

PAPERS 2009

AUTHOR	TITLE	JOURNAL	VOLUME	ISSUE	PAGES
F.S. Delgado, F.J. Lahoz, F. Lloret, M. Julve, C. Ruiz-Pérez	Supramolecular networks in copper(II) malonate complexes	Cryst. Growth & Design	8	9	3219-3232
A. Álvarez, R. Macías, J. Bould, C. Cunchillos, F.J. Lahoz, L.A. Oro	Alkyne-Promoted H ₂ Loss in a Metallaborane: Nido-to-Closo Cluster Transformation and sp	Chem. Eur. J.	15	22	5428-5431
D. Carmona, M.P. Lamata, F. Viguri, R. Rodríguez, F.J. Lahoz, M.J. Fabra, L.A. Oro	Asymmetric 1,3-dipolar cycloaddition reaction of alpha, beta-unsaturated nitriles with nitrones catalyzed by chiral-at-metal rhodium or iridium complexes	Tetrahedron-Asymmetry	20	10	1197-1205
P.J. Alonso, O. Benedí, M.J. Fabra, F.J. Lahoz, L.A. Oro, J. Pérez-Torrente	Synthesis of Tetranuclear Rhodium and Iridium Complexes Directed by 6-Mercaptopyridin-2-ol: Electrochemical Behavior, Chemical Oxidation, and Coordination Chemistry	Inorg. Chem.	48	16	7984-7993
M.V. Jiménez, J.J. Pérez-Torrente, M.I. Bartolomé, E. Vispe, F.J. Lahoz, L.A. Oro	Cationic Rhodium Complexes with Hemilabile Phosphine Ligands as Polymerization Catalyst for High Molecular Weight Stereoregular Poly(phenylacetylene)	Macromolecules	42	21	8146-8156
J. Pérez-Torrente, M.V. Jiménez, M.A. Hernández-Gruel, M.J. Fabra, F.J. Lahoz, L.A. Oro	On the Synthesis and Chemical Behaviour of the Elusive Bis(hydrosulfido)-Bridged Dinuclear Rhodium(I) Complexes $\{[\text{Rh}(\mu\text{-SH})(\text{CO})(\text{PR}_3)]_2\}$	Chem. Eur. J.	15	45	12212-12222
G. Goñi, B. Herguedas, M. Hervás, J.R. Peregrina, M.A. de la Rosa, C. Gómez-Moreno, J.A. Navarro, J.A. Hermoso, M. Martínez-Júlvez and M. Medina	Flavodoxin: A compromise between efficiency and versatility in the electron transfer from Photosystem I to Ferredoxin-NADP ⁺ reductase	Biochimica et Biophysica Acta	1787		144-154
A. Bortoloti, I. Pérez-Dorado, G. Goñi, M. Medina, J.A. Hermoso, N. Carrillo and N. Cortez	Coenzyme binding and hydride transfer in Rhodobacter capsulatus ferredoxin/flavodoxin NADP(H) oxidoreductase	Biochimica et Biophysica Acta (BBA) - Proteins & Proteomics	1794		199-210

C. Carrasco-López, C. Godoy, B. de las Rivas, G. Fernandez-Lorente, J.M. Palomo, J.M. Guisán, R. Fernández-Lafuente, M. Martínez-Ripoll and J.A. Hermoso	Activation of bacterial thermoalkalophilic lipases is spurred by dramatic structural rearrangements	Journal of Biological Chemistry	284		4365-4372
R. Molina, A. González, M. Stelzer, I. Pérez-Dorado, R. Kahn, M. Morales, S. Campuzano, N.E. Campillo, S. Mobashery, J.L. García, P. García and J.A. Hermoso	Crystal structure of CbpF, a bifunctional choline-binding protein and autolysis regulator from <i>Streptococcus pneumoniae</i>	EMBO Reports	10		246-251
J.R. Peregrina, B. Herguedas, J.A. Hermoso, M. Martínez-Júlvez and M. Medina	Protein Motifs Involved in Coenzyme Interaction and Enzymatic Efficiency in <i>Anabaena</i> Ferredoxin–NADP+ Reductase	Biochemistry	48		3109-3119
R. Molina, M. Stelzer, R. Kahn and J.A. Hermoso	Characterization of gadolinium complexes for SAD phasing in macromolecular crystallography: application to CbpF	Acta Crystallographica	D65		823-831
I. Acebrón, J.A. Curiel, B. de las Rivas, R. Muñoz, J. M. Mancheño	Cloning, production, purification and preliminary crystallographic analysis of a glycosidase from the food lactic acid bacterium <i>Lactobacillus plantarum</i> CECT 748T	Protein Expression and Purification	68		177-182
N. Cremades, A. Velázquez-Campoy, M. Martínez-Júlvez, J.L. Neira, I. Pérez-Dorado, J.A. Hermoso, P. Jiménez, A. Lanas, P.S. Hoffman and J. Sancho	Discovery of specific flavodoxin inhibitors as potential therapeutic agents against <i>Helicobacter pylori</i> infection	ACS Chemical Biology	4		928-938
C. Alvarez, J.M. Mancheño, D. Martínez, M. Tejuca, F. Pazos and M.E. Lanio	Sticholysins, two pore-forming toxins produced by the Caribbean Sea anemone <i>Stichodactyla helianthus</i> : their interaction with membranes	Toxicon	54		1135-1147
H. Rodriguez, J.A. Curiel, J.M. Landete,	Food phenolics and lactic acid bacteria	International Journal of Food Microbiology	132		79-90

B. de las Rivas, F. López de Felipe, C. Gómez-Cordovés, J.M. Mancheño and R. Muñoz					
J.A. Curiel, H. Rodríguez, I. Acebrón, J.M. Mancheño, B. de Las Rivas and R. Muñoz	Production and physicochemical properties of recombinant <i>Lactobacillus plantarum</i> tannase	Journal of Agricultural and Food Chemistry	57		6224-6230
B. de Las Rivas, G.C. Fox, I. Angulo. M. Martínez-Ripoll, H. Rodríguez, R. Muñoz and J.M. Mancheño	Crystal structure of the hexameric catabolic ornithine transcarbamylase from <i>Lactobacillus hilgardii</i> : Structural insights into the oligomeric assembly and metal binding	Journal of Molecular Biology	393		425-434
J.L. Baeza, G. Gerona-Navarro, K. Thompson, M.J. Prez de Vega, L. Infantes, M.T. Garca-Lopez, R. Gonzalez-Muñiz and M. Martin-Martínez	Further Evidence for 2-Alkyl-2-carboxyazetidines as γ -Turn Inducers	Journal of Organic Chemistry	74		8203-8211
Rodríguez H, Angulo I, de Las Rivas B, Campillo N, Páez JA, Muñoz R, Mancheño JM.	p-Coumaric acid decarboxylase from <i>Lactobacillus plantarum</i> : Structural insights into the active site and decarboxylation catalytic mechanism	Proteins: Structure, Function, and Bioinformatics			
E. Delgado, E. Hernández, B. Hernández, A. Nieves, A. Martín	Ferrole-type compounds containing thiophenic or thiepinic rings in the 3,4-positions of the metallacycle	J. Organomet. Chem.	694		57-62
J. J. Carbó, O. González-del Moral, A. Martín, M. Mena, J.-M. Poblet, C. Santamaría	Hydrogen-transfer processes involving an organotitanium oxide and alcohols	Eur. J. Inorg. Chem			643-653
M. García-Castro, A. Martín, M. Mena, C. Yélamos	Molecular nitrides with titanium and group 13-15 elements	Organometallics	15		7180-7191
Alba, P. Gomez-Sal, R.Rios, A. Moyano.	Organocatalytic kinetic resolution of a planar-chiral ferrocenecarbaldehyde	Tetrahedron:Asymmetry			1314-
C. García, M. Gómez , P. Gómez-Sal, J. M.Hernández	Monocyclopentadienyl(niobium) Compounds with Imido and Silsesquioxane Ligands: Synthetic,	Eur. J. Inorg. Chem			4401-4415

	Structural and Reactivity Studies				
A. Sánchez-Méndez, E. de Jesús, J. C. Flores, P. Gómez-Sal	Fréchet-Type Pallado-Dendrimers Containing Bis(pyrazolyl)methane Ligands	Eur. J. Inorg. Chem			141-151
Postigo, Lorena; Sanchez-Nieves, Javier; Royo, Pascual; Mosquera, Marta E. G	Dinuclear dialkoxo-bridged cyclopentadienylsiloxo titanium complexes	Dalton Transactions,			3756-3765
Sanz, Martial; Mosquera, Marta E. G.; Cuenca, Tomas	Novel dinuclear dimethylamido-3,5- dimethylpyrazolato and tetranuclear dimethylamido-3,5- dimethylpyrazolato-polyoxo zirconium(IV) complexes. Synthesis and structural characterisation	Dalton Transactions,			2616-2622
Tabernero, Vanessa; Cuenca, Tomas; Mosquera, Marta E. G.; Ramirez de Arellano, Carmen	Early transition metal derivatives stabilised by the phenylenediamido 1,2-C ₆ H ₄ (NCH ₂ tBu) ₂ ligand: Synthesis, characterisation and reactivity studies: Crystal structures of [Ta{1,2- C ₆ H ₄ (NCH ₂ tBu) ₂ } ₂ Cl] and [Zr{1,2- C ₆ H ₄ (NCH ₂ tBu) ₂ } ₂ (NMe ₂)(μ- NMe ₂)] ₂	Polyhedron	28	13	2545-2554
Javier Ruiz, Marta P. Gonzalo, Marilín Vivanco, Roberto Quesada, Marta E. G. Mosquera	Synthesis and reactivity of diphosphine metal complexes bearing peripheral ketenimine functionalities	Dalton Transactions		9280- 9290	
Jorge J. Carbó, Noelia Martínez-Espada, Miguel Mena, Marta E. G. Mosquera, Josep-M. Poblet, and Carlos Yélamos	Lewis Base Behavior of Bridging Nitrido Ligands of Titanium Polynuclear Complexes	Chem. Eur. J.	15		11619 –11631
Paniagua, Cristina; Mosquera, Marta E. G.; Jacobsen, Heiko; Jimenez, Gerardo; Cuenca, Tomas	M-Cl/Si-Cl Preferential Reactivity in Chlorosilyl-Substituted Cyclopentadienyl Early Transition Metal Complexes in Reactions with Amines: Key to Understanding the Nature of the Final Product	Organometallics			6975-6980
I. Alkorta, M. Alvarado, J. Elguero, S. García-Granda, P. Goya, L. Torre- Fernández and L. Menéndez-Taboada	Structural Study of Diarylazoles Related to Rimonabant	JOURNAL OF MOLECULAR STRUCTURE	920	1	82-89

I. Alkorta, M. Alvarado, J. Elguero, S. García-Granda, P. Goya, M. L. Jimeno and L. Menéndez-Taboada	The Structure of Rimonabant in the solid state and in solution: an experimental and theoretical study	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	44	5	1864-1869
I. Alkorta, P. Goya, R. Pérez-Fernández, M. Alvarado, J. Elguero, S. García-Granda and L. Menéndez-Taboada	The structure of two pyrazole esters related to Rimonabant	JOURNAL OF MOLECULAR STRUCTURE	937	1	oct-15
P. Ona-Burgos, I. Fernandez, L. Roces, L. Torre-Fernandez, S. García-Granda, F. L. Ortiz	An Unprecedented Phosphinamidic Gold(III) Metallocycle: Synthesis via Tin(IV) Precursors, Structure, and Multicomponent Catalysis	ORGANOMETALLICS	28	6	1739-1747
J. A. Cabeza, J. F. Van der Maelen, S. García-Granda	Topological Analysis of the Electron Density in the N-Heterocyclic Carbene Triruthenium Cluster [Ru ₃ (μ-H) ₂ (μ ₃ -MeImCH)(CO) ₉] (Me ₂ IM=1,3-dimethylimidazol-2-ylidene)	ORGANOMETALLICS	28	13	3666-3672
A.Gonzalez-Alvarez, I. Alfonso, J. Cano, P. Diaz, V. Gotor, V. Gotor-Fernandez, E. Garcia-Espana, S. García-Granda, H. R. Jimenez, F. Lloret	A Ferromagnetic [Cu ₃ (OH) ₂](4+) Cluster Formed inside a Tritopic Nonaazapyridinophane: Crystal Structure and Solution Studies	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	48	33	6055-6058
J. M. Concellon, P. Tuya, V. del Solar, S. García-Granda, M. R. Diaz	Efficient and Highly Selective Synthesis of Enantiopure cis-or trans-3,4-Disubstituted 1,2,3,4Tetrahydroisoquinolines Record contains structures	ORGANIC LETTERS	11	16	3750-3753
E. Busto, V. Gotor-Fernandez, J. Montejo-Bernardo, S. García-Granda, V. Gotor	Development of a chemoenzymatic strategy for the synthesis of optically active and orthogonally protected polyamines Record contains structures	TETRAHEDRON	65	40	8398-8401
A. I. Orlova, V. Y. Volgutov, G. R. Castro, S. García-Granda, S. A. Khainakov, J. R. Garcia	Synthesis and Crystal Structure of NZP-Type Thorium-Zirconium Phosphate	INORGANIC CHEMISTRY	48	19	9046-9047

J. M. Concellon, H. Rodriguez-Solla, E. G. Blanco, M. A. Villa-Garcia, N. Alvaredo, S. García-Granda, M. R. Diaz	Highly Stereoselective Halocyclopropanation of alpha,beta-Unsaturated Amides Record contains	ADVANCED SYNTHESIS & CATALYSIS	351	13	2185-2198
J. M. Concellon, H. Rodriguez-Solla, C. Simal, V. del Amo, S. García-Granda, M. R. Diaz	The Addition Reaction of Samarium Enolates and 2-Haloenolates Derived from Esters, and Amides to Imines. Totally Stereoselective Synthesis of Enantiopure 3,4-Diamino Esters or Amides	ADVANCED SYNTHESIS & CATALYSIS	351	17	2991-3000
Z. Amghouz, L. Roces, S. García-Granda, J.R. García, B. Souhail, L. Mafra, F. Shi, J. Rocha	Yttrium succinates coordination polymers: synthesis, crystal structure and thermal decomposition	JOURNAL OF SOLID STATE CHEMISTRY	182	12	3365-3373
J. A. Cabeza, I. del Río, E. Pérez-Carreño, M. G. Sánchez-Vega, and D. Vázquez-García	A Simple Preparation of Pyridine-Derived N-Heterocyclic Carbenes and Their Transformation into Bridging Ligands by Orthometalation	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	48	3	555 –558
J. A. Cabeza, I. del Río, J. M. Fernández-Colinas, E. Pérez-Carreño, M. G. Sánchez-Vega, and D. Vázquez-García	Reactivity of $[Ru_4(\mu-H)_4(CO)_{12}]$ with N-Heterocyclic Carbenes	ORGANOMETALLICS	28	6	1832-1837
J. A. Cabeza, I. del Río, M. C. Goite, E. Pérez-Carreño and Vanessa Pruneda	Cationic Heterocycles as Ligands: Synthesis and Reactivity with Anionic Nucleophiles of Cationic Triruthenium Clusters Containing C-Metalated N-Methylquinoxalinium or N-Methylpyrazinium Ligands	CHEMISTRY EUROPEAN JOURNAL	15	30	7339-7349
J. A. Cabeza, J. M. Fernández Colina and E. Pérez-Carreño	DFT Mechanistic Study of the Transformation of Cyclohexa-1,3-diene into a Bridging Allyl Ligand upon Reaction with a Triruthenium Hydrido Carbonyl Cluster	ORGANOMETALLICS	28	14	4217-4220
N. Barros, B. Ramajo, J.R. García	The effect of solid-liquid effluents from anaerobic digesters on soilmicrobial activity. A calorimetric study	JOURNAL OF THERMAL ANAYSIS AND CALORIMETRY	95	3	831-835
S. Arias, M.M. Prieto, B. Ramajo-Escalera, A. Espina, J.R. García	Model-free kinetics applied to the vaporization of caprylic acid	JOURNAL OF THERMAL ANAYSIS AND CALORIMETRY	98	2	457-462

B. Ramajo, A. Espina, N. Barros, J.R. García	Thermal and thermo-oxidative decomposition of ammonium-iron(II) phosphate monohydrate	THERMOCHIMICA ACTA	487	2	60-64
C. Casado, Z. Amghouz, J.R. García, K. Boulahya, J.M. González-Calbet, C. Téllez, J. Coronas	Synthesis and characterization of microporous titanosilicate ETS-10 obtained using different Ti sources	MATERIALS RESEARCH BULLETIN	44	6	1225-1231
S.A. Kirillov, V.S. Aleksandrova, T.V. Lisnycha, D.I. Dzanashvili, S.A. Khainakov, J.R. García, N.M. Visloguzova, O.I. Pendelyuk	Oxidation of synthetic hausmannite (Mn ₃ O ₄) to manganite (MnOOH)	JOURNAL OF MOLECULAR STRUCTURE	928	1	89-94
A. Fernández-González & J. M. Montejo-Bernardo	Natural Logarithm Derivative Method: A novel and easy methodology for finding maximums in overlapping experimental peaks	SPECTROCHIM. ACTA	A74		714-718
Gandara, F; De La Peña O'Shea, V; Illas, F; Snejko, N; Proserpio, D; Gutierrez-Puebla, E; Monge, A	Three Lanthanum MOF Polymorphs: Insights into Kinetically and Thermodynamically Controlled Phases	Inorganic Chemistry	48	11	4707-4713
Perles, J; Snejko, N; Iglesias, M; Monge, MA	3D scandium and yttrium arenedisulfonate MOF materials as highly thermally stable bifunctional heterogeneous catalysts	Journal of Materials Chemistry	19		6504-6511
Gandara, F; Gomez-Lor, B; Iglesias, M; Snejko, N; Gutierrez-Puebla, E; Monge, A	A new scandium metal organic framework built up from octadecasil zeolitic cages as heterogeneous catalyst	Chem. Commun.			2393-2395
Gandara, F; Puebla, EG; Iglesias, M; Proserpio, DM; Snejko, N; Monge, MA	Controlling the Structure of Arenedisulfonates toward Catalytically Active Materials	Chem. Mater.	21		655-661
Bernini, MC; Gandara, F; Iglesias, M; Snejko, N; Gutierrez-Puebla, E; Brusau, EV; Narda, GE; Monge, MA	Reversible Breaking and Forming of Metal-Ligand Coordination Bonds: Temperature-Triggered Single-Crystal to Single-Crystal Transformation in a Metal-Organic Framework	Chem-Eur. J.	15		4896-4905
Fernandez, R;	Structural Analysis of Zincocenes	Chem-Eur. J.	15		924-935

Grirrane, A; Resa, I; Rodriguez, A; Carmona, E; Alvarez, E; Gutierrez-Puebla, E; Monge, A; del Amo, JML; Limbach, HH; Lledos, A; Maseras, F; del Rio, D	with Substituted Cyclopentadienyl Rings				
Garcia-Frutos, EM; Gutierrez-Puebla, E; Monge, MA; Ramirez, R; de Andres, P; de Andres, A; Ramirez, R; Gomez-Lor, B	Crystal structure and charge-transport properties of N-trimethyltriindole: Novel p-type organic semiconductor single crystals	Org. Electron.	10		643-652
Koshevoy, IO; Gutierrez-Puebla, E; Lahuerta, P; Monge, A; Ubeda, MA; Sanau, M	Isolation of enantiomerically pure organometallic palladium compounds: synthesis of the triangles prepared from enantiopure [cis-Pd-2(C6H4PPh2)(2)(NCCH3)(4)]	Dalton Trans			2993-2998
Camara-Artigas, A.; Andujar-Sanchez, M.; Ortiz-Salmeron, E.; Cuadri, C.; Casares, S.	The effect of a proline residue on the rate of growth and the space group of [alpha]-spectrin SH3-domain crystals	Acta Crystallographica Section D	65		1247
Rosa , E. E.; José, J.; Btissam, B.; Noelia, F.; Miguel, P.; Duane, C.-L.; Juan , M. G.-R.; Rafael, R.; Andreas, G.; Juan , M. C.; Oltra, J. E.	Ti-Catalyzed Barbier-Type Allylations and Related Reactions	Chemistry - A European Journal	15		2774
Carlucci, L.; Ciani, G.; Garcia-Ruiz, J. M.; Moret, M.; Proserpio, D. M.; Rizzato, S.	Crystallization Behavior of Coordination Polymers. 1. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl2 Systems	Crystal Growth & Design	9		5024
Gavira, J. A.; Garcia-Ruiz, J. M.	Effects of a Magnetic Field on Lysozyme Crystal Nucleation and Growth in a Diffusive Environment	Crystal Growth & Design	9		2610
Howard, E. I.; Fernandez, J. M.; Garcia-Ruiz, J. M.	On the Mixing of Protein Crystallization Cocktails	Crystal Growth & Design	9		2707
Iafisco, M.; Marchetti, M.; Morales, J. G.; Hernandez-Hernandez, M. A.; Ruiz, J. M. G.; Roveri,	Silica Gel Template for Calcium Phosphates Crystallization	Crystal Growth & Design	9		4912

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Melero-Garcia, E.; Santisteban-Bailon, R.; Garcia-Ruiz, J. M.	Role of Bulk pH during Witherite Biomorph Growth in Silica Gels	Crystal Growth & Design	9		4730
Van Driessche, A. E. S.; Sasaki, G.; Dai, G. L.; Otalora, F.; Gavira, J. A.; Matsui, T.; Yoshizaki, I.; Tsukamoto, K.; Nakajima, K.	Direct Observation of Adsorption Sites of Protein Impurities and Their Effects on Step Advancement of Protein Crystals	Crystal Growth & Design	9		3062
Rodríguez-Diéguez, A.; Mota, A. J.; Cano, J.; Ruiz, J.; Choquesillo-Lazarte, D.; Colacio, E.	Structure, magnetism and DFT studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand	Dalton Trans.			6335
Van Driessche, A. E. S.; Gavira, J. A.; Patiño Lopez, L. D.; Otalora, F.	Precise protein solubility determination by Laser confocal differential interference contrast microscopy	Journal of Crystal Growth	311		3479
Vergara, A.; Castagnolo, D.; Carotenuto, L.; Vitagliano, L.; Berisio, R.; Sorrentino, G.; González-Ramírez, L.; García-Ruiz, J.; Zagari, A.	Phase behavior and crystallogenesi s under counter-diffusion conditions of the collagen-model peptide (Pro-Pro-Gly)	Journal of Crystal Growth	311		304
Delgado, J. M.; Blanco, R.; Orts, J. M.; Peláez, J. M.; Rodes, A.	DFT and In-Situ Spectroelectrochemical Study of the Adsorption of Fluoroacetate Anions at Gold Electrodes	The Journal of Physical Chemistry C	113		989
Martínez-Rodríguez, S.; Martínez-Gómez, A. I.; Clemente-Jiménez, J. M.; Rodríguez-Vico, F.; García-Ruiz, J. M.; Las Heras-Vázquez, F. J.; Gavira, J. A.	Structure of dihydropyrimidinase from <i>Sinorhizobium meliloti</i> CECT4114: New features in an amidohydrolase family member	Journal of Structural Biology	169		200
Penteriani, V.; Ferrer, M.; Otalora, F.; Delgado, M. D.	When individuals senesce: the 'Florida effect' on stable populations of territorial, long-lived birds	Oikos	118		321
Otálora, F.; Gavira, J. A.; Ng, J. D.; García-Ruiz, J. M.	Counterdiffusion methods applied to protein crystallization	Progress in Biophysics and Molecular Biology	101		26

Garcia-Ruiz, J. M.; Melero-Garcia, E.; Hyde, S. T.	Morphogenesis of Self-Assembled Nanocrystalline Materials of Barium Carbonate and Silica	Science	323		362
L. Sanglas, F.X. Avilés, R. Huber, F.X. Gomis- Rüth & J.L. Arolas	Mammalian metallopeptidase inhibition at the defense barrier of Ascaris parasite.	Proc. Natl. Acad. Sci. USA	106		1743-1747
F.X. Gomis-Rüth	Catalytic domain architecture of metzincin metalloproteases.	J. Biol. Chem.	284		15353-15357
H. Wójtowicz, T. Guevara, C. Tallant, M. Olczak, A. Sroka, J. Potempa, M. Solà, T. Olczak & F. X. Gomis- Rüth	Unique structure and stability of HmuY, a novel heme-binding protein of Porphyromonas gingivalis.	PLoS Pathog.	5		E1000419
D.R. Boer, J.A. Ruíz- Masó, J.R. López- Blanco, A.G. Blanco, M. Vives-Llàcer, P. Chacón, I. Usón, F. X. Gomis-Rüth, M. Espinosa, O. Llorca, G. del Solar & M. Coll	Plasmid replication initiator RepB forms a hexamer reminiscent of ring helicases and has mobile nuclease domains.	EMBO J.	28		1666-1678
A.M. Houghton, W.O. Hartzell, C.S. Robbins, F.X. Gomis-Rüth & S.D. Shapiro	Macrophage elastase (MMP-12) kills bacteria within murine macrophages.	Nature	460		637-641
G. Gbabode; P. Negrier; D. Mondieig; E. Moreno; T. Calvet; M.A. Cuevas-Diarte	Fatty acids polymorphism and solid- state miscibility. Pentadecanoic acid - hexadecanoic acid binary system	Journal of Alloys and Compounds	469		539-551
R. Benages; L. Bayés; R. Cordobilla; E. Moreno; T. Calvet; M.A. Cuevas-Diarte	A comparative study of several techniques to obtain fatty acid nanoparticles: Palmitic acid	Crystal Growth & Design	9	4	1762- 1766
E. Moreno-Calvo; G. Gbabode; R. Cordobilla; T. Calvet; M.A. Cuevas-Diarte; P. Negrier; D. Mondieig	Competing intermolecular interactions in the high-temperature solid phases of even saturated carboxylic acids (C ₁₀ H ₁₉ =2H to C ₂₀ H ₃₉ O ₂ H)	Chemistry-A European Journal	15	47	13141- 13149
G. Aragay; J. Pons; J. García-Anton; A. Mendoza; G. Mendoza-Díaz; T. Calvet; M. Font- Bardia; J. Ros	Synthesis and Characterization of New Palladium(II) Complexes Containing N-Alkylamino-3,5- diphenylpyrazole Ligands. Crystal Structure of [PdCl(L ₂)](BF ₄) {L ₂ =Bis[2-(3,5-diphenyl-1-	Australian Journal of Chemistry	62	5	475-482

	pyrazolyl)ethyl]ethylamine}				
Ariza, X.; Cornella, J.; Font-Bardia, M.; Garcia, J.; Ortiz, J.; Sanchez, C.; Solans, X.	Stereocontrolled Synthesis of Highly Functionalized Quaternary Carbon Centers: A Route to alpha-Substituted Serines	Angewandte Chemie-International Edition	48	23	4202- 4205
A.N. Balaguer; X. Companyó; T. Calvet; M. Font-Bardía; A. Moyano; R. Rios	Highly Regio- and Diastereoselective Oxazol-5-one Addition to Nitrostyrenes	European Journal of Organic Chemistry	2009	2	199-203
P.K. Basu; A. Gonzalez; C. Lopez; M. Font-Bardia; T. Calvet	1-Methyl-4-ferrocenylmethyl-3,5-diphenylpyrazole: A versatile ligand for palladium(II) and platinum(II)	Journal of Organometallic Chemistry	694	22	3633- 3642
T. Calvet; M. Crespo; M. Font-Bardia; K. Gómez; G. González; M. Martínez	Kinetic-mechanistic insight into the platinum-mediated C-C coupling of fluorinated arenes	Organometallics	28		5096-5106
B. Checa; E. Gálvez; R. Parelló; M. Sau; P. Romea; F. Urpí; M. Font-Bardia; X. Solans	New Approach to the Stereoselective Synthesis of Tertiary Methyl Ethers.	Organic Letters ASAP	11		
A. de Leon; J. Pons; J. Garcia-Anton; X. Solans; M. Font-Bardia; J. Ros	Reactivity of [PdCl(mu-med)](2) with monodentate anionic ligands. Structure of dinuclear complexes [Pd(X)(mu-med)](2) (X = SCN-, N-3(-)). [Hmed = N-2-mercaptoethyl]-3,5-dimethylpyrazole]	Inorganica Chimica Acta	362	5	1528-1534
A. de Leon J. Pons; J. Garcia-Anton; X. Solans; M. Font-Bardia ; J. Ros	Reactivity of [PdCl(bdtp)](BF4) with monodentate neutral and anionic ligands. Structure of [Pd(bdtp)(PPh3)](BF4)(2) (bdtp=1,5-bis(3,5-dimethyl-1-pyrazolyl)-3-thiapentane)	Inorganica Chimica Acta	362	10	3801-3806
A. de Leon; J. Pons; J. Garcia-Anton; X. Solans; M. Font-Bardia; J. Ros	Preparation and characterisation of mononuclear Pd(II) complexes with 1,8-bis(3,5-dimethyl-1-pyrazolyl)-3,6-dithiaoctane (bddo) ligand: Spectroscopy studies and crystal structure of trans-[Pd(SCN)(2)(bddo)]	Polyhedron	28	11	2165-2170
M. Espinal; J. Pons; J. Garcia-Anton; X. Solans; M. Font-Bardia; J. Ros	Unexpected formation of [Pd(bedp)][Pd2Cl4(mu-SMe)(2)] (bedp=1,4-bis[2-(3,5-dimethyl-1-pyrazolyl)ethyl]piperazine). Structural characterisation and	Inorganic Chemistry Communications	12	5	368- 370

	spectroscopic properties				
M. Guerrero; J. Pons; T. Parella; M. Font-Bardia; T. Calvet; J. Ros	Variable Coordination Behavior of New Hybrid Pyrazole Ligand: Synthesis and Characterization of Several Zn-II, Cd-II, Hg-II, Pd-II, Pt-II, and Ni-II Complexes	Inorganic Chemistry	48	18	8736-8750
R. Martin; M. Crespo; M. Font-Bardia; T. Calvet	Steric promotion in the cycloplatination of primary amines	Polyhedron	28	7	1369-1373
R. Martin; M. Crespo; M. Font-Bardia; T. Calvet	Five- and seven-membered metallacycles in [C,N,N'] and [C,N] cycloplatinated compounds	Organometallics	28		587-597
A.M. Montana; J.A. Barcia; G. Kociok-Kohn; M. Font-Bardia	Synthesis of 2,6-dioxatricyclo[3.3.1.0(3,7)]nonanes by intramolecular haloetherification and/or transannular hydroxycyclization of alkenes in [4+3]-cycloadducts	Tetrahedron	65	27	5308-5321
J. Pons; J. Garcia-Anton; M. Font-Bardia; T. Calvet; J. Ros	Coordination compounds of Cd(II) with several bidentate-NN' and tridentate-NN'N nitrogen donor ligands. Cd-113 NMR studies of monomeric compounds containing nitrogen donor atoms	Inorganica Chimica Acta	362	8	2698-2703
A. Portell; R. Barbas; M. Font-Bardia; P. Dalmases; R. Prohens; C. Puigjaner	Ziprasidone malate, a new trimorphic salt with improved aqueous solubility	Crystengcomm	11	5	791-795
Rodríguez, J.; Zafrilla, J.; Albert, J.; Crespo, M.; Granell, J.; Calvet, T.; Font-Bardia, M.	Cyclometallated platinum(II) compounds with imine ligands derived from amino acids: Synthesis and oxidative addition reactions	Journal of Organometallic Chemistry	694		2467-2475
Basallote, M. G.; Bernhardt, P. V.; Calvet, T.; Castillo, C. E.; Font-Bardia, M.; Martínez, M.; and Rodríguez, C.	Mechanistic aspects of the chemistry of mononuclear CrIII complexes with pendant-arm macrocyclic ligands and formation of discrete CrIII/FeII and CrIII/FeII/CoIII cyano-bridged mixed valence compound	Dalton Transactions			9567-9577
Aullón, G.; Chat, R.; Favier, I.; Font-Bardia, M.; Gómez, M.; Granell, J.; Martínez, M. and Solans X.	Cyclometallation of amino-imines on palladium complexes. The effect of the solvent on the experimental and calculated mechanism	Dalton Transactions			8292-8300
Albert, J.; D'Andrea,	Cyclopalladation of (E)-N-(2,6-	Polyhedron		28	2559-2564

L.; García G.; Granell J.; Rahmouni A.; Font-Bardia, M. and Calvet, T	dichlorobenzylidene)(naphthalen-1-yl)methanamine: Synthesis and X-ray molecular structure of [η ² -N,C1-g ² -C ₃ ,C ₄ -Pd{(PhC=CPh) ₂ -C ₁₀ H ₆ -CH ₂ -N=CH-(2,6-Cl ₂ C ₆ H ₃)}Cl]CH ₂ Cl ₂				
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