez *CrystEngComm* **2012**, *14*, 8462-8467.
199. *Subtlety of the spin-crossover phenomenon observed with dipyridylamino-substituted triazine ligands*, Nanthawat Wannarit, Olivier Roubeau, Sujittra Youngme, and Patrick Gamez *Eur. J. Inorg. Chem.* **2013**, 730-737 (EurJIC's Cluster Issue on Spin-Crossover Complexes; **Cover Picture** and **Cover Profile**).

200. *Dinuclear complexes with a triple N1,N2-triazole bridge exhibiting partial spin crossover and weak antiferromagnetic interactions*, Olivier Roubeau, Patrick Gamez, and Simon J. Teat *Eur. J. Inorg. Chem.* **2013**, 934-942 (EurJIC's Cluster Issue on Spin-Crossover Complexes; **Cover Picture** and **Cover Profile**).
201. *Halogen...phenyl supramolecular interactions in the solid state: hydrogen versus halogen bonding and directionality*, Tiddo J. Mooibroek and Patrick Gamez *CrystEngComm* **2013**, *15*, 1802-1805 (selected as **Hot Article**).
202. *Analysis of the contribution of the π -acidity of the *s*-triazine ring in the crystal packing of coordination polymers*, Piya Seth, Antonio Bauzá, Antonio Frontera, Chiara Massera, Patrick Gamez and Ashutosh Ghosh *CrystEngComm* **2013**, *15*, 3031-3039.
203. *Influence of supramolecular bonding contacts on the spin crossover behaviour of iron(II) complexes from 2,2'-dipyridylamino/*s*-triazine ligands*, Nanthawat Wannarit, Olivier Roubeau, Sujittra Youngme, Simon J. Teat and Patrick Gamez *Dalton Trans.* **2013**, *42*, 7120-7130.
204. *Halogen bonding versus hydrogen bonding: what does the Cambridge Structural Database reveal?* Tiddo J. Mooibroek and Patrick Gamez *CrystEngComm* **2013**, *15*, 4565-4570.
205. *Anion Exchange in Coordination Network Materials*, Pongthipun Phuengphai, Chiara Massera, Jan Reedijk, Sujittra Youngme and Patrick Gamez *Eur. J. Inorg. Chem.* **2013**, 4812-4822.
206. *Custom-fit ruthenium(II) metalloptides: A new twist to DNA binding with coordination compounds*, Ilaria Gamba, Iria Salvadó, Gustavo Rama, Miriam Bertazzon, Mateo I. Sánchez, Víctor M. Sánchez-Pedregal, José Martínez-Costas, Rosa F. Brissos, Patrick Gamez, José L. Mascareñas, Miguel Vázquez López and M. Eugenio Vázquez *Chem. Eur. J.* **2013**, *19*, 13369-13375.
207. *New metal complexes of NNO tridentate ligands: effect of metal center and co-ligand on biological activity*, I. Machado, M. Fernández, L. Becco, B. Garat, R. F. Brissos, N. Zabarska, P. Gamez, F. Marques, I. Correia, J. Costa Pessoa, D. Gambino *Inorg. Chim. Acta* **2014**, *420*, 39-46.
208. *The anion- π interaction: naissance and establishment of a peculiar supramolecular bond*, P. Gamez *Inorg. Chem. Front.* **2014**, *1*, 35-43 (invited review for the first issue of this journal launched by the RSC).
209. *Enhancement of spin-crossover cooperativity mediated by lone pair- π interactions and halogen bonding*, N. Nassirinia, S. Amani, S. J. Teat, O. Roubeau, and P. Gamez *Chem. Commun.* **2014**, *50*, 1003-1005.
210. *Anion...Si Interactions in an Inverse Sandwich Complex: A Computational Study*, A. Robertazzi, J. A. Platts, P. Gamez *ChemPhysChem* **2014**, *15*, 912-917.
211. *The Impact of Anion-Modulated Structural Variations on the Magnetic Coupling in Trinuclear Heterometallic Cu^{II}-Co^{II} Complexes Derived from a Salen-Type Schiff-Base Ligand*, Soumavo Ghosh, Guillem Aromí, Patrick Gamez and Ashutosh Ghosh *Eur. J. Inorg. Chem.* **2014**, 3341-3349.
212. *One-Pot Multiple MOF Formation: Concomitant Generation of Structural Isomers or of Drastically Distinct Materials*, Achareeya Cheansirisomboon, Jorge Salinas-Uber, Chiara Massera, Olivier Roubeau, Sujittra Youngme and Patrick Gamez *Eur. J. Inorg. Chem.* **2014**, 4385-4393.
213. *Highly Cytotoxic DNA-Interacting Copper(II) Coordination Compounds*, Rosa F. Brissos, Ester Torrents, Francielli Mariana dos Santos Mello, Wanessa Carvalho Pires, Elisângela de Paula Silveira-Lacerda, Ana B. Caballero, Amparo Caubet, Chiara Massera, Olivier Roubeau, Simon J. Teat, and Patrick Gamez *Metallomics* **2014**, *6*, 1863-1868.
214. *Drastic Effect of Lattice Propionitrile Molecules on the Spin-Transition Temperature in a 2,2'-Dipyridylamino/*s*-Triazine-Based Iron(II) Complex*, Nanthawat Wannarit, Nassim Nassirinia, Saïd Amani, Norberto Masciocchi, Sujittra Youngme, Olivier Roubeau, Simon J. Teat and Patrick Gamez *Inorg. Chem.* **2014**, *53*, 9827-9836.

215. *DNA-interacting and biological properties of copper(II) complexes from amidino-O-methylurea*, Atittaya Meenongwa, Rosa F. Brissos, Chaiyaporn Soikum, Prapansak Chaveerach, Patrick Gamez, Yanee Trongpanich and Unchulee Chaveerach *New J. Chem.* **2015**, *39*, 664-675.
216. *Photoswitching the Cytotoxic Properties of Platinum(II) Compounds*, Andreu Presa, Rosa F. Brissos, Ana Belén Caballero, Ivana Borilovic, Luís Korrodi-Gregório, Ricardo Pérez-Tomás, Olivier Roubeau and Patrick Gamez *Angew. Chem. Int. Ed.* **2015**, *54*, 4561-4565 (paper highlighted in *ACS Chem. Biol.* **2015**, *10*, 911-913).
217. *Structural and magnetic analysis of retrosynthetically-designed architectures built from a triply-bridged heterometallic (CuL)₂Co node and benzenedicarboxylates*, Soumavo Ghosh, Guillem Aromí, Patrick Gamez and Ashutosh Ghosh *Eur. J. Inorg. Chem.* **2015**, 3028-3037.
218. *Possible DNA-Interacting pathways for metal-based compounds exemplified with Copper Coordination Compounds*, Rosa F. Brissos, Amparo Caubet, Patrick Gamez *Eur. J. Inorg. Chem.* **2015**, 2633-2645.
219. *Copper in Alzheimer's disease: Implications in amyloid aggregation and neurotoxicity*, Patrick Gamez and Ana B. Caballero *AIP adv.* **2015**, *5*, 092503.
220. *Effect of potential supramolecular-bond promoters on the DNA-interacting abilities of copper-terpyridine compounds*, Jordi Grau, Rosa F. Brissos, Jorge Salinas-Uber, Ana Belén Caballero, Amparo Caubet, Olivier Roubeau, Luís Korrodi-Gregório, Ricardo Pérez-Tomás and Patrick Gamez *Dalton Trans.* **2015**, *44*, 16061-16072.
221. *High-Affinity Sequence-Selective DNA binding by Iridium(III) polypyridyl organometallopeptides*, Ilaria Gamba, Iria Salvadó, Rosa F. Brissos, Patrick Gamez, José Manuel Brea, María Isabel Loza, M. Eugenio Vázquez and Miguel Vázquez López *Chem. Commun.* **2016**, *52*, 1234-1237.
222. *An unusual Cu(II) complex of a Schiff-base ligand of 3-aminoquinoline with a hydronated pyridine unit: Synthesis, characterizations, and computational studies*, Sanjit Nayak, Andrej Pevec, Colin C. Seaton, Patrick Gamez, and Jan Reedijk *Polyhedron* **2016**, *107*, 172-175.
223. *Zinc and Cadmium Halide Compounds with the tridentate ligand 2 (methylsulfanyl)-N-(pyridin-2-ylmethylidene)aniline showing yellow luminescence*, Xue Liu, Adriana González-Castro, Ilpo Mutikainen, Andrej Pevec, Simon J. Teat, Patrick Gamez, Jose Sanchez Costa, Elisabeth Bouwman, Jan Reedijk *Polyhedron* **2016**, *110*, 100-105.
224. *Histidine-rich Oligopeptides to Lessen Copper-Mediated Amyloid-β Toxicity*, Ana B. Caballero, Laia Terol-Ordaz, Alba Espargaró, Guillem Vázquez, Ernesto Nicolás, Raimon Sabaté, and Patrick Gamez *Chem. Eur. J.* **2016**, *22*, 7268-7280.
225. *Non-Switching 1,2-Dithienylethene-Based Diplatinum(II) Complex Showing High Cytotoxicity*, Andreu Presa, Leoní Barrios, Jordi Cirera, Luís Korrodi-Gregório, Ricardo Pérez-Tomás, Simon J. Teat, and Patrick Gamez *Inorg. Chem.* **2016**, *55*, 5356-5364.
226. *Effects of N,N-heterocyclic ligands on the in vitro cytotoxicity and DNA interactions of copper(II) chloride complexes from amidino-O-methylurea ligands*, Atittaya Meenongwa, Rosa F. Brissos, Chaiyaporn Soikum, Prapansak Chaveerach, Patrick Gamez, Yanee Trongpanich and Unchulee Chaveerach *New J. Chem.* **2016**, *40*, 5861-5876.
227. *DNA interactions and anticancer screening of copper(II) complexes of N-(methylpyridin-2-yl)-amidino-O-methylurea*, Romrawee Pratumwieng, Atittaya Meenongwa, Rosa F. Brissos, Patrick Gamez, Yanee Trongpanich and Unchulee Chaveerach *Transit. Met. Chem.* **2017**, *42*, 311-322.
228. *pH-Driven preparation of two related platinum(II) complexes exhibiting distinct cytotoxic properties*, Jordi Molas Saborit, Amparo Caubet, Rosa F. Brissos, Luís Korrodi-Gregório, Ricardo Pérez-Tomás, Manuel Martínez and Patrick Gamez *Dalton Trans.* **2017**, *46*, 11214-11222.
229. *Serving science through publishing*, Guillem Aromí, Patrick Gamez, Leoní A. Barrios, Jordi Ribas, Boris Le Guennic *Chem. Sq.* **2017**, *1*, 1.
230. *Chemistry Squared (Chem2)*, Patrick Gamez *An. Quím.*, **2017**, *113*, 270-271.

231. *Drastic effect of the peptide sequence on the copper-binding properties of tripeptides and the electrochemical behaviour of their copper(II) complexes*, Silvia Mena, Andrea Mirats, Ana B. Caballero, Gonzalo Guirado, Leoní A. Barrios, Simon J. Teat, Luis Rodriguez-Santiago, Mariona Sodupe and Patrick Gamez *Chem. Eur. J.* **2018**, *24*, 5153-5162.
232. *Photoactivation of the cytotoxic properties of platinum(II) complexes through ligand photoswitching*, Presa A., Vázquez G., Barrios L., Roubeau O., Korrodi-Gregório L., Perez-Tomas R., Gamez P. *Inorg. Chem.* **2018**, *57*, 4009-4022.
233. *Evaluation of the metal-dependent cytotoxic behaviour of coordination compounds*, Grau J., Renau C., Caballero A.B., Caubet A., Pockaj M., Lorenzo J., Gamez P. *Dalton Trans.* **2018**, *47*, 4902-4908.
234. *DNA interaction of non-chelating tinidazole-based coordination compounds. Structural, redox and cytotoxic properties*, Rodrigo Castro-Ramírez, Naytze Ortiz-Pastrana, Ana Belén Caballero, Matthew T. Zimmerman, Bradley S. Stadelman, Andrea A. E. Gaertner, Julia L. Brumaghim, Luís Korrodi-Gregório, Ricardo Pérez Tomás, Patrick Gamez and Norah Barba Behrens *Dalton Trans.* **2018**, *47*, 7551-7560.
235. *Efficient copper-based DNA cleavers from carboxylate benzimidazole ligands*, Víctor A. Barrera-Guzmán, Edgar O. Rodríguez-Hernández, Naytze Ortiz-Pastrana, Ricardo Domínguez González, Ana B. Caballero, Patrick Gamez, Norah Barba-Behrens *J. Biol. Inorg. Chem.* **2018**, *23*, 1165-1183.
236. *Highly Cytotoxic Ruthenium(II)-Arene Complexes from Bulky 1-Pyrenylphosphane Ligands*, Rosa Brissos, Pau Clavero, Albert Gallen, Arnald Grabulosa, Leoní A. Barrios, Ana B. Caballero, Luís Korrodi-Gregório, Ricardo Perez-Tomas, Guillermo Muller, Vanessa Soto-Cerrato, Patrick Gamez *Inorg. Chem.* **2018**, *57*, 14786-14797.
237. *Antiproliferative properties of iron supramolecular cylinders*, Rosa F. Brissos, Luís Korrodi-Gregório, Ricardo Pérez-Tomás, Olivier Roubeau, Patrick Gamez *Chem. Sq.* **2018**, *2*, 4.
238. *Amyloid Pan-inhibitors: One Sole Family of Compounds to Cope with All Conformational Diseases*, Alba Espargaro, Caterina Pont, Patrick Gamez, Diego Muñoz-Torrero, and Raimon Sabaté *ACS Chem. Neurosci.* **2019**, *10*, 1311-1317.
239. *Bacterial Inclusion Bodies for Anti-Amyloid Drug Discovery: Current and Future Screening Methods*, Ana B. Caballero, Alba Espargarò, Caterina Pont, Maria Antònia Busquets, Joan Estelrich, Diego Muñoz-Torrero, Patrick Gamez, Raimon Sabate *Curr. Protein Pept. Sc.* **2019**, *20*, 1.
240. *DNA-binding and in vitro cytotoxic activity of platinum(II) complexes of curcumin and caffeine*, Valentina Censi, Ana B. Caballero, Marta Perez-Hernandez, Vanessa Soto-Cerrato, Luís Korrodi-Gregorio, Ricardo Perez-Tomas, Maria Michela Dell'Anna, Piero Mastroilli, Patrick Gamez *J. Inorg. Biochem.* **2019**, *198*, 110749.
241. *Copper, dityrosine cross-links and amyloid- β aggregation*, Guillem Vázquez, Ana B. Caballero, Jakub Kokinda, Ana Hijano, Raimon Sabaté, Patrick Gamez *J. Biol. Inorg. Chem.* **2019**, *24*, 1217-1229.
242. *Peptidic Scaffolds To Reduce the Interaction of Cu(II) Ions with β -Amyloid Protein*, Ana B. Caballero, Olga Iranzo, Alexandre Hautier, Raimon Sabaté, Patrick Gamez *Inorg. Chem.* **2020**, *59*, 837-846.
243. *Thiosemicarbazone Derivatives as Inhibitors of Amyloid- β Aggregation: Effect of Metal Coordination*, Ana I. Matesanz, Ana B. Caballero, Carmen Lorenzo, Alba Espargaró, Raimon Sabaté, Adoración G. Quiroga, Patrick Gamez *Inorg. Chem.* **2020**, *59*, 6978-6987.
244. *Time-Dependent Cytotoxic Properties of Terpyridine-Based Copper Complexes*, Jordi Grau, Amparo Caubet, Olivier Roubeau, David Montpeyó, Julia Lorenzo, Patrick Gamez *ChemBioChem* **2020**, *21*, 2348-2355. **Special Issue: Metals in Medicine.**
245. *Expanding the Range of Pyrenylphosphines and Their Derived Ru(II)-Arene Complexes*, Laia Rafols, Sara Torrente, David Aguilà, Vanessa Soto-Cerrato, Ricardo Pérez-Tomás, Patrick Gamez, and Arnald Grabulosa *Organometallics* **2020**, *16*, 2959-2971.
246. *Evaluation of cobalt(III) complexes as potential hypoxia-responsive carriers of esculetin*, Marcos V. Palmeira-Mello, Ana B. Caballero, Juliana Martins Ribeiro, Elaine Maria de Souza-Fagundes, Patrick Gamez, Mauricio Lanznaster *J. Inorg. Biochem.* **2020**, *211*, 111211.
247. *Nanochaperone-based strategies to control protein aggregation linked to conformational diseases*, Ana B. Caballero, Patrick Gamez *Angew. Chem. Int. Ed.* **2021**, *60*, 41-52. Part of “**Hot Topic: Amyloids**”.

248. *Dual effect of Prussian blue nanoparticles on A β 40 aggregation: β -Sheet Fibril reduction and copper dyshomeostasis regulation*, Joanna Kowalczyk, Ettore Grapsi, Alba Espargaró, Ana B. Caballero, Jordi Juárez, Maria A. Busquets, Patrick Gamez, Raimon Sabate and Joan Estelrich *Biomacromolecules*, **2021**, 22, 430-440.
249. *Piano-Stool Ruthenium(II) Complexes with Delayed Cytotoxic Activity: Origin of the Lag Time*, Laia Rafols, Dana Josa, David Aguilà, Leoní A. Barrios, Olivier Roubeau, Jordi Cirera, Vanessa Soto-Cerrato, Ricardo Pérez-Tomás, Manuel Martínez, Arnald Grabulosa, and Patrick Gamez *Inorg. Chem.* **2021**, 60, 7974-7990.
250. *DNA-interacting properties of two analogous square-planar cis-chlorido complexes: copper versus palladium*, Marcos V. Palmeira-Mello, Ana B. Caballero, Aida Lopez Espinar, Guilherme P. Guedes, Amparo Caubet, Alessandra M. Teles de Souza, Mauricio Lanznaster and Patrick Gamez *J. Biol. Inorg. Chem.*, **2021**, 26, 727-740.
251. *Three to Tango: Inhibitory Effect of Quercetin and Apigenin on Acetylcholinesterase, Amyloid- β Aggregation and Acetylcholinesterase-Amyloid Interaction*, Irene Álvarez-Berbel, Alba Espargaró, Antonio Viayna, Ana B. Caballero, Maria Antònia Busquets, Patrick Gamez, Francisco Javier Luque and Raimon Sabate *Pharmaceutics*, **2022**, 2538, 165-188.
252. *Nanotechnological approaches to address photosensitizers' limitations: towards improved clinical applicability of photodynamic therapy*, Guglielmo Spinelli, Ana B. Caballero, Patrick Gamez *Chem. Sq.*, **2022**, 6, 2.
253. *Steric hindrance, ligand ejection and associated photocytotoxic properties of ruthenium(II) polypyridyl complexes*, Piedad Herrera-Ramírez, Sarah Alina Berger, Dana Josa, David Aguilà, Ana B. Caballero, Pere Fontova, Vanessa Soto-Cerrato, Manuel Martínez and Patrick Gamez *J. Biol. Inorg. Chem.*, **2023**, 28, 403-420.
254. *Cytotoxicity of osmium(II) and cycloosmated half-sandwich complexes from 1-pyrenyl-containing phosphane ligands*, Dana Josa, David Aguilà, Pere Fontova, Vanessa Soto-Cerrato, Piedad Herrera-Ramírez, Laia Rafols, Arnald Grabulosa and Patrick Gamez *Dalton Trans.*, **2023**, 52, 8391-8401.
255. *Cobalt(III)-py₂en systems as potential carriers of β -ketoester-based ligands*, Marcos V. Palmeira-Mello, Ana B. Caballero, Piedad Ramírez-Herrera, Analu R. Costa, Savyo S. Santana, Guilherme P. Guedes, Amparo Caubet, Alzir Azevedo Batista, Patrick Gamez, Mauricio Lanznaster *J. Inorg. Biochem.*, **2023**, 248, 112345.
256. *Collaborations in the Spanish-Speaking Bioinorganic Community*, Patrick Gamez and Luis Lemus, *J. Biol. Inorg. Chem.*, **2024**, 29, 1.
257. *Anti-toxoplasma activity and DNA-binding of copper(II) and zinc(II) coordination compounds with 5-nitroimidazole-based ligands*, Rubí Navarro-Peñaloza, Jhony Anacleto-Santos, Norma Rivera-Fernández, Francisco Sánchez-Bartez, Isabel Gracia-Mora, Ana Belén Caballero, Patrick Gamez, Norah Barba-Behrens, *J. Biol. Inorg. Chem.*, **2024**, 29, 33-49. Special Issue entitled “Collaborations in the Spanish-Speaking Bioinorganic Community”.
258. *Square-Planar Copper(II) complexes from a Zwitterionic Schiff-Base N₂/N₂²⁻-Donor Ligand: DNA Interaction and Cytotoxicity*, Jordi Grau, David Montpeyó, Julia Lorenzo, Olivier Roubeau, Amparo Caubet, and Patrick Gamez, *Eur. J. Inorg. Chem.*, **2024**, 27, online.

BOOKS, OR CONTRIBUTIONS TO BOOKS

- Heterogeneous asymmetric catalysis with C₂-symmetric amine-modified rhodium/silica.
P. Gamez, F. Fache, M. Lemaire and P. Mangeney,
in “*Chiral Reactions in Heterogeneous Catalysis*” G. Jannes and V. Dubois Eds., pp 147-149.
- Green oxidation of alcohols using biomimetic Cu complexes and Cu enzymes as catalysts
Arends, I. W. C. E.; **Gamez, P.**; Sheldon, R. A.
in *Advances in Inorganic Chemistry*, **2006**, Chapter 6, 235-279.
- Mimicking Nature: Bio-inspired Models of Copper Proteins
Koval, I. A.; **Gamez, P.**; Reedijk, J.
in *Tomorrow's Chemistry Today: Concepts in Nanoscience, Organic Materials and Environmental Chemistry*, WILEY-VCH **2009**, Chapter 5, 101-127.
- Fine-tuning and Recycling of Homogeneous Tungstate and Polytungstate Epoxidation Catalysts
Alsters, P. L.; Witte, P. T.; Neumann, R.; Sloboda Rozner, D.; Adam, W.; Zhang, R.; Reedijk, J.; **Gamez, P.**; ten Elshof, J. E.; Roy Chowdhury, S.
in *Mechanisms in Homogeneous and Heterogeneous Epoxidation Catalysis*, S. T. Oyama, ed.: Elsevier, **2008**, Chapter 16, pp 415-428.

5. Molecular Magnetism
Aromí, G.; **Gamez, P.**; Roubeau, O.
in *Spin States in Biochemistry and Inorganic Chemistry*, M. Swart, M. Costas, eds.: John Wiley & Sons, Ltd, **2016**, *Chapter 12*, pp 263-296.
6. Polyphenylene Oxides by Oxidative Polymerization of Phenols
Gamez, P.
in *Liquid Phase Aerobic Oxidation Catalysis: Industrial Applications and Academic Perspectives*, S. S. Stahl, P. L. Alsters, eds.: John Wiley & Sons, Ltd, **2016**, *Chapter 7.1*, pp 97-105.
7. Anti-Amyloid Drug Screening Methods Using Bacterial Inclusion Bodies
Caballero, A.B.; **Gamez, P.**; Sabate, R.; Espargaró, A.
in *Bacterial Amyloids: Methods and Protocols*, Véronique Arluison et al., eds.: Springer, **2022**, *Chapter 12*, 165-188.

OTHER

1. US patent registered (Leiden University, **2008**): Luminescent Lanthanide Complexes
T.J. Mooibroek, **P. Gamez**, W. T. Fu, J. Reedijk. (Application: US 2008-41338 20080303. Priority: US 2007 904969 20070305).
2. UK patent filed (Leiden University, **2009**); WO 2009/109857 A1; Method for Producing Carboxylic Acids by Oxidative Cleavage of Unsaturated Compounds
P. U. Maheswari, **P. Gamez**, P. de Hoog, R. Hage, J. Reedijk.
3. Contribution to the article of Simon Hadlington entitled "Anions enjoy a taste of pi" in *Chem. World*, **2010**, 7, 5-5;
<http://www.rsc.org/chemistryworld/News/2010/May/16051001.asp>.

ORGANIZATION OF CONFERENCES, MEETINGS, WORKSHOPS (2010-2024)

1. COST kick-off meeting Action CM1003, Barcelona, December 2 & 3, **2011**.
2. Local organizing committee of the 5th International Conference on Molecular Materials (MOLMAT 2012), Barcelona, July 3-6, **2012**.
3. First meeting of the Spanish network of excellence MetDrugs in Barcelona, February 2, **2016**.
4. Second meeting of the Spanish network of excellence MetDrugs in Almuñecar, October 20, **2016**.
5. Third meeting of the Spanish network of excellence MetDrugs in Bilbao, July 13, **2017**.
6. Fourth meeting of the Spanish network of excellence MetDrugs in Madrid, October 25, **2017**.
7. MetDrugs Symposium at the UAB; "MetDrugs: at the frontier between coordination chemistry and nanotechnology", Barcelona, November 30, **2017**.
8. Member of the organizing committee of the 5th European Colloquium on Inorganic Reaction Mechanisms ECIRM 2018, Barcelona, July 8-11, **2018**.
9. Organizer of the Session-55 entitled "Transition metal complexes in cancer therapy" during the 43rd International Conference on Coordination Chemistry (ICCC2018), Sendai (Japan), July 30 – August 4, **2018**.
10. Member of the organizing committee of BioLugo (XI Reunión Científica de Bioinorgánica), Lugo (Spain), June 30 – July 3, **2019**.
11. Member of the organizing committee of the AEBIN Photochemistry School 2020, videoconference from Donostia (Spain), September 7–9, **2020**.
12. International Chair of the Scientific Session dedicated to the topic "T13 - Metals in biology" during the International Meeting ICC2022, Rimini (Italy), August 28 – September 2, **2022**.

13. Member of the organizing committee of the symposium S7 entitled “Chemical tools for Chemical Biology” held in Granada during the XXXVIII meeting of the Spanish Royal Society of Chemistry (RSEQ-Granada 2022), Granada (Spain), June 27-30, **2022**.
14. Organizer of the online Young Researcher’s Day 2021 (YRD2021) of the Spanish Association of Bioinorganic Chemistry (AEBIN), July 12, **2021**.
15. Organizer of the 4th HC3A Meeting entitled “All about H₂: from production and activation” held in Barcelona (Spain), January 20–21, **2022**.
16. Member of the organizing committee of BioMadrid (XII Reunión Científica de Bioinorgánica), Madrid (Spain), July 11-13, **2022**.
17. Member of the organizing committee of the symposium S14 entitled “Biological Inorganic and Organic Chemistry (BIOChem)” held in Zaragoza during the XXXIX meeting of the Spanish Royal Society of Chemistry (RSEQ-Zaragoza 2023), Zaragoza (Spain), June 25-29, **2023**.
18. Member of the organizing committee of BioGranada (XIII Reunión Científica de Bioinorgánica), Granada (Spain), June 5-7, **2023**.
19. Member of the scientific committee of the 5th meeting of the HC3A network (between Catalonia and Occitanie) Meeting entitled “Electrochemistry: from basics to applications”, Montpellier (France), January 15–16, **2024**.

JURY MEMBER OF MASTERS AND PhD THESES (2007-2024)

1. Jury member - PhD defense of Chrétien Simons
Title: “Chemoenzymatic cascade processes for sustainable organic synthesis”;
Technische Universiteit Delft; June 12, **2007**.
2. Jury member - PhD defense of Flavia Barragán Clavero
Title: “Vehiculización de compuestos metálicos hacia células tumorales mediante conjugación a análogos de octreotide”;
Universitat de Barcelona; November 25, **2011**.
3. Jury member - Master defense of Rosa Faustino Brissos
Title: “Copper compounds (Schiff bases) as DNA-Interacting Agents”;
Universidade de Lisboa; December 19, **2011**.
4. Thesis examiner – PhD of Tamsyn Maree Ross
Title: “Magnetostructural studies of some mono- and polynuclear Fe (II) spin crossover compounds containing new 2,2'-dipyridylamino-substituted s-triazine ligands”;
Monash University (Australia), Faculty of Science, School of Chemistry, **2011**.
5. Jury member substitute – PhD defense of Carolina Estarellas Martín
Title: “Theoretical and experimental study of cooperativity effects in noncovalent interactions”;
Universitat de les Illes Balears (Spain); September 7, **2012**.
6. Jury member - PhD defense of Nanthawat Wannarit
Title: “Magnetic studies of spin-crossover iron(II) and triply-bridged dinuclear copper(II) compounds”;
Khon Kaen University (Thailand); May 3, **2013**.
7. President of Jury – PhD defense of Gavin Craig
Title: “Advanced study of switchable spin crossover compounds”;
Universitat de Barcelona (Spain); June 28, **2013**.
8. Jury member (secretary) – PhD defense of Daniel Aravena Ponce
Title: “Transporte cuántico y magnetismo en sistemas inorgánicos: un estudio computacional”;
Universitat de Barcelona (Spain); December 4, **2013**.
9. Jury member (secretary) – PhD defense of Sergi Vela Llausí
Title: “Computational Modeling of Molecular Magnetic Materials”;
Universitat de Barcelona (Spain); September 10, **2014**.

10. Jury member substitute – PhD defense of María de los Ángeles Medrano Chacón
Title: “Estudio y diseño de complejos antitumorales de Pt(II) y Pt(IV), usando nuevas estrategias para conseguir una mayor actividad y especificidad”;
Universidad Autónoma de Madrid (Spain); May 29, **2015**.
11. Jury member – PhD defense of Iria Salvadó López
Title: “Diseño y síntesis de metalopéptidos bioactivos de Ru(II) e Ir(III)”;
Universidade de Santiago de Compostela (Spain); January 11, **2016**.
12. President of Jury – PhD defense of Alejandra Rodriguez Morales
Title: “Efectos de la interacción de compuestos de cobre(II) y rutenio(II) con fibronectina y tubulina; proteínas relacionadas con los procesos químicos del cáncer”;
Universitat de Barcelona (Spain); February 10, **2016**.
13. President of Jury – PhD defense of Beltzane Garcia i Cirera
Title: “Compostos polinuclears de manganès mimètics d’enzims redox. Inserció en suports mesoestructurats. Estudi de les propietats magnètiques i catalítiques”;
Universitat de Barcelona (Spain); February 24, **2016**.
14. Jury member substitute – PhD defense of Laura Rovira González
Title: “Design and Application of Bisphosphite Ligands with a Distal Regulation Site for Asymmetric Catalysis”;
Universitat Rovira i Virgili – ICIQ (Spain); June 17, **2016**.
15. Jury member (secretary) – PhD defense of Marta Vázquez Valero
Title: “Estudio cinético de la interacción de complejos de metales de transición con moléculas biológicamente relevantes”;
Universitat de Barcelona (Spain); July 22, **2016**.
16. Jury member – PhD defense of Balakrishna Bugga
Title: “Development of P-OP Ligands with New Structural Motifs for Rhodium- and Iridium-Mediated Asymmetric Hydrogenations”;
Universitat Rovira i Virgili – ICIQ (Spain); September 9, **2016**.
17. Jury member substitute – PhD defense of Francesca Peccati
Title: “Computational Simulation of Fluorescent Markers for Amyloid Detection”;
Universitat Autònoma de Barcelona (Spain); November 11, **2016**.
18. Jury member – PhD defense of Francisco Navas López
Title: “Síntesis y reactividad a nivel molecular de diferentes series de complejos metálicos de Pt^{II}, Pt^{IV} y Pd^{II} con actividad antitumoral”;
Universidad Autónoma de Madrid (Spain); May 22, **2017**.
19. Jury member – PhD defense of Francisco Martínez Peña
Title: “Reversible Activation Dynamics of Tethered Ruthenium(II) Arene Complexes”;
Universidad Autónoma de Madrid (Spain); March 2, **2018**.
20. Jury member substitute – PhD defense of Cristina Cuscó Marigó
Title: “Multisensitive polyurethane/polyurea nanocapsules for smart drug delivery”;
Universitat de Barcelona (Spain); March 22, **2018**.
21. Jury member – PhD defense of Manuel José Sánchez del Castillo
Title: “Iones Metálicos en la Neuroquímica de Ferritina y Frataxina”;
Universidad de Granada (Spain); June 26, **2018**.
22. Secretary of Jury – PhD defense of Raúl Díaz Torres
Title: “Synthesis, Characterization and Deposition on surfaces of Curcuminoid-based Systems”;
Universitat de Barcelona (Spain); July 20, **2018**.
23. Jury member substitute – PhD defense of Katia Ghannadzadeh Samper
Title: “Nous complexos fotoactivables de platí(II) i azobenzé com a possibles fàrmacs contra el càncer”;
Universidad Autónoma de Barcelona (Spain); November 9, **2018**.
24. Jury member substitute – PhD defense of Katia Ghannadzadeh Samper
Title: “Colloidal coordination polymer nanostructures: novel thermochromic and bioimaging probes”;

Universidad Autònoma de Barcelona (Spain); November 29, **2019**.

25. Jury member – PhD defense of Joaquim Peña Aparicio
Title: “Novel Cu(II) complexes bearing N,O-donor heteroaromatic ligands as potential anticancer drugs. A redox active metallic core”;
Universidad Autònoma de Barcelona (Spain); December 13, **2019**.
26. Jury member (President) – PhD defense of Daniel Salvador Gil
Title: “Formación de heterociclos y compuestos metálicos con aplicaciones biológicas y gelificantes”;
Universidad de Zaragoza (Spain); July 14, **2020**.
27. Jury member (President) – PhD defense of Xiaoman Mao
Title: “Platinum-based nanostructured polymers for glioblastoma treatment”;
Universitat Autònoma de Barcelona (Spain); April 16, **2021**.
28. Jury member – PhD defense of Xing Wang
Title: “Complexes Iridium(III)-NHC avec des vecteurs spécifiques comme agents théranostiques pour la thérapie photodynamique”;
Laboratoire de Chimie de Coordination; Toulouse (France); October 15, **2021**
29. Jury member (President) – PhD defense of Gloria Viguera Bautista
Title: “Phosphorescent heteroleptic iridium(III) complexes: applications for therapy and photodynamic therapy of cancer”;
Universidad de Murcia (Spain); October 22, **2021**.
30. Jury member – PhD defense of Kevin Morales Fernández
Title: “Light-Triggered Squaramido-Pt(II) Photocages as Potential PACT Agents”
Universitat Autònoma de Barcelona (Spain); February 4, **2022**.
31. Jury member substitute – PhD defense of Glòria Garcia Ortega
Title: “Metallosurfactants and drug delivery systems for biomedical applications”;
Universidad Autònoma de Barcelona (Spain); July 15, **2022**.
32. Jury member (Secretary) – PhD defense of Samuel Peña Díaz
Title: “Preventing α -synuclein aggregation – Finding disease modifying molecules for Parkinson’s Disease”
Universidad Autònoma de Barcelona (Spain); November 24, **2022**.
33. Jury member substitute – PhD defense of Edgar Fuentes
Title: “Developing supramolecular polymers for drug delivery”
IQAC-CSIC Barcelona (Spain); January 17, **2023**.
34. Jury member substitute – PhD defense of Lorena Roldán Martín
Title: “Computational study of the interaction of metals with biological scaffolds: neurodegenerative diseases and catalysis”
Universidad Autònoma de Barcelona (Spain); February 27, **2024**.
35. Jury member (Secretary) – PhD defense of Marc-Ricard Batten Vera
Title: “NIR Light Controlled Release of Pt(IV) by Means of Upconversion Nanoparticles”
Universidad Autònoma de Barcelona (Spain); March 22, **2024**.
36. Jury member substitute – PhD defense of Arnau Pons Garcia
Title: “Hemocyanin’s study from a chemical point of view”
Universidad Autònoma de Barcelona (Spain); **2024**.

ORAL COMMUNICATIONS and INVITED LECTURES (1993-2024)

1. Asymmetric catalytic reduction of prochiral ketones using C₂-axe diamines as ligands

Gamez P., Fache F., Lemaire M.
SFC Lyon, Lyon (France), May 18, **1993**.

2. Heterogeneous asymmetric catalysis with C₂-symmetric amine-modified rhodium/silica

Gamez P., Fache F., Lemaire M.
Chicat, Brussels (Belgium), October 25 & 26, **1993**.

3. Substitution allylique catalysée par le Pd : utilisation de ligands chiraux polymérisés
Gamez P., Dunjic B., Fache F., Lemaire M.
SFC-Lyon 1994, Lyon (France), September 26-30, **1994**.
4. Enantioselective catalysis using imprinted materials
Dunjic B., Gamez P., Pinel C., Lemaire M.
SFC-Palaiseau 1995, Palaiseau (France), September 12-15, **1995**.
5. C₂-symmetric nitrogen containing ligands in catalytic asymmetric reductions with template effect
Gamez P., Dunjic B., Fache F., Lemaire M.
"Young Organic Chemists' Workshop" *COST-D2*, Budapest (Hungary), September 16-19, **1995**.
6. Nitrogen-containing ligands in asymmetric catalysis
Gamez P.
Max-Planck-Institut für Kohlenforschung Seminar, Mülheim an der Ruhr (Germany), January 24, **1997**.
7. Ligands azotés en catalyse asymétrique homogène et hétérogène
Gamez P.
Journée SFC (Division Chimie Organique), Paris (France), March 11, **1997**.
8. Highly efficient catalytic system for the oxidative coupling of 2,6-dimethylphenol
Gamez P., Driessen W. L., Reedijk J.
NRSC-Catalysis Workshop, Amsterdam (The Netherlands), April 7, **2000**.
9. New chelating agents for copper complexes and application in catalysis
Gamez P., Driessen W. L., Reedijk J.
COST-D8 Workshop, Edinburgh (Scotland), July 9, **2000**.
10. Biomimetic Cu chemistry and oxidation reactions
Gamez P., Driessen W. L., Reedijk J.
COST-D21 Chemistry Working Group, Brussels (Belgium), February 10-11, **2001**.
11. Simple and effective catalytic systems for the polymerization of 2,6-dimethylphenol
Gamez P., Simons C., Driessen W. L., Reedijk J.
NCCC II, Noordwijkerhout (The Netherlands), March 5-7, **2001**.
12. Macrocyclic Copper Complexes as Catalysts for the Polymerization of 2,6-Dimethylphenol
Gamez P., Steensma R., Driessen W. L., Reedijk J.
NRSC-Catalysis Workshop, Amsterdam (The Netherlands), May 31, **2001**.
13. Bio-inspired oxidation reactions involving copper
Gamez P., Driessen W. L., Reedijk J.
COST-D21 Chemistry Working Group, Orsay (France), March 2, **2002**.
14. Biomimetic copper-catalysed oxidation reactions
Gamez P., Driessen W. L., Reedijk J.
NCCC III, Noordwijkerhout (The Netherlands), March 4-6, **2002**.
15. New types of Cu complexes and their use in oxidations
Gamez P., Driessen W. L., Reedijk J.
Work meeting of the group ISG1 of the joint HRSMC/WWU Münster Graduierten Kolleg, Münster (Germany), April 11, **2002**.
16. New 1,3,5-triazinebased multidentate ligands in the self-assembly of coordination macromolecules
Gamez P., Reedijk J.
Dutch Polymer Days, Lunteren (The Netherlands), February 10-11, **2003**.
17. Supramolecular coordination complexes. Applications in biomimetic copper catalysis
Gamez P., Koval I. A., de Hoog P., Reedijk J.
NRSC-C Mini-symposium, Eindhoven (The Netherlands), April 14, **2003**.
18. The use of phenol-based N,S-containing ligands to mimic the type-3 copper protein active site
Huisman M., Koval I. A., Gamez P., Reedijk J.

NWO-CW, *Ontwerp en Synthese, Structuur en Reactiviteit, Biomoleculaire Chemie*, Lunteren (The Netherlands), October 13-15, **2003**.

19. Modelling the type-3 active site of copper proteins

Gamez P., Reedijk J.

COST-D21 Chemistry Working Group 003, Brussels (Belgium), February 21-22, **2004**.

20. Aerobic copper(II)-catalyzed selective oxidation of primary alcohols to aldehydes

Gamez P., Arends I. W. C. E., Reedijk J., Sheldon R. A.

NCCC V, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

21. Synthetic models of the type-3 active site of copper bio-proteins

Gamez P., Koval I. A., Song Y., Reedijk J.

IGK MIDWEEK, Didam (The Netherlands), March 24-26, **2004**.

22. Synthetic models of the type-3 active site of copper bio-proteins

Gamez P., Koval I. A., Song Y., Reedijk J.

ICCC36, Mérida (México), July 18-23, **2004**.

23. Selective copper(II)-mediated oxidative coupling of a nucleophilic reagent to the *para*-methyl group of 2,4,6-trimethylphenol

Boldron C., Ozalp-Yaman S., Gamez P., Tooke D. M., Spek A. L., Reedijk J.

Dalton Discussion 8 – Metals: Centres of Biological Activity, Nottingham (UK), September 7-9, **2005**.

24. Macromolecular 1,3,5-triazine-based anion receptors

Gamez P., Mooibroek T. J., Teat S. J., MacLean E., Reedijk J.

11th IUPAC International Symposium on Macromolecule-Metal Complexes, Tirrenia (Italy), September 10-13, **2005**.

25. 1,3,5-Triazine-based functional materials

Gamez P.

Kick-off Meeting COST D35, Prague (Czech Republic), January 6-7, **2006**.

26. Cyanuric chloride as building block for the preparation of (multi)functional materials

Gamez P.

NCCC VII, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

27. Cyanuric chloride as building block for the preparation of (multi)functional materials

Gamez P.

Chemiedozententagung, Hamburg (Germany), March 19-22, **2006**.

28. Oxidative coupling reactions mediated by a bio-inspired copper complex

Gamez P., Gupta S., Reedijk J.

COST D21 Final workshop on "Metalloenzymes and Chemical Biomimetics", Leuven (Belgium), May 25-28, **2006**.

29. Triazine-based ligands for the preparation of (multi)functional hybrid organic-inorganic materials (HOIMs)

Gamez P., Reedijk J.

ICCC37, Cape Town (South Africa), August 13-18, **2006**.

30. Exploring new salicylamide-based ligands with transition metals and lanthanides

Benisvy L., Gamez P., Reedijk J.

ECCI, Budapest (Hungary), August 27-31, **2006**.

31. Overview Research Investigations Leiden

Gamez P., Reedijk J.

COST D35 Initial workshop, Tomar (Portugal), October 11-12, **2006**.

32. Copper- and tungsten-catalyzed oxidation reactions

Gamez P., Reedijk J.

NIOK/NRSC-C workshops, Utrecht (The Netherlands), November 17, **2006**.

33. Minor Structural Variations within a Family of *s*-Triazine-Based [iron(II)] Complexes Give Rise to Drastically Distinct Magnetic Behaviours

Gamez P., Quesada M., Aromí G., Roubeau O., Teat S. J., Reedijk J.

COST D35 Workshop "Switchable Molecular Materials", Groningen (The Netherlands), April 19-20, **2007**.

34. Bio-Inspired Copper-Mediated Reactions

Gamez P.

Seminar LEDSS, Université Joseph Fourier, Grenoble (France), June 28, 2007.

35. Selective aerobic oxidation of primary alcohols mediated by a model complex of galactose oxidase

Gamez P., Maheswari Palanisamy U., Reedijk J.

ICBIC XIII, Vienna (Austria), July 15-20, 2007.

36. Post-modification of a bridging ligand inside a metal-organic framework

Gamez P., Sánchez Costa J., Black C. A., Roubeau O., Teat S. J., Reedijk J.

ICCC 38, Jerusalem (Israel), July 20-25, 2008.

37. Anion- π interactions involving N-containing π -acidic rings

Gamez P., Mooibroek T. J., Black C. A., Reedijk J.

4th EuCheMS Conference on Nitrogen Ligands, Garmisch-Partenkirchen (Germany), August 24-28, 2008.

38. Post-synthetic functional group modification of a Metal-Organic Framework (MOF)

Gamez P., Reedijk J.

NRSC-C Workshops, Utrecht (The Netherlands), November 18th, 2008.

39. Spin-transition Fe(II) compounds based on polypyridine ligands

Gamez P.

Seminar at Forschungszentrum Karlsruhe GmbH, Institut für Nanotechnologie, Karlsruhe (Germany), June 24th, 2009.

40. Spin-transition Fe(II) compounds based on polypyridine ligands

Gamez P.

Seminar at the University of Zaragoza, Zaragoza (Spain), November 27th, 2009.

41. Interactions between electron-rich molecules and electron-poor π -rings: a new supramolecular bond?

Gamez P.

Seminar at Freie Universität Berlin, Berlin (Germany), February 18th, 2010.

42. Coordination design and catalysis

Gamez P.

Seminar at Universitat Rovira i Virgili, Tarragona (Spain), February 23th, 2010.

43. The anion- π interaction: a new supramolecular contact?

Gamez P.

Seminar at Universitat de Barcelona, Barcelona (Spain), April 12th, 2011.

44. Anion- π interactions: are they supramolecular bonding contacts?

Gamez P.

Conferència del cicle Interdisciplinari at Universitat de Girona, Girona (Spain), May 11th, 2011.

45. Simple Square-Planar Copper(II) Complexes as DNA-Interacting Agents

Brissos R. F., Zabarska N., Moreno V., Gamez, P.

VII Reunion Científica de Bioinorganica, Águilas (Spain), July 3-6, 2011.

46. Is the anion- π interaction a supramolecular bond?

Gamez P.

5th EuCheMS Conference on Nitrogen Ligands, Granada (Spain), September 4-8, 2011.

47. Copper-mediated aggregation and oxidative coupling of amyloid β

Gamez P., Brissos R. F., García S.

COST CM1003 Workshop "Biological oxidation reactions - mechanisms and design of new catalysts", Göttingen (Germany), April 19-20, 2012.

48. Porous Coordination Polymers (PCPs), Metal-Organic Frameworks (MOFs): Remarkable inorganic-organic materials with designated functional properties

Gamez P.

MATGAS Seminar Series on CO₂ and Sustainability, Barcelona (Spain), June 20, 2012.

49. Copper-mediated aggregation and alteration of soluble amyloid β oligomers and protofibrils

- García S., Cuscó C., Brissos R. F., [Gamez P.](#)
11th European Biological Inorganic Chemistry Conference, Granada (Spain), September 12-16, **2012**.
50. Copper for anticancer and anti-Alzheimer drug design
[Gamez P.](#)
First Whole Action Meeting COST CM1105, Granada (Spain), September 17-18, **2012**.
51. A decade-long supramolecular journey in the exciting world of anion- π interactions
[Gamez P.](#)
ICIQ Seminar (invitation by Pau Ballester), Tarragona (Spain), September 28, **2012**.
52. New Copper(II) Complexes from Planar N,N,O Ligands as DNA Cleavers: Efficient Cytotoxic Agents
Brissos R. F., [Gamez P.](#)
International Congress for Innovation in Chemistry (PERCH-CIC Congress VIII), Pattaya (Thailand), May 5-8, **2013**.
53. Alternative approaches in anticancer drug design
Brissos R. F., Presa A., Caubet A., [Gamez P.](#)
VIII Reunión científica de bioinorgánica, Burgos (Spain), July 7-10, **2013**.
54. Uncommon coordination compounds to target unusual cellular components
Brissos R. F., Presa A., Rodríguez A., Caubet A., Moreno V., Barrios L., Aromí G., García J., Lorenzo J., [Gamez P.](#)
1st International Symposium on Functional Metal Complexes that Bind to Biomolecules, Barcelona (Spain), September 9-10, **2013**.
55. Metal coordination compounds that bind to biomolecules
Brissos R. F., Presa A., Rodríguez A., Caballero A. B., Caubet A., [Gamez P.](#)
VI Journées Franco-Catalanes de Chimie Moléculaire, Toulouse (France), January 27-28, **2014**.
56. May amyloid- β /Cu metalloprotein act as an oxidation enzyme?
[Gamez P.](#)
Seminar at Universitat Autònoma de Barcelona, Barcelona (Spain), March 13, **2014**.
57. Involvement of copper in A β aggregation and degradation
Brissos R. F., Caballero A. B., [Gamez P.](#)
ICCMSE 2014, Athens (Greece), April 4-7, **2014**.
58. Are dityrosine cross-links a feature of Alzheimer's disease?
[Gamez P.](#)
COST CM1003 WG Meetings, Lund (Sweden), May 20-22, **2014**.
59. Interaction of metallohelicates with DNA
Brissos R. F., Pérez-Tomás R.; [Gamez P.](#)
2nd International Symposium on Functional Metal Complexes that Bind to Biomolecules, Zurich (Switzerland), August 22-23, **2014**.
60. DNA-interacting molecular switches
Presa A., Vázquez G., [Gamez P.](#)
12th European Biological Inorganic Chemistry Conference, Zurich (Switzerland), August 24-28, **2014**.
61. Fluorescent metal-binding molecules as potential anti-Alzheimer's agents
Caballero A. B., [Gamez P.](#)
Annual meeting of the French BioInorganic Chemistry group (FrenchBIC), Anglet (France), September 28th-October 1st, **2014**.
62. Alternative approaches to develop efficient cytotoxic agents
[Gamez P.](#), Brissos R. F., Presa A., Caubet A.
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.
63. Cytotoxic copper agents based on simple Schiff-base ligands
[Gamez P.](#), Brissos R. F., Soto V., Pérez-Tomás R., Cusco C., Rocas J., Rocas P.
COST CM1105 WG3 Meeting, Warsaw (Poland), September 1-2, **2015**.
64. Modulating the biological properties of platinum(II) complexes through ligand photoswitching
[Gamez P.](#), Presa A.
1st International Caparica Christmas Congress on Translational Chemistry, Lisbon (Portugal), December 7-10, **2015**.
65. Development of peptide-based compounds as potential anti-Alzheimer agents

- Caballero A. B., Vázquez G., Nicolás E., [Gamez P.](#)
6th International Conference on Metals in Genetics, Chemical Biology and Therapeutics, Bangalore (India), February 17-20, **2016**.
66. New Switching Coordination Compounds for Potential Photo-Chemotherapeutic Application
Presa A. Caballero A. B., [Gamez P.](#)
13th European Biological Inorganic Chemistry Conference, Budapest (Hungary), August 28-September 1, **2016**.
67. Photoswitching the DNA-interacting properties of coordination compounds
Presa A., Megan A., [Gamez P.](#)
14th International Symposium on Applied Bioinorganic Chemistry, Toulouse (France), June 7-10, **2017**.
68. Photoactivatable platinum drugs through light-driven modification of the ligand
Presa A., [Gamez P.](#)
XXXVI Biennial Meeting of the Spanish Royal Society of Chemistry, Sitges (Spain), June 25-29, **2017**.
69. Distinct strategies to generate more selective antiproliferative agents
Brissos R. F., Presa A., Caubet A., [Gamez P.](#)
X Reunión Científica de Bioinorgánica (BioBilbao2017), Bilbao (Spain), July 9-12, **2017**.
70. RAPTA-type complexes containing a bulky phosphane ligand
Gallén A., Grabulosa A., [Gamez P.](#)
43rd International Conference on Coordination Chemistry (ICCC2018), Sendai (Japan), July 4 – August 4, **2018**.
71. Inhibition of β -amyloid aggregation by functionalized gold nanoparticles
Caballero A. B., Vázquez G., Canyelles F., Sabaté R., [Gamez P.](#)
14th European Biological Inorganic Chemistry Conference (EuroBIC 14), Birmingham (UK), August 26-30, **2018**.
72. Science Squared: Serving Science Through Publishing
[Gamez P.](#)
B-debate - Open science: from values to practice. Building a roadmap for transformative change, CosmoCaixa – Barcelona (Spain), October 4-5, **2018**.
73. Cancer cell antiproliferative activity of organoruthenium and organoiridium complexes
[Gamez P.](#)
Workshop "From Bioinorganic Chemistry to Catalysis", Donostia - San Sebastián (Spain), November 23, **2018**.
74. Presentation of the Association Science Squared and its publishing model
[Gamez P.](#)
Plan S Session organized by the Young Academy of Europe (with the presence of Robert-Jan Smits, the Open Access Envoy of the European Commission), Residencia de Investigadores del CSIC, Barcelona (Spain), November 28, **2018**.
75. Histidine-containing oligopeptides to reduce copper/amyloid- β toxicity in Alzheimer's Disease
[Gamez P.](#)
Seminar at the Universidad de Zaragoza/ISQCH, Zaragoza (Spain), April 24, **2019**.
76. Use of peptides and nanoparticles in Alzheimer's Disease theranostics
[Gamez P.](#)
Seminar at Sofia University "St Kliment Ohridski", Sofia (Bulgaria), May 21, **2019**.
77. Various approaches to generate efficient cytotoxic agents for potential anticancer applications
[Gamez P.](#)
Seminar at Sofia University "St Kliment Ohridski", Sofia (Bulgaria), May 21, **2019**.
78. Presentation of the Association Science Squared
[Gamez P.](#)
4th Bordeaux Olivier Kahn Discussions (BOOK-D), Bordeaux (France), June 25-28, **2019**.
79. Small histidine-containing peptides to reduce copper/amyloid- β toxicity in Alzheimer's Disease
Guillem Vázquez, Ana B. Caballero, [Patrick Gamez](#)
XI Reunión Científica de Bioinorgánica (BioLugo), Lugo (Spain), June 30 – July 3, **2019**.
80. Application of various approaches to design coordination compounds with remarkable cytotoxic properties
[Gamez P.](#), Caballero A. B., Caubet, A.
Montpellier2019 merging GSO-JMJC-JED Days, Montpellier (France), October 16-18, **2019**.

81. Interaction of amyloid- β with functionalized gold nanoparticles
Gamez P.
V GEQB ChemBio, Granada (Spain), February 19-21, **2020**.
82. Research at nanoBIC
Gamez P.
Kick-off meeting of the Spanish network of Excellence 'MultiMetDrugs'
Videoconference, July 27, **2020**.
83. Ruthenium(II) piano-stool complexes with 1-pyrenyl-containing phosphine ligands: chemical transformation and cytotoxicity
Josa D., Rafols L., Grabulosa A, Gamez, P.
XXXVIII biennial meeting of the Spanish Royal Society of Chemistry (RSEQ), Granada (Spain), June 37-30, **2022**.
84. Oligopeptides as Cu²⁺/Cu⁺ redox silencers
Vázquez G., Nicolás E., Caballero A.B., Gamez P.
1st International Conference on Metal-Binding Peptides (MBP 2022), Nancy (France), July 5-8, **2022**.
85. Cytotoxic behaviour of half-sandwich Ruthenium(II) complexes from 1-pyrenyl-containing phosphane ligands
Gamez P.
Meeting of the Spanish network of Excellence 'MultiMetDrugs', July 13, **2022**.
86. Cyclometalation of Ruthenium(II) Piano-Stool Complexes and Cytotoxicity
Josa D., Rafols L., Grabulosa A, Gamez, P.
44th International Conference on Coordination Chemistry (ICCC 2022), Rimini (Italy), August 28 – September 2, **2022**.
87. Ruthenium(II) and Osmium(II) complexes to kill cancer cells, **Gamez, P.** *Seminar at the Institut des Sciences Moléculaires de Marseille*, Marseille (France), July 7, **2023**.
88. Small histidine-containing peptides to reduce copper-mediated oxidative stress in Alzheimer's disease
Patrick Gamez
Ciclo Jornadas Científicas Prometeo 2022 "Amino-Nanozimes", Biomedical Applications, Valencia (Spain), November 24, **2023**.
89. Ruthenium(II) and Osmium(II) complexes to kill cancer cells, **Gamez, P.** *Seminar at the Laboratoire de Chimie de Coordination (CNRS)*, Toulouse (France), December 15, **2023**.
90. Small histidine-containing peptides to reduce copper-mediated oxidative stress in Alzheimer's disease (substitution of a cancelled talk)
Patrick Gamez
5th HC3A Meeting, "Electrochemistry: from basics to applications", Montpellier (France), January 15-19, **2024**.
91. Copper and amyloid- β in Alzheimer's Disease
Patrick Gamez
Seminar at Universitat de Barcelona, Barcelona (Spain), April 11th, **2024**.
92. Mononuclear complexes of platinum group metals (PGMs) as efficient cytotoxic agents
Patrick Gamez
Anticancer Metal Drugs: New Developments and Future Perspectives 2nd Edition, Donostia-San Sebastián (Spain), May 15-17, **2024**.

ORAL COMMUNICATIONS by nanoBIC Group members and Collaborators (2010-2024)

1. Effects of Interaction of Copper(II) and Ruthenium(II) Coordination Compounds on Fibronectin and Tubulin, Two Proteins Involved in Cellular Processes
Rodríguez, A.; García, J.; Gamez, P.; Lorenzo, J.; Moreno, V.
First Whole Action Meeting COST CM1105, Granada (Spain), September 17-18, **2012**.
2. Supramolecular Effects on the Spin-Crossover Properties of Iron(II) Compounds with 2,2'-Dipyridylamino-Substituted Triazine Ligands
Wannarit, N.; Youngme, S.; Roubeau, O.; Teat, S. J. and Gamez, P.
International Congress for Innovation in Chemistry (PERCH-CIC Congress VIII), Pattaya (Thailand), May 5-8, **2013**.
3. Preliminary radiochemical studies with the ⁶⁴Cu-labelled complex from the ligand 2-*tert*-butyl-6-(pyridine-2-yl-hydrazonomethyl)phenol (HL-1)

Kludkiewicz, D.; Maurin, M.; Garnuszek, P.; Bachon, A. –K., Gamez, P.; Mikolajczak, R.
2nd International Symposium on Functional Metal Complexes that Bind to Biomolecules, Zurich (Switzerland), August 22-23, **2014**.

4. Quelación con péptidos para combatir la enfermedad de Alzheimer
Ana B. Caballero, Laia Terol-Ordaz, Guillem Vazquez, Ernesto Nicolas, Andrea Mirats, Luis Rodriguez-Santiago, Mariona Sodupe, Patrick Gamez
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.

5. Interaction of metallohelicates with DNA
Rosa F. Brissos, Alberto Vazquez, David Aguila, Mohanad Darawsheh, Luis Korrodi-Gregorio, Ricardo Perez-Tomas, Leoni Barrios, Olivier Roubeau, Guillem Aromi, Patrick Gamez
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.

6. Biodistribution of ⁶⁴Cu-HL-1 complex, an aid in the evaluation of potential chemotherapeutic agent
Dominik Kludkiewicz, Urszula Karczmarczyk, Michal Maurin, Ewa Laszuk, Piotr Garnuszek, Renata Mikolajczak, Patrick Gamez, Rosa F. Brissos
COST CM1105 WG3 Meeting, Warsaw (Poland), September 1-2, **2015**.

7. Copper-chelating tripeptides: Binding properties and therapeutic potential against Alzheimer's disease
Ana Belén Caballero, Laia Terol, Guillem Vázquez, Ernesto Nicolás, Patrick Gamez
7th Franco-Catalan Meeting - 1st HC3A Meeting, Toulouse (France), January 26-27, **2016**.

8. Multifunctional short peptides for the design of anti-Alzheimer therapeutics
Guillem Vázquez, Ana Belén Caballero, Ernesto Nicolás, Patrick Gamez
15th Iberian Peptide Meeting, Porto (Portugal), February 10-12, **2016**.

9. Peptidic Chelating Agents: Towards the Development of Anti-Alzheimer's Disease Theranostics
Vázquez G., Teruel C., Caballero A. B., Nicolás E., Gamez P.
13th European Biological Inorganic Chemistry Conference, Budapest (Hungary), August 28-September 1, **2016**.

10. Tailoring gold nanoparticles as agents against the aggregation and the extracellular accumulation of amyloid peptides
Ana B. Caballero, Alba Espargaró, Guillem Vázquez, Raimon Sabaté and Patrick Gamez
10th Anniversary of the Institut de Nanociència i Nanotecnologia, Col·legi Oficial de Metges de Barcelona (Spain), January 26, **2017**.

11. Design of Anti-Alzheimer's Disease Theranostics: Fluorescent Chelating Peptides (**1st Best Oral Presentation Award**)
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez
II Workshop on Chemistry of Group 11 Elements, Barcelona (Spain), January 26-27, **2017**.

12. Conjugación de péptidos quelantes a nanopartículas de oro para combatir la toxicidad asociada al cobre en la enfermedad de Alzheimer
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez
X Reunión Científica de Bioinorgánica (BioBilbao2017), Bilbao (Spain), July 9-12, **2017**.

13. Estrategias para reducir la toxicidad asociada al péptido beta-amiloide en la enfermedad de Alzheimer
Ana B. Caballero, Guillem Vázquez, Alba Espargaró, Raimon Sabaté, Ernesto Nicolás and Patrick Gamez
X Reunión Científica de Bioinorgánica (BioBilbao2017), Bilbao (Spain), July 9-12, **2017**.

14. Interaction of beta-amyloid protein with polymer-coated gold nanoparticles
Ana B. Caballero, Francesca Canyelles, Guillem Vázquez, Raimon Sabaté, Patrick Gamez
2nd HC3A Meeting, Toulouse (France), January 18-19, **2018**.

15. Grafting of chelating agents to gold nanoparticles to reduce copper-induced beta-amyloid aggregation
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás, Patrick Gamez
2nd HC3A Meeting, Toulouse (France), January 18-19, **2018**.

16. Modulation of β -amyloid aggregation with functionalized gold nanoparticles
A.B. Caballero, G. Vázquez, F. Canyelles, R. Sabaté and P. Gamez
IN²UB Annual Meeting, Barcelona (Spain), June 5, **2018**.

17. First steps towards programming the interaction of polymer-coated nanoparticles with amyloids: β -amyloid protein as case study
Ana B. Caballero, Guillem Vázquez, Francesca Canyelles, Raimon Sabaté, Patrick Gamez

7th EuCheMS Chemistry Congress, Liverpool (United Kingdom), August 26-30, **2018**.

18. Antitumor Activity of Ru-arene Complexes with Monophosphines

Arnald Grabulosa, Albert Gallen, Patrick Gamez

XXXVI GEQO Congress – Organometallic Chemistry Group, Zaragoza (Spain), September 5-7, **2018**.

19. Nanochaperones: A hopeful therapeutic approach to fight conformational diseases?

Ana B. Caballero

The Annual Congress of Nanoscience and Nanotechnology (II CANN-2020) hosted by the Catalan Society of Nanoscience and Nanotechnology (SCN²), Barcelona (Spain), November 19, **2020**.

20. Strategies to control toxic amyloid aggregation from an inorganic chemist's perspective

Ana Belén Caballero

I Online Conferences of Metals in Medicine. Universidad Rey Juan Carlos I. Madrid (Spain)

www.metalsinmedicine.es, november **2021**.

21. Study of metal nanochaperones as a potential therapeutic approach against Alzheimer's disease

Ana B. Caballero, Jan Romano-deGea, Guillem Vázquez, Alba Espargaró, Raimon Sabaté, and Patrick Gamez

XXXVIII biennial meeting of the Spanish Royal Society of Chemistry (RSEQ), Granada (Spain), June 37-30, **2022**.

22. Control of toxic protein aggregation from an inorganic chemist's perspective

Ana B. Caballero

XII Reunión Científica de Bioinorgánica (BioMadrid2022), Madrid (Spain), July 11-13, **2022**.

23. Inorganic tools to control toxic protein aggregation

Ana Belén Caballero, Alba Espargaró, Raimon Sabaté and Patrick Gamez

IV Congreso sobre Materiales Multifuncionales, Almuñécar (Spain), May 22-23, **2023**.

24. Controlled Release of Single-Stranded DNA from Protein-Coated Gold Nanoparticles

Elba Guasch, Hugo Romero, Ana Belén Caballero, Sergi Hernández, Patrick Gamez

XIII Reunión Científica de Bioinorgánica (BioGranada2023), Granada (Spain), June 5-7, **2023**.

25. Treating Diseases in the Nanoscale

Ana Belén Caballero

Master Course Capita Selecta of Nanoscience and Nanotechnology; Katholieke Universiteit Leuven (Belgium), April **2023**.

26. Linking copper, tyrosines and protein aggregation in Alzheimer's disease

Ana Belén Caballero

ISI Atlas of Science; <https://atlasofscience.org/linking-copper-tyrosines-and-protein-aggregation-in-alzheimers-disease/>, November **2023**.

POSTERS (1993-2024)

Thioethers and amines : potential good ligands in homogeneous catalysis ?

Fache F.; Gamez P.; Nour F.; Lemaire M.

Europacat-1, Montpellier (France), September 12-17, **1993**.

Heterogeneous asymmetric catalysis with C₂-symmetric amine-modified rhodium/silica

P. Gamez, F. Fache, M. Lemaire and P. Mangeney

Chicat, Brussels (Belgium), October 25-26, **1993**.

Pd-catalyzed enantioselective allylic substitution, hydride transfer reduction of acetophenone with a chiral polymer as ligand

Gamez P., Dunjic B., Fache F., Lemaire M.

POC'94, Venice (Italy), June 19-23, **1994**.

Pseudo C₂ poly(amides) and poly(ureas) as chiral ligands in asymmetric catalysis

Gamez P., Dunjic B., Fache F., Lemaire M.

BOSS 5, Namur (Belgium), July 11 -15, **1994**.

Pseudo C₂ poly(amides) and poly(ureas) as inductive supports in a Meerwein-Ponndorf-Verley type reduction

Gamez P., Dunjic B., Fache F., Lemaire M.

European Japanese Symposium, Rennes (France), September 14-16, **1994**.

Hydride transfer reduction of ketones in homogeneous phase and in heterogeneous phase with template effect

Gamez P., Dunjic B., Fache F., Pinel C., Lemaire M.

Sipsy's Symposium on Asymmetric Catalysis, Paris (France), June 22-23, **1995**.

Enantioselective Pd-catalyzed allylic alkylation in homogeneous and in heterogeneous phase

Gamez P., Dunjic B., Fache F., Lemaire M.

Sipsy's Symposium on Asymmetric Catalysis, Paris (France), June 22-23, **1995**.

Enantioselective catalysis using imprinted materials

Dunjic B., Gamez P., Pinel C., Lemaire M.

SFC-Palaiseau 1995, Palaiseau (France), September 12-15, **1995**.

Utilization of C₂-axis diamines and diureas in asymmetric catalysis

Gamez P., Dunjic B., Fache F., Lemaire M.

SFC-Palaiseau 1995, Palaiseau (France), September 12-15, **1995**.

Molecular imprinting - Polymerized catalytic complexes in asymmetric catalysis

Locatelli E., Gamez P., Lemaire M.

4th International Symposium on Heterogeneous Catalysis and Fine Chemicals, Basel (Switzerland), September 8-12, **1996**.

New nitrogen containing ligands in asymmetric catalysis

Touchard E., Fache F., Gamez P., Lemaire M.

French-Japanese Symposium on Medicinal and Fine Chemistry XII, Deauville (France), September 22-25, **1996**.

The Copper-Catalysed Oxidative Coupling of 2,6-dimethylphenol

Gamez P., Aubel P. G., Khokhar S. S., Driessen W. L., Challa G., Reedijk J.

ADHOC '99, York (England), July 19-23, **1999**.

Copper-Catalysed Oxidative Coupling of 2,6-Dimethylphenol: Insight into its Mechanism

Gamez P., Driessen W. L., Reedijk J.

NCCC 2000, Lunteren (The Netherlands), January 17-19, **2000**.

Copper-Catalysed Oxidative Coupling of 2,6-Dimethylphenol: solvent and water effects

Gamez P., Steensma R. H., Driessen W. L., Reedijk J.

CW studiegroep Bio-Moleculaire Chemie, Lunteren (The Netherlands), March 27-28, **2000**.

Polymerization of 2,6-Dimethylphenol Using a Supramolecular Dinuclear Copper Complex as Catalyst

Gamez P., Douziche B., Schuitema A., Driessen W. L., Reedijk J.

ICCC34, Edinburgh (Scotland), July 9-14, **2000**.

Imidazole and Oxazoline Derivatives as Copper Ligands for the Oxidative Coupling of 2,6-Dimethylphenol

Gamez P., Simons C., Driessen W. L., Reedijk J.

NIOK-the Katalyseverbund NRW meeting: Frontiers in Homogeneous Catalysis, Eindhoven (The Netherlands), October 9, **2000**.

Imidazole Derivatives as Copper Ligands for the Oxidative Coupling of 2,6-Dimethylphenol

Gamez P., Simons C., Aromí G., Driessen W. L., Reedijk J.

HRSMC symposium, Leiden (The Netherlands), November 1, **2000**.

Two New Dinuclear Cu Complexes as Precursors for the Oxidative Coupling of 2,6-Dimethylphenol

Aromí G., Gamez P., Driessen W. L., Kooijman H., Spek A. L., Reedijk J.

HRSMC symposium, Leiden (The Netherlands), November 1, **2000**.

An asymmetric [Mn₃] triple-helicate from a symmetric pentadentate ligand

Aromí G., Carrero P., Gamez P., Roubeau O., Kooijman H., Spek A. L., Driessen W. L., Reedijk J.

European Mid-Term Conference on the E.S.F. Programme "MOLECULAR MAGNETS", Davos (Switzerland), March 10-15, **2001**.

Macrocyclic Copper Complexes as Selective Catalysts for the Polymerization of 2,6-Dimethylphenol

Gamez P., Steensma R. H., Driessen W. L., Reedijk J.

ICBIC-10, Florence (Italy), August 26-31, **2001**.

An Unprecedented 1D Ladder Coordination Polymer Obtained by Rational Ligand Design

Gamez P., de Hoog P., Roubeau O., Lutz M., Driessen W. L., Spek A. L., Reedijk J.

ICCC35, Heidelberg (Germany), July 21-26, **2002**.

An Unprecedented 1D Ladder Coordination Polymer Obtained by Rational Ligand Design
de Hoog P., Driessen W. L., Gamez P., Reedijk J.
Dutch Polymer Days, Lunteren (The Netherlands), February 10-11, **2003**.

Copper complexes with polyimidazole- ligands as models for copper proteins
Song Y., Gamez P., Stassen A. F., Reedijk J.
NCCC IV, Noordwijkerhout (The Netherlands), March 5-7, **2003**.

Model Complexes for Dinuclear Copper Proteins - Copper Coordination Compounds with Ligands Containing Imidazole, Pyrazole or Pyridine Moieties
Song Y., Gamez P., Reedijk J.
DD5, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Novel Dinucleating Phenol-based Compartmental Ligands in Mimics of the Type-3 Active Site
Koval I. A., Huisman M., Gamez P., Lüken M., Krebs B., Lutz M., Spek A. L., Reedijk, J.
DD5, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Crystal Engineering: A Matter of Rational Ligand Design. Applications to Supramolecular Biomimetic Catalysis
Gamez P., de Hoog P., Lutz M., Spek A. L., Reedijk J.
DD5, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Copper complexes with multi-nucleating imidazole-based ligands as models of copper proteins
Song Y., Gamez P., Stassen A, Lutz M, Spek A. L., Reedijk J.
NWO-CW, Ontwerp en Synthese, Structuur en Reactiviteit, Biomoleculaire Chemie, Lunteren (The Netherlands), October 13-15, **2003**.

μ -Hydroxo-bridged dinuclear copper(II) complex as a functional model of catechol oxidase
Koval I. A., Gamez P., Belle C., Saint-Aman E., Pierre J. -L., Reedijk J.
NCCC V, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Copper complexes of poly-imidazole ligands: unusual crystal structures and interesting dioxygen binding chemistry
Song Y., Gamez P., Reedijk J.
NCCC V, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Unprecedented coordination polymers obtained by well-designed ligands
de Hoog P., Gamez P., Reedijk J.
NCCC V, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Functional coordination polymers based on the 2,4,6-triazine moiety as building block
Gamez P., de Hoog P., Reedijk J.
IGK MIDWEEK, Didam (The Netherlands), March 24-26, **2004**.

Unprecedented coordination polymers obtained by well-designed ligands
de Hoog P., Gamez P., Reedijk J.
IGK MIDWEEK, Didam (The Netherlands), March 24-26, **2004**.

Spin-transition compounds of polypyridyl based ligands: possibility of heterometallic extended structures
Quesada M., de Hoog P., Roubeau O., Gamez P., Haasnoot J. G., Reedijk J.
IGK MIDWEEK, Didam (The Netherlands), March 24-26, **2004**.

μ -hydroxo-bridged dinuclear Cu(II) complex as a functional model of catechol oxidase
Koval I. A., Gamez P., Belle C., Saint-Aman E., Pierre J. -L., Reedijk J.
ICCC36, Mérida (México), July 18-23, **2004**.

New DNA-Interacting Heterobimetallic Copper-Platinum Complexes
Boldron C., de Hoog P., Gamez P., Sliedregt-Bol K., Pitić M., Meunier B., Reedijk, J.
EuroBIC7, Garmisch-Partenkirchen (Germany), August 29-September 2, **2004**.

Triazine Based Multidentate Ligands as Building Blocks of Supramolecular Porous Materials and Catalysts
Casellas H., Gamez P., Kozlevčar B., Golobič A., Reedijk J.
III Euchem conference on Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis, Camerino (Italy), September 8-12, **2004**.

Heterobimetallic antitumor-active complexes

de Hoog P., Boldron C., Gamez P., Sliedregt-Bol K., Pitié M., Meunier B., Reedijk J.

NWO meeting, Ontwerp en Synthese Structuur en Reactiviteit Biomoleculaire Chemie, Lunteren (The Netherlands), October 25-27, **2004**.

Copper-catalysed C–H oxidation

Gamez P., Boldron C., Reedijk J.

NCCC VI, Noordwijkerhout (The Netherlands), March 7-9, **2005**.

C–H bond oxidation catalysed by a copper complex

Boldron C., Gamez P., Reedijk J.

4èmes Journées Scientifiques de l'IMBG, Autrans (France), March 21-22, **2005**.

Nuclease activity of heterodinuclear platinum/copper complexes, a novel approach in drug design

de Hoog P., Boldron C., Gamez P., Sliedregt-Bol K., Pitié M., Meunier B., Reedijk J.

ICBIC-12, Ann Arbor (USA), July 31-August 5, **2005**.

Catechol oxidase models: kinetic studies and reaction mechanism

Koval I. A., Belle C., Semelci K., Saint-Aman E., Gamez P., Pierre J. –L., Reedijk J.

ICBIC-12, Ann Arbor (USA), July 31-August 5, **2005**.

[Na₂WO₄/H₂WO₄]-based highly efficient biphasic catalyst towards alkene epoxidation, using H₂O₂ as oxidant

Maheswari Palanisamy U., de Hoog P., Hage R., Gamez P., Reedijk J.

ADHOC-9, Köln (Germany), July 25-29, **2005**.

Biomimicking Galactose Oxidase: The Copper(II)–pyrimol model complex

Maheswari Palanisamy U., Gamez P., Reedijk J.

NCCC VII, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Iron(II)–catalyzed alkane/alkene oxidations using a rigid, bipyridine–based ligand

Lappalainen K., Gamez P., Reedijk J.

NCCC VII, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Catalytic oxidation of methyl substituted phenols

Gupta S., Gamez P., Reedijk J.

NCCC VII, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Cheap, easily prepared, tunable and bright red, green and yellow luminescent complex phosphors

Mooibroek T. J., Gamez P., Fu W. –T., Reedijk J.

NCCC VII, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Biomimicking of Galactose Oxidase by a Copper(II)–pyrimol Complex

Maheswari Palanisamy U., Gamez P., Reedijk J.

EUROBIC-8, Aveiro (Portugal), July 2-6, **2006**.

Triazine as building unit for the preparation of new magnetic materials

Quesada M., Monrabal M., Aromí G., Roubeau O., de Hoog P., Teat S. J., Gamez P., Reedijk J.

ICMM10, Victoria, B. C. (Canada), August 13-17, **2006**.

Linear arrays of paramagnetic metals assembled by bis-β-diketonate ligands

Aromí G., Gamez P., Kooijman H., Teat S. J., Roubeau O.

ICMM10 Victoria, B. C. (Canada), August 13-17, **2006**.

Copper catalyzed oxidation of *o*- or *p*alkyl- substituted phenols

Gupta S., Gamez P., van Dijk J. A. P. P., Reedijk J.

ICCC37, Cape Town (South Africa), August 13-18, **2006**.

Bipyridine-based ligands and their coordination compounds with iron(II) as oxidation or epoxidation catalysts

Lappalainen K., Ruitter G., Gamez P., Mutikainen I., Turpeinen U., Reedijk J.

ICCC37, Cape Town (South Africa), August 13-18, **2006**.

Iron(II) complexes containing bipyridine-based ligands and their catalytic activity in alkane/alkene oxidations

Lappalainen K., Ruitter G., Gamez P., Mutikainen I., Turpeinen U., Reedijk J.

ISHC15, Sun City (South Africa), August 20-25, **2006**.

Catalytic oxidation reactions of *o*- or *p*-alkyl substituted phenols using copper and N-ligands

Gupta S., Gamez P., van Dijk J. A. P. P., Reedijk J.
ISHC15, Sun City (South Africa), August 20-25, **2006**.

Electron-rich electron-poor interactions involving the 1,3,5-triazine ring

Gamez P., Mooibroek T. J., Reedijk J.
ECC1, Budapest (Hungary), August 27-31, **2006**.

DNA cleavage and cytotoxic properties of Cu(II), Fe(II), Zn(II), Ru(II) and Pt(II) complexes obtained from the novel ligand Hpyramol

Maheswari U. P., Roy S., Gamez P., Reedijk J.
ECC1, Budapest (Hungary), August 27-31, **2006**.

A new strategy in anti-cancer drug design, linkage of a platinum moiety with the nuclease active Cu-3-clip-phen

de Hoog P., Özalp-Yaman S., Gamez P., Pitié M., Reedijk J., Meunier B.
ECC1, Budapest (Hungary), August 27-31, **2006**.

Copper complexes as biomimetic models of catechol oxidase: mechanistic studies

Koval I. A., Selmezi K., Belle C., Saint-Aman E., Gamez P., Reedijk J.
ECC1, Budapest (Hungary), August 27-31, **2006**.

Multidentate Ligands for Novel Magnetic Clusters or Nano-Structured Materials

Aromí G., Barrios L. A., Roubeau O., Gamez P., Teat S. J., Ribas J.
ECMM 1, Tomar (Portugal), October 10-15, **2006**.

Design and synthesis of triazine-based units for coordination complexes

Quesada M., Monrabal M., Aromí G., Roubeau O., de Hoog P., Massera C., Teat S. J., Gamez P., Reedijk J.
ECMM 1, Tomar (Portugal), October 10-15, **2006**.

Electron-rich electron-poor interactions involving the 1,3,5-triazine ring

Mooibroek T. J., Gamez P., Reedijk J.
HRSMC Autumn School, Oegsgeest (The Netherlands), October 29-November 1, **2006**.

Unambiguous changes in DNA cleavage mechanism of Cu-3-Clip-Phen induced by the covalently coupled cisplatin moiety

de Hoog P., Pitié M., Gamez P., Meunier B., Reedijk J.
ESF-COST congress, Athens (Greece), November 13-17, **2006**.

Electron-rich electron-poor interactions involving the 1,3,5-triazine ring

Mooibroek T. J., Gamez P., Reedijk J.
HRSMC Symposium, Leiden (The Netherlands), November 30, **2006**.

Binding contact between an anion and a π -acidic ring: new type of supramolecular interactions?

Gamez P., Mooibroek T. J., Reedijk J.
NCCC VIII, Noordwijkerhout (The Netherlands), March 5-7, **2007**.

Sulfur-containing triazine-based ligands to prepare tungsten oxido coordination compounds as catalysts for oxygen-transfer catalysis

Sánchez Costa J., Gamez P., Reedijk J.
NCCC VIII, Noordwijkerhout (The Netherlands), March 5-7, **2007**.

Sulfur-containing triazine-based ligands to prepare tungsten oxidotungsten coordination compounds as catalysts for oxygen-transfer catalysis

Sánchez Costa J., Gamez P., Reedijk J.
Figipas 9, Vienna (Austria), July 4-7, **2007**.

Synthesis of coordination complexes exhibiting π anion interactions and theoretical study

Aromí G., Gamez P., Roubeau O., Quiñero D., Frontera A., Deyà P. M., Teat S. J.
Figipas 9, Vienna (Austria), July 4-7, **2007**.

Efficient [bis(imino)pyridine-iron]-catalyzed oxidation of alkanes

Tang J., Gamez P., Reedijk J.
ICBIC XIII, Vienna (Austria), July 15-20, **2007**.

Synthesis of triazine-based trifunctional radicals as catalysts for the aerobic oxidation of alcohols to the corresponding aldehydes

Lu Z., Gamez P., Reedijk J.
ICBIC XIII, Vienna (Austria), July 15-20, **2007**.

Synthesis and metal complexation of new extended tren-based ligands

Almesáker A., Reedijk J., Gamez P., Scott J., Spiccia L.
NCCC IX, Noordwijkerhout (The Netherlands), March 3-5, **2008**.

Functional group transformation in a metal-organic framework

Black C. A., Sánchez Costa J., Roubeau O., Teat S. J., Gamez P., Reedijk, J.
NCCC IX, Noordwijkerhout (The Netherlands), March 3-5, **2008**.

Synthesis of triazine-based trifunctional radicals as catalyst precursors for the Cu mediated aerobic oxidation of alcohols to the corresponding aldehydes

Lu Z., Gamez P., Reedijk J.
NCCC IX, Noordwijkerhout (The Netherlands), March 3-5, **2008**.

Development of new oxidation catalysts: What can we gain from theoretical chemistry? Illustration on a copper(II)-catalysed aerobic oxidation of primary alcohols

Michel C., Baerends E. J., Belanzoni P., Gamez P., Reedijk J.
XI^{ème} Rencontre des Chimistes Théoriciens Francophones, Dinard (France), June 30-July 4, **2008**.

Development of new oxidation catalysts: What can we gain from theoretical chemistry? Illustration on a copper(II)-catalysed aerobic oxidation of primary alcohols

Michel C., Baerends E. J., Belanzoni P., Gamez P., Reedijk J.
International Symposium on Homogeneous Catalysis XVI, Firenze (Italy), July 6-11, **2008**.

Functional group transformation in a metal-organic framework

Black C. A., Sánchez Costa J., Roubeau O., Teat S. J., Gamez P., Reedijk J.
ICCC 38, Jerusalem (Israel), July 20-25, **2008**.

New triazine-based tungsten oxo complexes as catalysts for oxygen-transfer reactions

Sánchez Costa J., Gamez P., Reedijk J.
ICCC 38, Jerusalem (Israel), July 20-25, **2008**.

Polyfunctional spin cross-over complexes based on poly(bis(2-pyridyl)amine)-1,3,5-triazine ligands

Bonnet S., Sánchez Costa J., Gamez P., Reedijk J.
ICCC 38, Jerusalem (Israel), July 20-25, **2008**.

Synthesis and characterization studies of a two-step spin-crossover mononuclear iron(II) complex with a [HS-LS-LS] intermediate phase

Bonnet S., Siegler M. A., Sánchez Costa J., Molnár G., Bousseksou A., Spek A. L., Gamez P., Reedijk J.
ICMM 2008, Florence (Italy), September 21-24, **2008**.

Mechanistic studies of the oxidative coupling polymerization of 2,6-dimethylphenol

Pievo R., Gamez P., Reedijk J., Groenen E., Huber M. I., Robertazzi A.
NCCC X, Noordwijkerhout (The Netherlands), March 2-4, **2009**.

Magnetic properties of dysprosium compounds having [Dy₄(μ₃-OH)₄] cubane core

Hongshan Ke., Patrick Gamez, Jinkui Tang
ICMM 2010, Beijing (China), October 8-12, **2010**.

Aplicaciones de la Propiedades Oxidativas de Complejos de Cobre en la Ruptura del DNA

Rosa Faustino Brissos, Natalia Zabarska, Virtudes Moreno, Patrick Gamez
VII Reunion Científica de Bioinorganica, Águilas (Spain), July 3-6, **2011**.

Assessment of bioactivities of copper(II) and zinc(II) compounds

Rosa Faustino Brissos, Silvia García, Cristina Cuscó, Ester Torrents, Alejandra Rodríguez, Patrick Gamez
COST CM1003 Workshop "Biological oxidation reactions - mechanisms and design of new catalysts", Göttingen (Germany), April 19-20, **2012**.

Electronic effects on the spin-crossover behaviours of related iron(II) coordination compounds from (*s*-triazine/2,2'-dipyridylamine)-based ligands

Nanthawat Wannarit, Sujittra Youngme, Olivier Roubeau, Simon J. Teat, and Patrick Gamez
17th International Conference on Molecular Materials (MOLMAT 2012), Barcelona (Spain), July 3-6, **2012**.

SCO Fe(II) compounds containing *s*-triazine/2,2'-dipyridylamine-based ligands

Nanthawat Wannarit, Sujittra Youngme, Olivier Roubeau, Simon J. Teat, and Patrick Gamez
40 International Conference on Coordination Chemistry (ICCC40), Valencia (Spain), September 9-13, **2012**.

Supramolecular recognition of DNA by coordination helicates

R. F. Brissos, D. Aguilà, A. -C. Morna, G. Aromí, and P. Gamez
EUROBIC11, Granada (Spain), September 12-16, **2012**.

Aggregation/Degradation of Soluble Amyloid β Oligomers and Protofibrils Mediated by Copper

S. García, C. Cuscó, R. F. Brissos, and P. Gamez
EUROBIC11, Granada (Spain), September 12-16, **2012**.

Searching for gallium bioactive compounds: a new gallium(III) as prospective antitumoral and anti-*Trypanosoma cruzi* compound

I. Machado, M. Fernández, L. Becco, R. F. Brissos, N. Zabarska, P. Gamez, F. Marques, B. Garat and D. Gambino
12th International Symposium on Metal Ions in Biology and Medicine, Punta del Este (Uruguay), March 11-13, **2013**.

Evaluación de la interacción de compuestos de cobre(II) y rutenio(II) con fibronectina y tubulina como posibles dianas quimioterapéuticas

A. Rodríguez, J. García, P. Gamez, J. Lorenzo and V. Moreno
VIII Reunión científica de bioinorgánica, Burgos (Spain), July 7-10, **2013**.

Biological characterization of new copper complexes obtained from ligands inspired by Hpyrimol

R. F. Brissos, E. Torrents, P. Gamez and E. de Paula Silveira-Lacerda
VIII Reunión científica de bioinorgánica, Burgos (Spain), July 7-10, **2013**.

Complejos de cobre(II) con ligandos derivados de 2,2':6',2''-terpiridina. Estudio de su interacción con el DNA

A. Caubet, J. Grau, P. Gamez and O. Roubeau
VIII Reunión científica de bioinorgánica, Burgos (Spain), July 7-10, **2013**.

Design of photoswitchable Pt(II) and Ru(II) complexes as potential antitumoral agents

A. Presa, P. Gamez, I. Borilovic and O. Roubeau
9th International School of Organometallic Chemistry, Camerino (Italy), August 30-September 3, **2013**.

Interaction of metallo-supramolecular complexes with DNA structures

R. F. Brissos, D. Aguilà, B. J. Riol, L. Barrios, G. Aromí, P. Gamez
1st International Symposium on Functional Metal Complexes that Bind to Biomolecules, Barcelona (Spain), September 9-10, **2013**.

Synthesis, characterization and DNA-binding properties of Pd(II) and Pt(II) Compounds

A. Caubet, C. Renau, P. Gamez and O. Roubeau
1st International Symposium on Functional Metal Complexes that Bind to Biomolecules, Barcelona (Spain), September 9-10, **2013**.

DNA-interacting coordination compounds based on photoswitchable ligands

A. Presa, P. Gamez, I. Borilovic, O. Roubeau
1st International Symposium on Functional Metal Complexes that Bind to Biomolecules, Barcelona (Spain), September 9-10, **2013**.

Single-crystal-to-single-crystal transformations of a 3D zinc(II) metal-organic framework triggered by guest exchange

A. Cheansirisomboon, S. Youngme, P. Gamez
5th International Symposium on Advanced Micro- and Mesoporous Materials, Golden Sands (Bulgaria), September 6-9, **2013**.

DNA damaging and anticancer activities of copper(II) complexes containing amidino-*O*-methylurea

A. Meenongwa, R. F. Brissos, P. Gamez, Y. Trongpanich, U. Chaveerach
RGJ Seminar Series XCVIII, Khon Kaen (Thailand), September 13, **2013**.

Evaluation of the interaction of copper(II) and ruthenium(II) compounds with fibronectin and tubulin proteins: two potential chemotherapeutic targets

A. Rodriguez, J. García, P. Gamez, J. Lorenzo, V. Moreno
The European Cancer Congress 2013, Amsterdam (The Netherlands), September 27-October 1, **2013**.

Preliminary radiochemical studies of ^{64}Cu -labelled 2-*tert*-butyl-6-(pyridine-2-yl-hydrazone)methyl phenol (HL-1)
Dominik Kludkiewicz, Michal Maurin, Piotr Garnuszek, Anne-Katrin Bachon, Patrick Gamez, Renata Mikolajczak
2nd International Symposium on Functional Metal Complexes that Bind to Biomolecules, Zurich (Switzerland), August 22-23, **2014**.

Peptide-based chelating drugs in diagnosis and treatment of Alzheimer's disease
Caballero A. B., Fuster C., Nicolás E., García J., Gamez P.
12th European Biological Inorganic Chemistry Conference, Zurich (Switzerland), August 24-28, **2014**.

DNA-interacting photoswitchable metal complexes based on dithienyl-cyclopentene ligands
Presa A., Vázquez G., Borilovic I., Roubeau O., Gamez P.
12th European Biological Inorganic Chemistry Conference, Zurich (Switzerland), August 24-28, **2014**.

Targeting DNA structures using metallosupramolecular complexes
Brissos R. F., Aguilà D., Darawshah M., Barrios L., Roubeau O., Aromí G., Gamez P.
12th European Biological Inorganic Chemistry Conference, Zurich (Switzerland), August 24-28, **2014**.

Synthesis, characterization and DNA interaction study of some copper(II) complexes with substituted terpyridine ligands
Caubet A., Grau J., Gamez P., Roubeau O.
12th European Biological Inorganic Chemistry Conference, Zurich (Switzerland), August 24-28, **2014**.

Development of analytical methods for investigation of new ^{64}Cu (II) complex with HL-1 – Potential anticancer agent
Kludkiewicz D., Maurin M., Garnuszek P., Bachon A. –K., Gamez P., Mikolajczak R.
TERACHEM 2014, Bressanone (Italy), September 10-13, **2014**.

Metal-based DNA-interacting agents from photoswitching ligands
Vázquez G., Presa A., Gamez P.
Annual meeting of the French BioInorganic Chemistry group (FrenchBIC), Anglet (France), September 28-October 1, **2014**.

Photoswitchable metal complexes: design and DNA binding properties
Presa A., Borilovic I., Roubeau O., Gamez, P.
Annual meeting of the French BioInorganic Chemistry group (FrenchBIC), Anglet (France), September 28-October 1, **2014**.

Interruptores moleculares de Pt(II) como nuevos agentes citotóxicos
A. Presa, R. F. Brissos, A. B. Caballero, I. Borilovic, L. Korrodi-Gregorio, R. Perez-Tomas, O. Roubeau, P. Gamez
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.

Compuestos de Pd(II) i Pt(II) con (*E*)-4-metil-2-((piridin-2-ilmetil)amino)fenol. Estudio de su interacción con el ADN
Amparo Caubet, Jordi Molas, Patrick Gamez, Olivier Roubeau
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.

Síntesis de péptidos multifuncionales con potencial terapéutico frente a la enfermedad de Alzheimer
Guillem Vazquez, Macarena Duran, Helder Oliveira, Ana B. Caballero, Ernesto Nicolas, Patrick Gamez
IX Reunión científica de bioinorgánica, Cádiz (Spain), June 14-17, **2015**.

X-ray Diffraction Studies on Molecular Structure and Structural Changing of Spin-crossover Iron(II) Complex
Nanthawat Wannarit, Patrick Gamez
Pure and Applied Chemistry International Conference 2016 - PACCON 2016, Bangkok (Thailand), February 9-11, **2016**.

New approaches to target the copper imbalance and toxicity in the brain affected by Alzheimer's disease
Ana B. Caballero, Guillem Vázquez, Ernesto Nicolás and Patrick Gamez
ICCC42, Brest (France), July 3-8, **2016**.

Solution Chemistry of Pt(II) Complexes with (*E*)-4-Methyl-2-((pyridin-2-yl-methylene)amino)phenol (Hpyrimol)
A. Caubet, J. Molas, M. Martínez, and P. Gamez
13th European Biological Inorganic Chemistry Conference, Budapest (Hungary), August 28-September 1, **2016**.

Detection of beta-amyloid aggregates with fluorescent copper(II)-chelating peptides
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez
II Workshop on Chemistry of Group 11 Elements, Barcelona (Spain), January 26-27, **2017**.

Design of Anti-Alzheimer's Disease Theranostics: Fluorescent Chelating Peptides
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez
14th International Symposium on Applied Bioinorganic Chemistry, Toulouse (France), June 7-10, **2017**.

Surface-engineered gold nanoparticles to inhibit beta-amyloid aggregation

Ana B. Caballero, Alba Espargaró, Guillem Vázquez, Raimon Sabaté and Patrick Gamez
14th *International Symposium on Applied Bioinorganic Chemistry*, Toulouse (France), June 7-10, **2017**.

Síntesis, caracterización y estudios biológicos de complejos metálicos con la benzilimina de la piridina (*E*)-*N*-benzil-1-(piridin-2-il)metanimina

Amparo Caubet, Jordi Grau, Ana B. Caballero, Patrick Gamez and Julia Lorenzo
X Reunión Científica de Bioinorgánica (BioBilbao2017), Bilbao (Spain), July 9-12, **2017**.

Cu(II)-ATCUN complexes: are they catalyzers or protective against oxidative damage?

Ana B. Caballero, Silvia Mena, Olga Irazo, Helen Walshe, Gonzalo Guirado, Patrick Gamez
16th Iberian Peptide Meeting - 4th ChemBio Group Meeting, Barcelona (Spain), February 5-7, **2018**.

Interaction of environment-sensitive naphthalimido peptides with β -amyloid aggregates

Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás, Raimon Sabaté and Patrick Gamez
16th Iberian Peptide Meeting - 4th ChemBio Group Meeting, Barcelona (Spain), February 5-7, **2018**.

Amyloid Pan-Inhibitors: Can a Single Compound Treat All Conformational Diseases?

Caterina Pont Masanet, Alba Espargaró, Patrick Gamez, Diego Muñoz-Torrero, Raimon Sabaté
2nd Molecules Medicinal Chemistry Symposium, Barcelona (Spain), May 15-17, **2019**.

Antitumor Activity of Ru-Arene Complexes with 1-Pyrenylphosphines

Laia Rafols, Vanessa Soto-Cerrato, Ricardo Pérez-Tomás, Arnald Grabulosa, Patrick Gamez
2nd Molecules Medicinal Chemistry Symposium, Barcelona (Spain), May 15-17, **2019**.

Activitat antitumoral de complexes de ruteni(II)-arè amb 1-pirenilfosfines

Laia Rafols, Arnald Grabulosa, Patrick Gamez
Masterquímica XV, Universitat de Barcelona, Barcelona (Spain), May 28-30, **2019**.

Nanopartícules com a vector pel tractament de la toxicitat vinculada a la proteïna β -amiloide en la malaltia d'Alzheimer

Jan Romano-deGea, Ana B. Caballero, Patrick Gamez
Masterquímica XV, Universitat de Barcelona, Barcelona (Spain), May 28-30, **2019**.

Ru(II)-Arene Complexes with 1-Pyrenylphosphines as Antitumoral Agents

Laia Rafols, Arnald Grabulosa, Patrick Gamez
International School on Organometallic Chemistry "Marcial Moreno Mañas", Castellón (Spain), June 12-14, **2019**.

New Ru(II)-Arene Complexes with a Bulky 1-Pyrenylphosphine as Antitumoral Agents

Laia Rafols, Patrick Gamez, Arnald Grabulosa
Metals in Medicine, Chimie ParisTech, PSL University, Paris (France), November 14-15, **2019**.

Exploring A Nanoparticle-Based Formulation Of An Iridium Complex For Photodynamic Therapy Of Cancer

Ana Belén Caballero
IN2UB Annual Meeting 2021, Barcelona (Spain), Octubre **2021**.

New Cathecol Derivatives with beta-Amyloid Antiaggregating Effect as Potential Anti-Alzheimer Agents

Ana Belén Caballero, Patrick Gamez
VIII Symposium of Medicinal Chemistry Young Researchers, Barcelona (Spain), June, **2022**.

Novel Ruthenium(II) complexes with exceptional photochemical and photobiological properties as photodynamic anticancer agents

Piedad Herrera-Ramírez, Patrick Gamez
XXXVIII biennial meeting of the Spanish Royal Society of Chemistry (RSEQ), Granada (Spain), June 37-30, **2022**.

Ruthenium(II) complexes as photosensitizers for photodynamic therapy (PDT) with blue light activation: Photochemical properties and DNA binding

Piedad Herrera-Ramírez, Patrick Gamez
XII Reunión Científica de Bioinorgánica (BioMadrid2022), Madrid (Spain), July 11-13, **2022**.

Promising Anti-Alzheimer Cathecol Derivatives with beta-Amyloid Antiaggregating Effect

Ana Belén Caballero, Patrick Gamez
VIII Symposium of Medicinal Chemistry Young Researchers. Barcelona (Spain), June, **2022**.

Ligand photoejection and cytotoxic behaviour of 2,2'-dipyridylamine-containing ruthenium(II) polypyridyl complexes as photosensitizers in photoactivated chemotherapy (PACT)

Piedad Herrera-Ramírez, Patrick Gamez, Ana Belén Caballero

XIII Reunión Científica de Bioinorgánica (BioGranada2023), Granada (Spain), June 5-7, **2023**.

Evaluation of ruthenium(II) polypyridyl complexes as photoactivated anticancer agents: Ligand photoejection and related photochemical and biological properties

Piedad Herrera-Ramírez, Sarah Berger, Patrick Gamez and Ana B. Caballero

16th International Symposium on Applied Bioinorganic Chemistry (16-ISABC), Ioannina (Greece), June 11-14, **2023**.

DNA interactions and antitoxoplasma activity of coordination compounds with 5-nitroimidazoles

R. Navarro-Peñaloza, J. Anacleto-Santos, N. Rivera-Fernández, A. B. Caballero, P. Gamez, N. Barba-Behrens

16th International Symposium on Applied Bioinorganic Chemistry (16-ISABC), Ioannina (Greece), June 11-14, **2023**.