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Grupo de Investigación: QUÍMICA DE LA COORDINACIÓN Y ANÁLISIS ESTRUCTURAL (Cod.: FQM195)

Departamento: Universidad de Granada. Química Inorgánica

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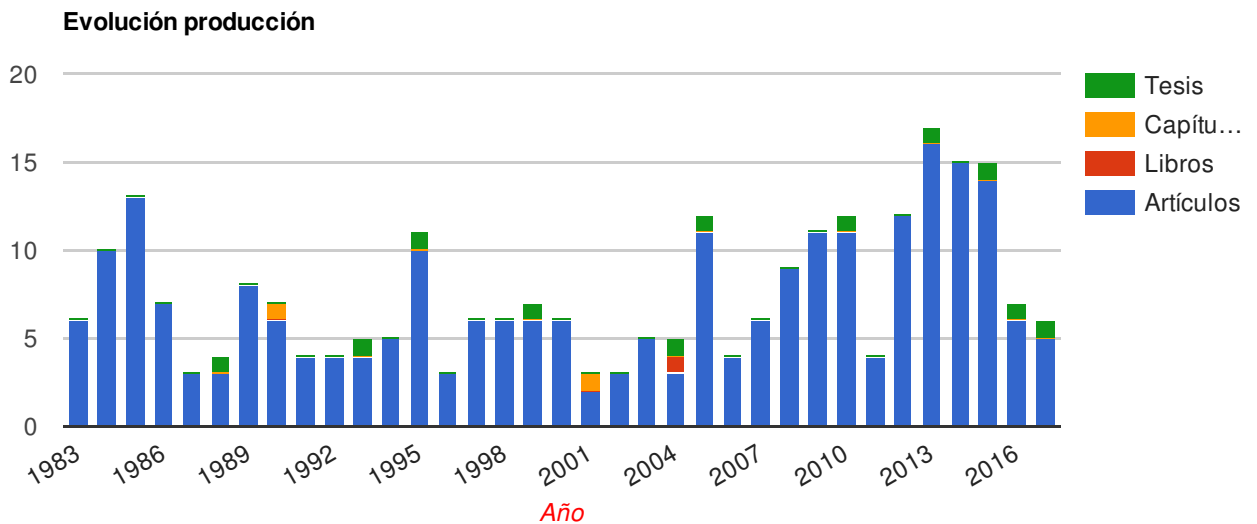
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Ficha del Directorio

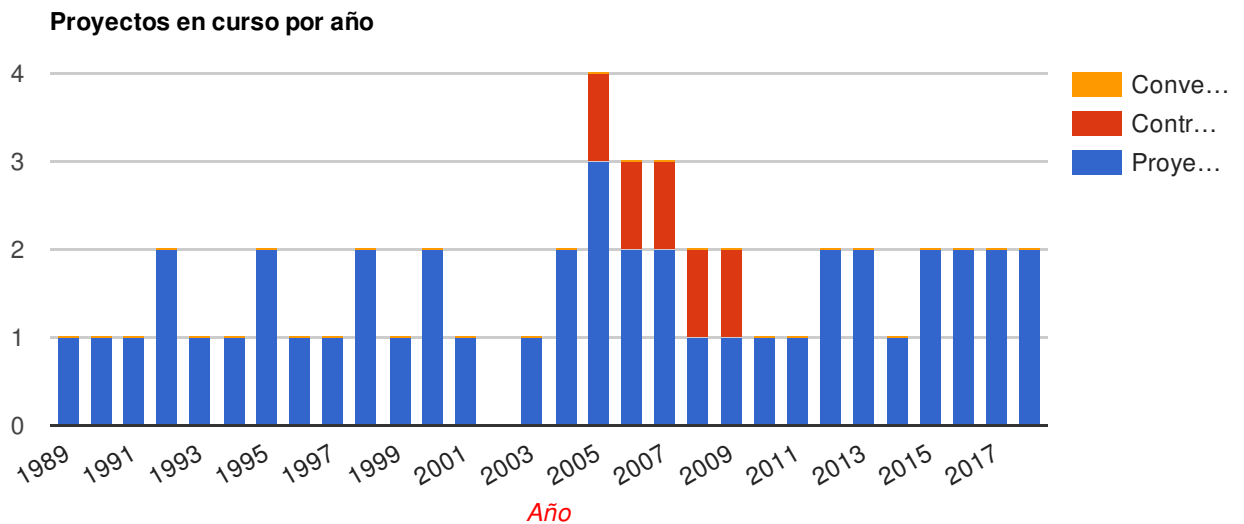
Producción 261

Artículos (247) Libros (1) Capítulos de Libros (2) Tesis dirigidas (11)



Proyectos dirigidos 18

Proyectos (16) Contratos (2) Convenios (0)



Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
Design of a family of Ln ₃ triangles with the hat ligand (1,4,5,8,9,12-hexaazatriphenylene): single-molecule magnetism	Inorganic chemistry	Articulo	2017
Designing ligands to isolate ZnLn and Zn ₂ Ln complexes: field-induced single-ion magnet behavior of the ZnDy, Zn ₂ Dy, and Zn ₂ Er analogues	Inorganic chemistry	Articulo	2017
Homometallic Dy ^{III} complexes of varying nuclearity from 2 to 21: synthesis, structure, and magnetism	Chemistry (weinheim. internet)	Articulo	2017
Influencia de los ligandos en imanes monomoleculares de iones lantánidos: estudio magneto-estructural y teórico.	Universidad de granada. facultad de ciencias	Tesis doctoral	2017
Rational design of triple-bridged dinuclear Zn(II)Ln(III)-based complexes: a structural, magnetic and luminescence study	Crystengcomm	Articulo	2017
The effect of the disposition of coordinated oxygen atoms on the magnitude of the energy barrier for magnetization reversal in a family of linear trinuclear Zn-Dy-Zn complexes with a square-antiprism DyO ₈ coordination sphere	Dalton transactions	Articulo	2017
A family of acetato-diphenoxo triply bridged dimetallic Zn(II)Ln(III) complexes: SMM behavior and luminescent properties	Dalton transactions	Articulo	2016
Effect of ligand substitution around the Dy-III on the SMM properties of dual-luminescent Zn-Dy and Zn-Dy-Zn complexes with large anisotropy energy barriers: a combined theoretical and experimental magnetostructural study	Inorganic chemistry	Articulo	2016
Experimental and computational study of unique tetranuclear μ ₃ -chloride and μ-phenoxo/chloro-bridged defective dicubane cobalt(II) clusters	European journal of inorganic chemistry	Articulo	2016
Lanthanide tetrazolate complexes combining single-molecule magnet and luminescence properties: the effect of the replacement of tetrazolate N ₃ by β-diketonate ligands on the anisotropy energy barrier	Chemistry (weinheim. internet)	Articulo	2016
Rare earth anthracenedicarboxylate metal-organic frameworks: slow relaxation of magnetization of Nd ³⁺ , Gd ³⁺ , Dy ³⁺ , Er ³⁺ and Yb ³⁺ based materials	Dalton transactions	Articulo	2016
Síntesis, caracterización y estudio de compuestos de coordinación con el ligando N,N'-dimetil-N,N'-bis(2-hidroxi-3-metoxi-5-metilbencil)etilendiamina (H ₂ L)	Universidad del país vasco. facultad de ciencias, san sebastián	Tesis doctoral	2016
Two polymorphic forms of a six-coordinate mononuclear cobalt(II) complex with easy-plane anisotropy: structural features, theoretical calculations, and field-induced slow relaxation of the magnetization	Inorganic chemistry	Articulo	2016
A new family of Ni ₄ and Ni ₆ aggregates from the self-assembly of [Ni ₂] building units: role of carboxylate and carbonate bridges	Inorganic chemistry	Articulo	2015
Amending the anisotropy barrier and luminescence behavior of heterometallic trinuclear linear [M-II-Ln(III)-M-II] (Ln(III)=Gd, Tb, Dy; M-II=Mg/Zn) complexes by change from divalent paramagnetic to diamagnetic metal ions	Chemistry (weinheim. internet)	Articulo	2015
An experimental and theoretical magneto-structural study of polynuclear Ni ^{II} complexes assembled from a versatile bis(salicylaldehyde)diamine polytopic ligand	Dalton transactions	Articulo	2015

Analysis of the role of peripheral ligands coordinated to zn-ii in enhancing the energy barrier in luminescent linear trinuclear zn-dy-zn single-molecule magnets	Chemistry (weinheim. internet)	Articulo	2015
Decanuclear In(10) wheels and vertex-shared spirocyclic In(5) cores: synthesis, structure, smm behavior, and mce properties	Chemistry (weinheim. internet)	Articulo	2015
Experimental and theoretical study of photoluminescence and magnetic properties of metal-organic polymers based on squarate and tetrazolate moieties containing linkers	New journal of chemistry	Articulo	2015
Increasing the effective energy barrier promoted by the change of a counteranion in a zn-dy-zn smm: slow relaxation via the second excited state	Chemical communications	Articulo	2015
Novel anion-tunable structural diversity and new topologies in cu-ii complexes of a schiff base	Polyhedron	Articulo	2015
Studies on bifunctional fe(ii)-triazole spin crossover nanoparticles: time-dependent luminescence, surface grafting and the effect of a silica shell and hydrostatic pressure on the magnetic properties	Journal of materials chemistry c	Articulo	2015
Synthesis and characterization of 4-, 5-, and 6-coordinate tris(1-ethyl-4-isopropylimidazolyl-kappa n)phosphine cobalt(ii) complexes	European journal of inorganic chemistry	Articulo	2015
Synthesis, structure, and magnetic properties of phosphinate-bridged hexanuclear fe-iii complexes containing two butterfly-shaped fe ₃ o cores	European journal of inorganic chemistry	Articulo	2015
Systematic studies on 3d-3d and 3d-4f multimetallic complexes with interesting magnetic and/or luminescent properties.	Universidad del país vasco. facultad de ciencias, san sebastián	Tesis doctoral	2015
Thermochromic sensor design based on fe(ii) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling	Sensors and actuators b: chemical	Articulo	2015
Two series of isostructural coordination polymers with isomeric benzenedicarboxylates and different azine based n,n'-donor ligands: syntheses, characterization and magnetic properties	Crystal growth and design	Articulo	2015
Two-step spin crossover behaviour in the chiral one-dimensional coordination polymer [fe(hat)(ncs)(2)](infinity)	Rsc advances: an international journal to further the chemical sciences	Articulo	2015
Anion controlled structural and magnetic diversity in unusual mixed-bridged polynuclear ni(II) complexes with a versatile bis(2-methoxyphenol)diamine hexadentate ligand. an experimental and theoretical magneto-structural study	Dalton transactions	Articulo	2014
Bifunctional zniIn(III) dinuclear complexes combining field induced smm behavior and luminescence: enhanced lanthanide emission by 9,10-anthracene carboxylate bridging ligands	Inorganic chemistry	Articulo	2014
Closely-related zn(II)In(III) complexes (In(III) = gd, yb) with either magnetic refrigerant or luminescent single-molecule magnet properties	Inorganic chemistry	Articulo	2014
Hydrolysis on di-schiff base ligand during dinuclear ni(II) complex formation: synthesis, crystal structures and magneto-structural correlation studies	Proceedings of the national academy of sciences, india section a: physical sciences	Articulo	2014
Hydroxide-free cubane-shaped tetranuclear [In(IV)] complexes	Inorganic chemistry	Articulo	2014
In vivo potential antidiabetic activity of a novel zinc coordination compound based on 3-carboxy-pyrazole	Journal of inorganic biochemistry	Articulo	2014

Linear {niii-lniii-niii} complexes containing twisted planar ni(μ -phenolate) ₂ ln fragments: synthesis, structure and magnetothermal properties	Chemistry - an asian journal	Articulo	2014
Linear, edge-sharing heterometallic trinuclear [co-ii-ln(iii)-co-ii] (ln(iii) = gd-iii, dy-iii, tb-iii, and ho-iii) complexes: slow relaxation of magnetization in the dy-iii derivative	European journal of inorganic chemistry	Articulo	2014
Particle tuning and modulation of the magnetic/colour synergy in fe (ii) spin crossover-polymer nanocomposites in a thermochromic sensor array	Journal of materials chemistry c	Articulo	2014
Possibilities with 2-pyrimidinecarbonitrile to design mofs	Polyhedron	Articulo	2014
Rational electrostatic design of easy-axis magnetic anisotropy in a zn-ii-dy-iii-zn-ii single-molecule magnet with a high energy barrier	European journal of organic chemistry	Articulo	2014
Single-molecule magnet behavior and magnetocaloric effect in ferromagnetically coupled lniii-niii-niii-lniii (lniii = dyiii and gdiii) linear complexes	Inorganic chemistry	Articulo	2014
Syntheses, x-ray structures, catalytic activity and magnetic properties of two new coordination polymers of co(ii) and ni(ii) based on benzenedicarboxylate and linear n,n'-donor schiff base linkers	Inorganic chemistry frontiers	Articulo	2014
Two c ₃ symmetric dy ₃ complexes with triple di- μ -methoxy- μ -phenoxo bridges, magnetic ground state and smm behaviour	Chemistry (weinheim. internet)	Articulo	2014
Two tetranuclear copper(ii) complexes with open cubane-like cu ₄ o ₄ core framework and ferromagnetic exchange interactions between copper(ii) ions: structure, magnetic properties, and density functional study	European journal of inorganic chemistry	Articulo	2014
A ferromagnetically coupled diphenoxo-bridged gd ³⁺ -mn ²⁺ dinuclear complex with a large magneto-caloric effect	Chemical communications	Articulo	2013
Absence of a magnetic interaction in a dinuclear copper complex? the case of a crossed axial ζ equatorial oxalate coordination mode	Polyhedron	Articulo	2013
Dilution-triggered smm behavior under zero field in a luminescent zn ₂ dy ₂ tetranuclear complex incorporating carbonato-bridging ligands derived from atmospheric co ₂ fixation	Inorganic chemistry	Articulo	2013
Fabrication of metal-organic hybrid architectures using bridging diphenyl phosphate: syntheses, characterization, magnetic properties and the effect of weak interactions on their crystal packing.	Dalton transactions	Articulo	2013
Ferromagnetic dinuclear mixed-valence mn(ii)/mn(iii) complexes: building blocks for the higher nuclearity complexes. structure, magnetic properties, and density functional theory calculations	Inorganic chemistry	Articulo	2013
Iso-valence co(ii) and mixed-valence co(ii/iii) tetranuclear complexes: synthesis, structure, magnetic properties and dft study	Polyhedron	Articulo	2013
Luminescence and magnetic properties of three metal-organic frameworks based on the 5-(1h-tetrazol-5-yl)isophthalic acid ligand	Crystengcomm	Articulo	2013
Modular structure of a robust microporous mof based on cu ₂ paddle-wheels with high co ₂ selectivity	Chemical communications	Articulo	2013
Nanomateriales moleculares basados en compuestos de coordinación: magnetismo y luminiscencia	Universidad de granada. facultad de ciencias	Tesis doctoral	2013

Octanuclear {Ln(iii) 8 } (Ln = gd, tb, dy, ho) macrocyclic complexes in a cyclooctadiene-like conformation: manifestation of slow relaxation of magnetization in the dy(iii) derivative	Inorganic chemistry	Articulo	2013
Photographing the synergy between magnetic and colour properties in spin crossover material [fe(nh2trz)3](bf4)2: a temperature sensor perspective	Chemical communications	Articulo	2013
Photophysical properties of [ir(tpy)2]3+-doped silica nanoparticles and synthesis of a colour-tunable material based on an ir(core)2eu(shell) derivative	Journal of materials chemistry	Articulo	2013
Slow magnetic relaxation in co(iii)2co(ii) mixed-valence dinuclear complexes with a coio5x (x = cl, br, no3) distorted-octahedral coordination sphere	Inorganic chemistry	Articulo	2013
Slow magnetic relaxation in a coii-yiii single-ion magnet with positive axial zero-field splitting	Angewandte chemie (international ed. print)	Articulo	2013
Stepwise formation of a pentanuclear ni4cu heterometallic complex exhibiting a vertex-sharing defective double-cubane core and diphenoxo- and phenoxo/azide bridging groups: a magnetostructural and dft theoretical study	Inorganic chemistry	Articulo	2013
Structural diversity due to amino alcohol ligands leading to rare 4-hydroxo-bridged tetranuclear and bicapped cubane cores in copper(ii) complexes: a theoretical and experimental magnetostructural study	Inorganic chemistry	Articulo	2013
Synthesis and crystal structure determination of mn(ii) schiff base complexes and their performance in ethene polymerization	Polyhedron	Articulo	2013
CoiiLniii dinuclear complexes (Lniii = gd, tb, dy, ho and er) as platforms for 1,5-dicyanamide-bridged tetranuclear coii2Lniii2 complexes: a magneto-structural and theoretical study	Comptes rendus de l'académie des sciences. série ii. fascicule c, chimie	Articulo	2012
Diphenoxo-bridged niilLniii dinuclear complexes as platforms for heterotrimetallic LniiiLniiiLniii systems with a high magnetic moment ground state: synthesis, structure and magnetic properties	Inorganic chemistry	Articulo	2012
Experimental evidence and dft studies of next-nearest-neighbor magnetic interactions through diamagnetic 3d and 4d ions	Inorganic chemistry	Articulo	2012
Family of carboxylate- and nitrate-diphenoxo triply bridged dinuclear niilLniii complexes (Ln = eu, gd, tb, ho, er, y): synthesis, experimental and theoretical magneto-structural studies, and single-molecule magnet behavior	Inorganic chemistry	Articulo	2012
Field and dilution effects on the slow relaxation of a luminescent dyo9 low-symmetry single-ion magnet	Chemical communications	Articulo	2012
Novel metal-organic frameworks based on 5-bromonicotinic acid: multifunctional materials with h2 purification capabilities	Crystengcomm	Articulo	2012
Photographing the synergy between magnetic and colour properties in spin crossover material [fe-(nh2trz)3](bf4)2: a temperature sensor perspective	Chemical communication	Articulo	2012
Rational design of ferromagnetic coupled diphenoxocarboxylate triply bridged dinuclear nickel(ii) complexes: orbital countercomplementarity of the bridging ligands	Dalton transactions	Articulo	2012
Synthesis, crystal structures and magnetic properties of			

mu-tetra-alkoxo linear trinuclear copper(ii) complexes with aminoalcohol ligands: a theoretical/experimental magneto-structural study	Dalton transactions	Articulo	2012
Synthesis, structure, magnetic properties and dft calculations of novel bis(5-tetrazolyl)amine copper(ii) complexes	Inorganica chimica acta	Articulo	2012
Touching the upper limit for ferromagnetic interactions in hetero-bridged dinuclear [cu2ii] complexes using a novel n5-dinucleating ligand bearing an endogenous monoatomic amido($r_{\zeta}nh_{\zeta}$)-bridging group	Chemical communications	Articulo	2012
[co(ox)(hpmtz)] ζ a new coii zig-zag chain complex with the in situ generated oxalate bridging and hpmtz chelating ligands (hpmtz = 5-pyrimidyltetrazole) exhibiting spin-canted antiferromagnetism	European journal of inorganic chemistry	Articulo	2012
A combined experimental and theoretical study on bis(mu-alkoxo)diiron(iii) complexes with hydroxybenzylaminoethanol [o,n,o] donor ligands: syntheses, structures and magnetic properties	European journal of inorganic chemistry	Articulo	2011
Bifunctional hybrid sio2 nanoparticles showing synergy between core/spin crossover and shell/luminescence properties	Angewandte chemie (international ed. print)	Articulo	2011
Heterometallic oximate-bridged linear trinuclear niii-miii-niii (miii = mn, fe, tb) complexes constructed with the fac-o3 [ni(hl)3] metalloligand (h2l = pyrimidine-2-carboxamide oxime): a theoretical and experimental magneto-structural study	European journal of inorganic chemistry	Articulo	2011
Influence of the anions on the structure and magnetic properties of a series of bis(mu-diphenoxo)-bridged linear trinuclear copper(ii) complexes: an experimental and theoretical study	Dalton transactions	Articulo	2011
3d-3d-4f chain complexes constructed using the dinuclear metallacyclic complex [ni2(mbpb)3]2-; [h2mbpb = 1,3-bis(pyridine-2-carboxamide)benzene] as a ligand: synthesis, structures, and magnetic properties	Inorganic chemistry	Articulo	2010
3d-3d-4f chain complexes constructed using the dinuclear metallacyclic complex [ni2(mbpb)3]2-[h2mbpb = 1,3-bis(pyridine-2-carboxamide)benzene] as a ligand: synthesis, structures, and magnetic properties	Inorganic chemistry	Articulo	2010
A chiral diamondoid 3d lanthanum metal ζ organic framework displaying blue-greenish long lifetime photoluminescence emission	Crystengcomm	Articulo	2010
A unique single carboxylate-bridged spin-frustrated chiral mn(ii) metallatriangle	Dalton transactions	Articulo	2010
Antiferromagnetic versus ferromagnetic exchange interactions in bis(ζ -ooximate)dinickel(ii) units for a series of closely related cube shaped carboxamideoximate-bridged ni4 complexes. a combined experimental and theoretical magneto-structural study	Inorganic chemistry	Articulo	2010
Co-operation of p...p, cu(ii)...p, carbonyl...p and hydrogen-bonding forces leading to the formation of water cluster mimics observed in the reassessed crystal structure of [cu(mal)(phen)(h2o)]23h2o (h2mal = malonic acid, phen = 1,10-phenanthroline)	Journal of molecular structure	Articulo	2010
Compuestos de coordinación multidimensionales homo- y heterometálicos con ligandos polidentados derivados de carboxi- y cianoazinas. estudio magneto-estructural y	Universidad de granada. química inorgánica	Tesis doctoral	2010

teórico			
Dft approach to reaction mechanisms through molecular complexes. the case of an organo-catalysed nucleosidation reaction	Journal of molecular structure. theochem	Articulo	2010
Dinuclear alkoxo-bridged copper(ii) coordination polymers: syntheses and structural and magnetic properties	Inorganica chimica acta	Articulo	2010
Effect of protonated aminopyridines on the structural divergences of m(ii)-malonate complexes (m = cu, ni, co)	Polyhedron	Articulo	2010
Tetranuclear copper(ii) complexes bearing cu ₄ o ₆ and cu ₄ o ₄ cores: synthesis, structure, magnetic properties, and dft study	European journal of inorganic chemistry	Articulo	2010
Theoretical and experimental study on the efectiveness of the 5-pyrimidyl-tetrazolate bridging ligand in mediating magnetic exchange interactions	Inorganic chemistry	Articulo	2010
A combined experimental and theoretical study on the magnetic properties of a family of bis(m-diphenoxo)dicopper(ii) complexes bearing n,n-bis(2-methylene-4,6-dimethylphenol)aminoalkyl-1-ol ligands	European journal of inorganic chemistry	Articulo	2009
Anion encapsulation promoted by anion-pi interactions in rationally designed hexanuclear antiferromagnetic wheels	Crystengcomm	Articulo	2009
Anion-p interaction stitching 2-d layers formed by self-assembly of cations of a mononuclear copper(ii) complex: synthesis, crystal structure and magnetism of [cu(oac)(2,20-dypam) ₂](clo ₄) [hoac=acetic acid, 2,20-dypam=2,20-dipyridylamine]	Journal of coordination chemistry	Articulo	2009
Binuclear copper(ii) chelates with heptadentate ligands: synthesis, structure, magnetic properties, dft studies, and catecholase and hydrolytic dna cleavage activity	European journal of inorganic chemistry	Articulo	2009
Double and triple strandedmesocates containing the bis(bidentate) bridging ligand 1,3-bis(pyridine-2-carboxamide)benzene. structure, properties and dna interaction	New journal of chemistry	Articulo	2009
Enantiopure tetranuclear iron(iii) complexes using chiral reduced schiff base ligands: synthesis, structure, spectroscopy, magnetic properties, and dft studies	Inorganic chemistry	Articulo	2009
Enhanced ferromagnetic interaction in metallacyclic complexes incorporating m-phenylenediamidato bridges	Dalton transactions	Articulo	2009
High-dimensional mixed-valence copper cyanide complexes: syntheses, structural characterizations and magnetism	Polyhedron	Articulo	2009
Influence of metal ions, coligands and reaction conditions on the structural versatility and properties of 5-pyrimidyl-tetrazolate containing complexes	Dalton transactions	Articulo	2009
Novel bimetallic-dicyanamide extended two- and three-dimensional networks through [cu(rac-cth)] ₂ ⁺ cation templation	Crystal growth and design	Articulo	2009
Structure, magnetism and dft studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand	Dalton transactions	Articulo	2009
A rational design by hydrothermal methods of a tetrazolate-bridged bimetallic spin-canted antiferromagnet. synthesis, x-ray structure and magnetic properties of [coni(pmtz)(4)] (hpmtz(-)=5-(pyrimidyl)tetrazole)	Dalton transactions	Articulo	2008

Anion influence on the structure and magnetic properties of a series of multidimensional pyrimidine-2-carboxylato-bridged copper(ii) complexes	Inorganic chemistry	Articulo	2008
Binuclear copper(ii) complexes with n4o3 coordinating heptadentate ligand: synthesis, structure, magnetic properties, density-functional theory study, and catecholase activity	Inorganic chemistry	Articulo	2008
Cyanide-bridged tetradecanuclear ruii3m ii11 clusters (mii = znii and cuii) based on the high connectivity building block [ru 3(hat)(cn)12]6-: structural and photophysical properties	Chemical communications	Articulo	2008
Mixed bridged dinuclear ni(ii) complexes: synthesis, structure, magnetic properties and dft study	Dalton transactions	Articulo	2008
Mononuclear and binuclear iron(iii) complexes incorporating n4o3 coordinating heptadentate ligand: synthesis, structure and magnetic properties	Polyhedron	Articulo	2008
Ph-triggered changes in the supramolecular self-assembly of cu(ii) malonate complexes	Crystengcomm	Articulo	2008
Poly[diagua-mu(2)-oxalato-di-mu(2)-pyrimidine-2-carboxylato-dimanganese(ii)]	Acta crystallographica. section e	Articulo	2008
Pyridine vapors detection by an optical fibre sensor	Sensors	Articulo	2008
A novel 3d cyano-bridged mixed-valence coii/coiii canted antiferromagnet constructed from defective cubanes. synthesis, x-ray structure and magnetic properties	Dalton transactions	Articulo	2007
Crowned tetrameric spirocyclic water chain: an unusual building block of a supramolecular metal-organic host	Crystal growth and design	Articulo	2007
Crystal structure and magnetic properties of [{cu(cyclam)}3{fe(cn)6}2] [middle dot] 6h2o, a cyano-bridged assembly with a rope-ladder chain structure	Polyhedron	Articulo	2007
Interplay between covalent and aurophilic interactions in a series of isostructural 3d hoffman-like frameworks containing bipyrimidine and dicyanoaurate bridges. x-ray structure and magnetic properties of {(-au(cn) 2]2[(m(nh3)2)2(-bpym)]} [au(cn)2]2	Dalton transactions	Articulo	2007
Self-assembled cationic heterochiral honeycomb-layered metal complexes with the in situ generated pyrimidine-2-carboxylato bisdidentate ligand. hydrothermal synthesis, crystal structures, magnetic properties, and theoretical study of [m2(?-pymca)3]oh	Inorganic chemistry	Articulo	2007
Synthesis, x-ray structures and luminescence properties of three multidimensional metal-organic frameworks incorporating the versatile 5-(pyrimidyl)tetrazolato bridging ligand	Dalton transactions	Articulo	2007
Magnetic langmuir-blodgett films of ferritin with different iron contents	Langmuir	Articulo	2006
Structural and magnetic diversity in cyano-bridged bi- and trimetallic complexes assembled from cyanometalates and [m(rac-cth)]n+ building blocks (cth = d,l-5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane)	Inorganic chemistry	Articulo	2006
The effect of heating rate on yields and compositions of oil products from esparto pyrolysis	International journal of energy research	Articulo	2006
[zn(n)(polyox)(pmtz)(n)]: the first polyoxalate-containing coordination polymer from an unforeseen chemical rearrangement of 5-pyrimidyl-tetrazole under	Chemical communications	Articulo	2006

hydrothermal conditions.			
2d and 3d coordination polymers based on 2,2'-bipyrimidine and cyanide bridging ligands incorporating coordinated and guest ammonia molecules. synthesis, crystal structures, magnetic properties and thermal analysis of $[\text{Ni}(\text{CN})_4]_2[\text{Ni}(\text{NH}_3)_2]$	New journal of chemistry	Articulo	2005
Catechol releases iron(III) from ferritin by direct chelation without iron(II) production	Dalton transactions	Articulo	2005
Hexacyanocobaltate(III) anions as precursors of Co(II)-Ni(II) cyano-bridged multidimensional assemblies: hydrothermal syntheses, crystal and powder x-ray structures, and magnetic properties	Inorganic chemistry	Articulo	2005
Magnetic Langmuir-Blodgett films of ferritin with different iron loadings	Synthetic metals	Articulo	2005
Multidimensional cyanide-bridged heterometallic Fe(II)-Cu(I) and homometallic Cu(I) coordination polymers from solvothermal reactions involving either $\text{K}_3[\text{Fe}(\text{CN})_6]$ or KCN as the source of cyanide anions	European journal of inorganic chemistry	Articulo	2005
Nuevos materiales moleculares magnéticos homo y heteronucleares de dimensionalidad variable basados en compuestos de coordinación con grupos cianuro, oxalato y tetrazolato puente.	Universidad de Granada. química inorgánica	Tesis doctoral	2005
Production of fuel briquettes from esparto partially pyrolyzed	Energy conversion and management	Articulo	2005
Rational design of azide-bridged bimetallic complexes. crystal structure and magnetic properties of $(\text{Fe}^{\text{II}}\text{Fe}^{\text{III}})_m\text{-III}$ ($m = \text{Ni}^{\text{II}}$ and Cu^{II}) trinuclear species	Chemical communications	Articulo	2005
Release of iron from ferritin by aceto- and benzohydroxamic acids	Inorganic chemistry	Articulo	2005
Synthesis, structure, and properties of μ -oxo-bridged $\text{Fe}_2(\text{III})$ and heterometallic azide-bridged $(\text{Fe}_2\text{Cu}^{\text{II}})\text{-Cu}^{\text{III}}$ complexes of a picolinamide in-plane ligand	European journal of inorganic chemistry	Articulo	2005
Unique self-assembled 2d metal-tetrazolate networks: crystal structure and magnetic properties of $[\text{M}(\text{pmtz})_2]$ ($m = \text{Co}(\text{II})$ and $\text{Fe}(\text{II})$); $\text{hpmtz} = 5\text{-(pyrimidyl)tetrazole}$)	Chemical communications	Articulo	2005
$[\text{Ni}(\text{cyclam})(\mu(1,3)\text{-dca})_2\text{Cu}(\mu(1,5)\text{-dca})_2]$: a genuine 3d bimetallic coordination polymer containing both $\mu(1,3)$ - and $\mu(1,5)$ -bidentate dicyanamide bridges and a ferromagnetic interaction between copper(II) and nickel(II) ions	Inorganic chemistry	Articulo	2005
Alkali cation influence on copper cyanide solid-state architecture: two self-assembled copper(I)-sodium and copper(I)-potassium complexes showing 2d and 3d structures	Inorganica chimica acta	Articulo	2004
Complexes polymeriques des metaux de transition à ligands macrocycliques et dicianamide: syntheses, structure et magnétisme.	Universidad Abdelmalek Essaadi. química	Tesis doctoral	2004
Ferromagnetic coupling and thermochromism in $[\text{Ni}(\text{rac-cth})(\mu(1,1)\text{-n-3})_2\text{Cu}(\text{n-3})_2]$, the first end-on azido-bridged bimetallic complex	Dalton transactions	Articulo	2004
Fundamentos de enlace y estructura de la materia	Grupo Anaya, S.A.	Libros	2004
Two polymorphs Ni(II) complexes containing the dicyanamide ligand: syntheses, structures and magnetic properties of $[\text{Ni}(\text{meso-cth})(\mu(1,5)\text{-dca})\text{ClO}_4]_n$ and $[\text{Ni}(\text{meso-cth})][\text{Ni}(\text{meso-cth})(\text{dca})_2](\text{ClO}_4)_2$ ($\text{dca} =$	Inorganica chimica acta	Articulo	2004

dicyanamide; cth = meso-5,5,7,12,12,14-h			
A new type of anionic metal dicyanamide extended networks through [cu(n-4-macrocycle)](2+) cation templation. structure and magnetic properties	Inorganic chemistry	Articulo	2003
A novel one-dimensional cyano-bridged ni ₃ fe ₂ ferromagnet constructed from bimetallic molecular squares	Inorganic chemistry	Articulo	2003
Aurophilicity-coordination interplay in the design of cyano-bridged nickel(ii)-gold(i) bimetallic assemblies: structural and computational studies of the gold(i)-gold(i) interactions	Inorganic chemistry	Articulo	2003
Hydrothermal syntheses, crystal structures, and properties of two-dimensional homo- and heterometallic cyanide-bridged complexes: [cu-2(cn) ₂ (bpym)] and [fe(bpym) ₂ (cn) ₄ cu-2] (bpym=2,2'-bipyrimidine, bipy=2,2'-bipyridine)	Inorganic chemistry	Articulo	2003
Nanoparticles of prussian blue ferritin: a new route for obtaining nanomaterials	Inorganic chemistry	Articulo	2003
A tris-imidazolecarboxyaldehyde copper(ii) complex with unusual carbonyl co-ordination: structure and reactivity	Journal of the chemical society. dalton transactions	Articulo	2002
Architecture dependence on the steric constrains of the ligand in cyano-bridged copper(i) and copper(ii)-copper(i) mixed-valence polymer compounds containing diamines: crystal structures and spectroscopic and magnetic properties	Inorganic chemistry	Articulo	2002
Aurophilicity as a cofactor in crystal engineering. dicyanoaurate(i) anion as a building block in a novel co(ii)-au(i) bimetallic assembly	Chemical communications	Articulo	2002
Cianometalatos como precursores de materiales magnéticos moleculares	Los materiales moleculares en españa en el umbral del siglo xxi : resúmenes de la iv escuela nacional de materiales moleculares san lorenzo de el escorial, madrid, 6-13 de junio de 1999	Capítulo de libro	2001
Cyano-bridged bimetallic assemblies from hexacyanometalate, [m(cn) ₆](3-) (m = mn-iii and fe-iii), and [m(n-4-macrocycle)](2+) (m = fe-iii, ni-ii and zn-ii) building blocks. syntheses, multidimensional structures, and magnetic properties	Inorganic chemistry	Articulo	2001
Synthesis and characterization of zinc, cadmium and mercury complexes of benzilbisthiosemicarbazone. structure of cadmium derivative	Inorganica chimica acta	Articulo	2001
A pro-chiral bis-imidazolyl-containing copper(ii) complex as precursor of a self-assembled polymer and a heterodinuclear copper(ii)-nickel(ii) complex	Inorganica chimica acta	Articulo	2000
A rational design for imidazolate-bridged linear trinuclear compounds from mononuclear copper(ii) complexes with 2-[(imidazol-2-ylmethylidene)amino]ethylpyridine (hl): syntheses, structures, and magnetic properties of [cu(l)(hfac) _m (hfac) ₂ cu(hfac)	Inorganic chemistry	Articulo	2000
Helical-chain copper(ii) complexes and a cyclic tetranuclear copper(ii) complex with single syn-anti carboxylate bridges and ferromagnetic exchange interactions	Inorganic chemistry	Articulo	2000
Palladium-phosphine complexes from 8-(thio)-theophylline, 8-(methylthio)-theophylline and 8-(phenylthio)-theophylline.	Inorganica chimica acta	Articulo	2000

Structure and magnetic properties of two cyanide-bridged one-dimensional m-cu-ii (m = fe-iii or fe-ii) bimetallic assemblies from ferricyanide and Cu^{2+} (n-4 = 1,4,8,11-tetraazacyclotetradecane and n,n'-bis(2-pyridylmethylene)-1,3-propanedi	Journal of the chemical society. dalton transactions	Articulo	2000
{2-[(3-aminopropyl)aminopropyl-iminomethyl]imidazolato-n,n';n,n';n,n';n,n';n,n';n,n'} (methanol-o)copper(ii) perchlorate	Acta crystallographica. section c, crystal structure communications.	Articulo	2000
A novel square-planar cyclic tetranuclear copper(ii) complex containing oximate bridges. synthesis, crystal structure and magnetic properties of tetrakis[ζ -1,3-dimethylviolurato]-copper(ii)]tetraperchlorate dihydrate.	Journal of the chemical society. dalton transactions	Articulo	1999
A novel two-dimensional honeycomb-like bimetallic iron(iii)-nickel(ii) cyanide-bridged magnetic material [ni(cyclam)](3)[fe(cn)(6)](2)center dot nh(2)o (cyclam=1,4,8,11-tetraazacyclodecane)	Chemical communications	Articulo	1999
Estudio magnético-estructural de complejos homo y heteropolimetálicos con ligandos polifuncionales	Universidad de granada. química inorgánica	Tesis doctoral	1999
One-dimensional iron(iii) and two-dimensional iron(iii)nickel(ii) cyanide-bridged ferromagnetic arrays from hexacyanoferrate(iii) and [ni(cyclam)](2+) building blocks: synthesis, crystal structure and magnetic properties	Molecular crystals and liquid crystals science and technology. section a. molecular crystals and liquid crystals	Articulo	1999
Singly anti-anti carboxylate-bridged zig-zag chain complexes from a carboxylate-containing tridentate schiff base ligand and m(hfac)(2) [m = mn-ii, ni-ii, and cu-ii]: synthesis, crystal structure, and magnetic properties	European journal of inorganic chemistry	Articulo	1999
Synthesis and characterization of novel palladium(ii) complexes of bis(thiosemicarbazone). structure, cytotoxic activity and dna binding of pd(ii)-benzyl bis(thiosemicarbazonate)	Journal of inorganic biochemistry	Articulo	1999
Synthesis and crystal structure of na[pd(hpba)]center dot 2h(2)o [h(4)pba = 1,3-propylenebis(oxamic acid)]. the first bis(oxamato)palladium(ii) complex and an unexpected trideprotonated form of the ligand	Inorganica chimica acta	Articulo	1999
A cyano bridged iron(iii) linear chain with alternating fe(cn)(6)-fe(cyclam) (cyclam = 1,4,8,11-tetraazacyclodecane) units and unexpected ferromagnetic behaviour	Chemical communications	Articulo	1998
A new mononuclear copper(ii) complex containing two imidazolyl moieties as precursor of self-assembled and (nicuniii)-cu-ii- ni-ii heterobimetallic complexes	Inorganic chemistry	Articulo	1998
A novel series of heterotrinnuclear complexes involving imidazolato bridging schiff's base ligands. synthesis, crystal structure, and magnetic properties	Inorganic chemistry	Articulo	1998
Copper (ii) complexes of two new oxamidate bis-tetradentate schiff-base ligands	Polyhedron	Articulo	1998
Octakis(dimethyl sulfoxide-o)-gadolinium(iii) hexacyanoferrate(iii)	Acta crystallographica. section c, crystal structure communications.	Articulo	1998
Synthesis of polynuclear copper(ii) complexes by controlling the conformation (cis or trans) of n,n'-bis(3-aminopropyl)oxamidate and the coordination mode of 2,2'-bipyrimidine	Inorganica chimica acta	Articulo	1998
Bis(didentate) open-chain and tetradentate pseudo-			

macrocyclic bridging co-ordination modes of n,n'-bis(1,3-dimethyl-5-nitroso-2,4-dioxypyrimidin-6-yl)butane-1,4-diamine	Journal of the chemical society. dalton transactions	Articulo	1997
Copper(i)-purine-phosphine complexes. syntheses and molecular structures of [cu-2(mu-hl(1))(2)(mu-dppm)(eta(1)-dppm)(2)] and {[cu3(mu(3)-cl)(2)(mu-dppm)(3)[cu(hl(2))(2)]} (h(2))(1) equals 8-mercaptotheophylline and h(2))(2) equals 8-ethyl-3-methylxa	Inorganic chemistry	Articulo	1997
Dinuclear copper(ii) complexes containing nitroso-oximate bridges: two different copper(ii)-bridging entities from the same precursor	Polyhedron	Articulo	1997
Metal-purine interactions: homo- and heterodinuclear platinum(ii) and/or palladium(ii) complexes of 8-thiotheophylline. crystal structures of [pt(mu-tt)(dppm)(2)center dot 2dmsol] and [(dppm)pt(mu-tt)(2)pd(dppm)]center dot 7h(2)o	Inorganic chemistry	Articulo	1997
Structural characterization of closely related mononuclear cu-ii complexes of 5-nitrosooxime pyrimidines. a combined x-ray and epr study	Acta chemica scandinavica (copenhagen. 1989)	Articulo	1997
Synthesis and molecular structure of the first metal complex of an analogue of guanine with pd-ii-c(8) binding	Inorganic chemistry	Articulo	1997
Crystal structure of [ni(cth)(ncs)(2)] with linearly and nonlinearly coordinated isothiocyanate groups	Acta chemica scandinavica (copenhagen. 1989)	Articulo	1996
Deprotonation and self-assembly of symmetric oxamidate-bridged dinuclear copper(ii) complex involving imidazole moieties	Journal of the chemical society. dalton transactions	Articulo	1996
Gold(i)-purine interactions: synthesis and characterization of cyclic and open chain polynuclear gold(i) complexes containing xanthine derivatives and bis(phosphine) as bridging ligands. crystal structures of [au-2(mu-hx)(mu-dmpe)]center dot 3h(2)o a	Inorganic chemistry	Articulo	1996
(1,3-dimethyl-2,6-dioxo-2,3,6,7-tetrahydro-1h-purin-7-yl)(dimethylphenyl phosphine)-gold(i)	Acta crystallographica. section c, crystal structure communications.	Articulo	1995
A 2-dimensional copper(i) polymer containing both molecular rod and anionic bridges - synthesis and crystal-structure of (mu-chloro)(mu-pyrazine)copper(i)	Canadian journal of chemistry	Articulo	1995
A heterodinuclear anti oximate-bridged copper(ii)-nickel(ii) complex - crystal-structure and magnetic-properties	Inorganica chimica acta	Articulo	1995
A mixed-bridged cu3 cluster with an isosceles-triangular array of copper(ii) ions: synthesis, crystal structure and magnetic properties	Journal of the chemical society. dalton transactions	Articulo	1995
Aqua[1,3-propanedioldiiminobis(1,3-dimethyl-5-nitrosouracilato)-kappa-n- 4(5),n-6,- n-15,n-16]copper(ii) monohydrate	Acta crystallographica. section c, crystal structure communications.	Articulo	1995
Complejos polinucleares heterociclicos de au(i) y cu(i) con ligandos puente difosfina y purina e interaccion metal-metal: diseo, caracterizacion y propiedades	Universidad de granada. química inorgánica	Tesis doctoral	1995
Crystal structure and magnetic properties of [cu(ox)(py)2] (py=pyridine). a ferromagnetic oxalate-bridged zigzag chain complex	Journal of the chemical society. dalton transactions	Articulo	1995
Crystal structure of bis[6-amino-1,3-dimethyl-5-(2-ethyl)phenylazoniumuracil]tris(thiocyanato-s) cuprate(i). redetermination at 193 k.	Acta chemica scandinavica (copenhagen. 1989)	Articulo	1995
Heptahydrated monosodium salt of 6-amino-5-(2-carboxyphenyl)azouracil	Acta crystallographica. section c, crystal structure communications.	Articulo	1995

Orthometalation of 6-amino-1,3-dimethyl-5-phenylazouracil: crystal structure and spectroscopic properties of trans-[rh(iii)cl2(l)(h2o)] · 3h2o	Inorganica chimica acta	Articulo	1995
Oxidation of 5,6-diamino-1,3-dimethyl-uracil by metal-ions - structure of 1,3,6,8-tetramethyl-2,4,7,9(1h,3h,6h,8h)-pyrimido[4,5-g]pteridinetetrone	Acta crystallographica. section c, crystal structure communications.	Articulo	1995
Heterodinuclear copper(ii)-nickel(ii) complexes with unusual asymmetrical bridges from a new and versatile dioxime multidentate ligand - magnetostructural study	Inorganic chemistry	Articulo	1994
Magnetic-properties and crystal-structure of (mu-pyrazine)-bis[(aqua)(2,6-xylylaminodiacetato)copper(ii)] - a pyrazine-bridged dinuclear copper(ii) complex	Inorganica chimica acta	Articulo	1994
Synthesis and crystal-structure of the mu(2) (tris[bis(diphenylphosphine)methane])-mu(3)-3-methyl-8-ethylxanthin e-n,o,o]-mu(3)-chloro-triangle-tricopper(i)-water complex exhibiting a novel oxopurine coordination mode	Inorganica chimica acta	Articulo	1994
The first example of a discrete thiocyanatocuprate(i) anion. crystal structure of bis[6-amino-1,3-dimethyl-5-(2-ethyl)phenylazonium uracil] tris (thiocyanato-s) cuprate(i).	Acta chemica scandinavica (copenhagen. 1989)	Articulo	1994
The preparation, spectroscopic study and crystal-structures of 2 copper(ii) complexes of closely-related carboxyphenylazopyrimidine ligands, involving distorted square-pyramidal cun4o and cun3o2 chromophores	Polyhedron	Articulo	1994
Nuevos complejos homo y heteronucleares con ligandos tetradentados o3n y n4 derivados de pirimidinas 5,6 sustituidas. estudio magneto-estructural	Universidad de granada. química inorgánica	Tesis doctoral	1993
Structural and magnetic studies of a zigzag chain copper(ii) complex and a dipolar spin-coupled copper(ii) dimer with the versatile ligand 5-((2-carboxyphenyl)azo)-1,3-dimethylbarbituric acid	Journal of the chemical society. dalton transactions	Articulo	1993
Structure and magnetic-properties of a syn-anti carboxylate bridged linear trinuclear copper(ii) complex with ferromagnetic exchange interaction.	Inorganica chimica acta	Articulo	1993
Structure of potassium theobrominium tetrakis(thiocyanato)palladate(ii) monohydrate	Acta crystallographica. section c, crystal structure communications.	Articulo	1993
The (8-thiotheophyllinate) (triphenylphosphine) gold (i), (ttau): a new gold complex as an anticancer agent.	Biomedicine & pharmacotherapy	Articulo	1993
A novel example of a dinuclear copper(ii) complex bridged by only one pyrazolate ion: preparation, spectroscopic and magnetic-properties, and mnx force-field study	Acta chemica scandinavica (copenhagen. 1989)	Articulo	1992
Crystal structure and spectroscopic properties of a novel mixed-valence compound containing tetrabromocuprate(ii) and tribromocuprate(i) anions	Inorganic chemistry	Articulo	1992
Structural and magnetic studies of a syn-anti carboxylate-bridged helix-like chain copper(ii) complex	Inorganic chemistry	Articulo	1992
Synthesis, spectroscopic, magnetic properties and mnx force field study of two imidazolate-bridged dinuclear copper(ii) complexes	Transition metal chemistry	Articulo	1992
6-amino-1,3-dimethyl-5-(2-ethylphenylazonio)uracil bromide dihydrate	Acta crystallographica. section c, crystal structure communications.	Articulo	1991
A new hydrogen-bonded dinuclear complex involving copper(i) ions in a pseudotetrahedral n30 environment:	Inorganic chemistry	Articulo	1991

molecular and crystal structure and magnetic and spectroscopic properties	Inorganic chemistry	Artículo	1991
Gold(i) phosphine complexes: mercaptooxopurine base interactions. molecular and crystal structure of (8-mercaptotheophyllinato-s) (triphenylphosphine)gold(i)	Inorganic chemistry	Artículo	1991
Intracellular accumulation and cytotoxic effect of (8-thiotheophyllinate) (triphenylphosphine) gold(i) in friend leukemia cells.	Anticancer research: international journal of cancer research and treatment	Artículo	1991
8-(thiotheophyllinato)(thriphenylphosphine)gold(i) (ttpau): a new complex of therapeutic gold(i) ion	Metal ions in biology and medicine	Capítulo de libro	1990
8-thiatheophylline nitrato silver(i): spectroscopic characterization and crystal structure	Journal of crystallographic and spectroscopic research	Artículo	1990
A quasi-tetrahedral cud cluster with syn-anti bridging carboxylate groups: crystal and molecular structure and magnetic properties	Inorganic chemistry	Artículo	1990
Pd(ii) complexes of n,n'-coordinating arylazou–racil ligands: ir spectroscopy, thermal properties and x-ray crystal structure of trans-bis(6-amino-1,3-di–methyl-5-phenylazouracilato) pd(ii)	Journal of the chemical society. dalton transactions	Artículo	1990
Platinum and palladium complexes of 3-methyl orotic acid: a route toward palladium complexes with good antitumor activity	Journal of inorganic biochemistry	Artículo	1990
The crystal structure and electronic properties of the bis(1,3-dimethyl-6-amino uracilato) copper(ii) complex, dimethyl sulfoxide solvate- a new pseudotetrahedral cun4 complex.	Inorganica chimica acta	Artículo	1990
Thermal behaviour and crystal structure of dichloro[6-amino-1,3-dimethyl-5-(2-chlorophenylazo)uracilato] gold(iii)	Inorganica chimica acta	Artículo	1990
5-arylazoniumuracil dibromoaurates(i): x-ray crystal structure of bis(6-amino-1,3-dimethyl-5-phenylazonium uracil) dibromoaurate monobromide monohydrate, (dzh2)2(aubr2)brh2o, and growth inhibition of hela cells.	Inorganica chimica acta	Artículo	1989
Bromopalladates(ii) of xanthine derivatives. crystal structure of 1,3,8-trimethylxanthinium tribromopalladate(ii) monohydrate.	Inorganica chimica acta	Artículo	1989
Chlorogold(i) and gold(iii) complexes of 6-amino-1,3-dimethyl-5-arylaazouracil derivatives:ir spectroscopy, growth inhibition of hela cells and x-ray crystal structure of 6-amino-1,3-dimethyl-5-phenylazoniumuracil dichloroaurate (i)sesquihydrate	Inorganica chimica acta	Artículo	1989
Crystal structure and spectral properties of bis(6-amino-1,3-dimethyl-5-phenyl azonium uracil) tetra chloro cuprate(ii).	Acta chemica scandinavica (copenhagen. 1989)	Artículo	1989
Reactions of chloro–(triphenylphosphine) gold(i) and [i-1,2-bis(diphenylphosphine)ethane]-bis[bromogold(i)] with oxopu–rine bases. crystal structure and bonding of (theophyllinato–)(tr–iphenylphosphine)gold(i).	Journal of the chemical society. dalton transactions	Artículo	1989
Synthesis and structure of a 1:2 addition compound of mercuric chloride wiyh 6-amino-1,3-dimethyl-5-formyluracil.	Inorganica chimica acta	Artículo	1989
Synthesis, spectroscopic studies, and crystal structure of theophyllinium tetrabromopalladate(ii)	Journal of crystallographic and spectroscopic research	Artículo	1989
The antitumor activity of some palladium(ii) complexes	Anticancer research: international	Artículo	1989

with chelating ligands.	journal of cancer research and treatment	Articulo	1989
Estudio espectroscópico, magnético y estructural, por difracción de r-x, de los complejos los iones cu(ii), pt(ii), pd(ii), au(i) y au(iii) con derivados de 6-amino-5-arylazouracilo. estudio de su actividad biológica.	Universidad nacional de educación a distancia. química inorgánica	Tesis doctoral	1988
Importance of the purine-bases in the cyto-toxic properties of gold(i) complexes	Anticancer research: international journal of cancer research and treatment	Articulo	1988
Thermal decomposition of metal complexes of cimetidine	Termochimica acta	Articulo	1988
Thermal studies on purine complexes. part xiv. thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes.	Termochimica acta	Articulo	1988
Reductive properties of thioamides in complex formation. mixed-valence complexes of platinum from hydantoin	Phosphorous and sulfur	Articulo	1987
Thermal studies on ni(ii), cu(ii) and pd(ii) complexes of 6-amino-5-formyluracil and its n-methyl derivatives.	Journal of thermal analysis	Articulo	1987
Thermal studies on purine complexes. xiii. bromocomplexes of some alkylxanthine derivatives	Thermochimica acta	Articulo	1987
Caffeine complexes of mercury(i); crystal structure of [hg2(caffeine)2(no3)2]	Inorganica chimica acta	Articulo	1986
Complejos de cu(ii) y ag(i) con derivados de 8-azaxantina	Anales de química	Articulo	1986
Crystal structures of an antiallergic 8-azapurine(v-triazolo(4,5-d)pyrimidine) and its metal complex 3-methyl-8-azaxanthine monohydrate and trans-diamminobis(3-methyl-8-azaxanthinato)copper(ii) dihydrate	Chemical communications	Articulo	1986
Metal ions-purine interactions: dichloro-gold(iii) complexes of some theophylline derivatives	Monatshefte für chemie	Articulo	1986
Structure of bis(4-amino-1,2-dihydro-1-methyl-5-nitroso-2-oxo-6-pyrimidinolato-o,n)diaquazinc(ii) dihydrate.	Acta crystallographica. section c, crystal structure communications.	Articulo	1986
Thermal decomposition of 6-amino-1,3-dimethyl-5-phenylazouracil complexes of co(ii), ni(ii), cu(ii) and ag(i).	Journal of analytical and applied pyrolysis	Articulo	1986
Thermal studies on purine complexes. x. hexachloroplatinates(iv) of some xanthine derivatives.	Thermochimica acta	Articulo	1986
Effect of ionic strength and temperature on ionization constants and stability constants of 4-amino-1,6-dihydro-2-methylthio-5-nitroso-6-oxo-pyrimidine and its complexes with fe(ii), co(ii), ni(ii) and cu(ii).	Termochimica acta	Articulo	1985
Hexacloplatinatos(iv) de 8-alkuil-xantinas.	Anales de química	Articulo	1985
Metal ion-purine interactions: preparatiion ans study of some metal complexes of 8-ethyl-xanthine and 8-ethyl-3-methyl-xanthine.	Inorganica chimica acta	Articulo	1985
Palladium(ii) complexes of n-arylglycine derivatives.	Synthesis and reactivity in inorganic and metal-organic chemistry	Articulo	1985
Synthesis, characterization and thermal behaviour of some n-2,3-dimethyl-phenylglycine compounds of al(iii), mn(ii), fe(iii), y(iii), cd(ii), la(iii), ce(iii) and pb(ii).	Termochimica acta	Articulo	1985
Thermal and spectral studies on some tetrachloroaurates of 8-alkyltheophylline derivatives.	Journal of thermal analysis	Articulo	1985
Thermal and spectral studies on hexachloroplatinates(iv) of some alkyl-xanthines.	Thermochimica acta	Articulo	1985
Thermal behaviour of pd(ii) complexes of n-arylglycine derivatives.	Termochimica acta	Articulo	1985
Thermal behaviour of some 4-alkyl-6-amino-5-			

Thermal behaviour of some 4-glycopyranosylamine or nitroso-pyrimidine derivatives	Thermochemica acta	Articulo	1985
Thermal studies on metal complexes of 2-thiopyrimidines	Thermochemica acta	Articulo	1985
Thermal studies on purine complexes.ix. palladium(ii) complexes with 8-alkyl substituted theophyllines.	Termochimica acta	Articulo	1985
Thermal studies on purine metal complexes. viii. thermal behaviour of 8-ethylxanthine, 8-ethyl-3-methylxanthine and some of their metal complexes.	Termochimica acta	Articulo	1985
Zn(ii), cd(ii) and hg(ii) complexes of 6-amino-3-methyl-5-nitrosouracil.	Canadian journal of chemistry	Articulo	1985
Complejos de ag(i) con xantina y algunos de sus derivados metilados.	Anales de química	Articulo	1984
Complejos metálicos de derivados 4-amino-5-nitroso-pirimidínicos.	Anales de química	Articulo	1984
Complexes of theophylline with cd(ii), hg(ii) and hg(i) ions	Revue de chimie minérale	Articulo	1984
La xantina y sus derivados metilados como ligandos. i. síntesis y caracterización de varios teofilinatos complejos de co(ii), cu(ii), ag(i), zn(ii) y cd(ii)	Anales de química	Articulo	1984
La xantina y sus derivados metilados como ligandos:ii. síntesis y caracterización de los ligandos teobromina, 3,8-dimetilxantina y 1,3,8-trimetilxantina y sus compuestos de ag(i).	Anales de química	Articulo	1984
Silver(i) complexes of 6-amino-5-nitroso-uracil and its methylated derivatives	Revue de chimie minérale	Articulo	1984
Tetraclorocupratos de teofilinio y 3,8-dimetilxantio	Anales de química	Articulo	1984
Thermal studies on metal purine complexes.vi. thermal behaviour of some ag(i) and hg(i) complexes of xanthine derivatives	Thermochemica acta	Articulo	1984
Thermal studies on purine complexes. vii. 8-theophylline derivatives and their silver(i) complexes.	Termochimica acta	Articulo	1984
Thermal studies on purine complexes.v. thermal behaviour of tetrachloropalladates of theophylline and theobromine and theophylline complexes of cd(ii) and hg(ii).	Termochimica acta	Articulo	1984
1,3,8-trimethylxanthine complexes of cu(ii), zn(ii), cd(ii) and hg(ii).	Canadian journal of chemistry	Articulo	1983
Thermal behaviour of xanthinium salts of zn(ii), cd(ii) and hg(ii).	Journal of thermal analysis	Articulo	1983
Thermal studies on purine complexes. iii. palladium complexes of xanthine and some xanthine derivatives.	Termochimica acta	Articulo	1983
Thermal studies on purine complexes.i. thermal behaviour of some xanthine complexes of cobalt(ii), copper(ii) and cadmiun(ii).	Termochimica acta	Articulo	1983
Thermal studies on purine complexes.ii. thermal behaviour of some metal complexes of theophylline.	Termochimica acta	Articulo	1983
Thermal studies on purine complexes.iv. thermal behaviour of some tetrachloroaurates of xanthine derivatives.	Thermochemica acta	Articulo	1983

	Título proyecto	Tipo	Inicio	Fin
1	Espectrómetro de fotoluminiscencia	Proyecto	1/1/16	12/31/18
2	Desarrollo y procesamiento de materiales moleculares magnéticos y/o luminiscentes basados en compuestos de coordinación	Proyecto	1/1/15	12/31/18
3	Materiales magnéticos funcionales basados en compuestos de coordinación y su procesamiento como nanopartículas	Proyecto	1/1/12	12/31/15
4	Síntesis y aplicación biomédica de compuestos de coordinación multifuncionales en el tratamiento de pacientes de diabetes. nanotransporte de fármacos basado en MOFs	Proyecto	1/1/13	12/31/13
5	Nanocompuestos multimodales basados en nanopartículas de sílice y oro funcionalizadas con complejos metálicos que presentan propiedades magnéticas y/o luminiscentes	Proyecto	1/1/12	12/31/12
6	Materiales magnéticos con propiedades funcionales basados en compuestos de coordinación	Proyecto	1/1/09	12/31/11
7	Contrato de reincorporación de doctores	Contrato	1/1/09	12/31/09
8	Nuevos materiales magnéticos funcionales basados en compuestos de coordinación polinucleares	Proyecto	12/31/05	12/31/08
9	Contrato de reincorporación de doctores	Contrato	12/1/05	12/31/08
10	Materiales moleculares magnéticos basados en compuestos de coordinación	Proyecto	1/1/07	12/31/07
11	Materiales moleculares magnéticos basados en compuestos de coordinación	Proyecto	1/1/06	12/31/06
12	Aprovechamiento de biomasa vegetal, subproductos y residuos agro-industriales en la producción de energía	Proyecto	1/1/03	12/31/05
13	Nanostructured magnetic molecular systems	Proyecto	5/19/04	5/20/05
14	Cianometalatos como precursores de imanes moleculares y materiales magnéticos duales	Proyecto	12/1/98	12/1/01
15	Elaboración y estudio de materiales densificados combustibles de sustitución	Proyecto	1/1/00	12/31/00
16	Diseño, estructura molecular y propiedades magnéticas de nuevos sistemas polimetálicos	Proyecto	7/1/95	7/1/98
17	Complejos bimetalicos con ligandos puente poliatómicos oximato y oxamato, como precursores de imanes moleculares. preparación, estudio estructural y magnético	Proyecto	6/22/92	6/22/95
18	Preparación, caracterización estructural y magnética de complejos de Cu(II) dinucleares por enlaces de hidrógeno y tetranucleares con grupos carboxilato puente. correlaciones magnetoestructurales.	Proyecto	9/22/89	9/21/92

Actividades 0

Título actividad	Fuente	Tipo	Fecha
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- JOSÉ MARÍA MORENO SÁNCHEZ (31)
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- ALEJANDRO LAPRESTA FERNANDEZ (3)
- ANTONIO A. GARCIA RODRIGUEZ (2)
- ANTONIO NAVARRETE GUIJOSA (2)
- FERNANDO NIETO GARCÍA (2)
- ISMAEL FRANCISCO DÍAZ ORTEGA (2)
- MANUEL PEGALAJAR CUÉLLAR (2)
- MARIA DEL CARMEN PEGALAJAR JIMENEZ (2)
- ALBERTO FERNANDEZ GUTIERREZ (1)
- ANTONIO SEGURA CARRETERO (1)
- CRISTINA SÁNCHEZ GONZÁLEZ (1)
- JOAQUIN ISAC GARCIA (1)
- JOSÉ DANIEL MARTÍN RAMOS (1)
- JUAN DE DIOS LÓPEZ-GONZÁLEZ GARRIDO (1)
- JUAN LLOPIS GONZÁLEZ (1)
- LAURA MÉNDEZ LIÑÁN (1)
- LUIS ALVAREZ DE CIENFUEGOS RODRIGUEZ (1)
- MANUEL JOSÉ PÉREZ MENDOZA (1)
- MANUEL MELGOSA LATORRE (1)
- MIGUEL QUIRÓS OLOZÁBAL (1)