

Paloma Arranz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Non-covalent Functionalization of Graphene to Tune Its Band Gap and Stabilize Metal Nanoparticles on Its Surface. ACS Omega, 2020, 5, 18849-18861.	1.6	17
2	Polyfunctional Tetraaza-Macrocyclic Ligands: Zn(II), Cu(II) Binding and Formation of Hybrid Materials with Multiwalled Carbon Nanotubes. ACS Omega, 2017, 2, 3868-3877.	1.6	20
3	Construction of green nanostructured heterogeneous catalysts via non-covalent surface decoration of multi-walled carbon nanotubes with Pd(II) complexes of azamacrocycles. Journal of Catalysis, 2017, 353, 239-249.	3.1	27
4	New hybrid materials based on the grafting of Pd(II)-amino complexes on the graphitic surface of AC: preparation, structures and catalytic properties. RSC Advances, 2016, 6, 58247-58259.	1.7	8
5	Preparation and characterization of trihydroxamic acid functionalized carbon materials for the removal of Cu(II) ions from aqueous solution. Applied Surface Science, 2016, 387, 128-138.	3.1	12
6	Binding and removal of octahedral, tetrahedral, square planar and linear anions in water by means of activated carbon functionalized with a pyrimidine-based anion receptor. RSC Advances, 2014, 4, 58505-58513.	1.7	26
7	Novel active carbon/crown ether derivative hybrid material for the selective removal of Cu(II) ions: The crucial role of the surface chemical functions. Chemical Engineering Science, 2014, 114, 94-104.	1.9	10
8	Supramolecular assembling of molecular ion-ligands on graphite-based solid materials directed to specific binding of metal ions. Inorganica Chimica Acta, 2014, 417, 208-221.	1.2	13
9	Effect of the surface chemical groups of activated carbons on their surface adsorptivity to aromatic adsorbates based on π - π interactions. Materials Chemistry and Physics, 2014, 143, 1489-1499.	2.0	25
10	Thermodynamics of Anion- π Interactions in Aqueous Solution. Journal of the American Chemical Society, 2013, 135, 102-105.	6.6	71
11	Transferring the properties of molecular receptors to the carbon surface in hybrid materials: The crucial role of porous texture. Materials Chemistry and Physics, 2012, 134, 608-615.	2.0	8
12	Molecular recognition of ADP over ATP in aqueous solution by a polyammonium receptor containing a pyrimidine residue. Chemical Communications, 2011, 47, 2814.	2.2	22
13	Binding and recognition of AMP, ADP, ATP and related inorganic phosphate anions by a tren-based ligand containing a pyrimidine functionality. New Journal of Chemistry, 2011, 35, 1883.	1.4	21
14	Binding and Removal of Sulfate, Phosphate, Arsenate, Tetrachloromercurate, and Chromate in Aqueous Solution by Means of an Activated Carbon Functionalized with a Pyrimidine-Based Anion Receptor (HL). Crystal Structures of $[H_3L(HgCl_4)] \cdot H_2O$ and $[H_3L(HgBr_4)] \cdot H_2O$ Showing Anion- π Interactions. Inorganic Chemistry, 2010, 49, 9321-9332.	1.9	38
15	catena-Poly[[[aquachloridocopper(II)]- μ_4 -N-(6-amino-3-methyl-5-nitroso-4-oxo-3,4-dihydropyrimidin-2-yl)glycinato] monohydrate] redetermined at 120 K: a highly polarized ligand within coordination polymer chains linked by hydrogen bonds. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, m231-m234.	0.4	0
16	Study of the adsorption capacity to Co^{2+} , Ni^{2+} and Cu^{2+} ions of an active carbon/functionalized polyamine hybrid material. Polyhedron, 2009, 28, 3781-3787.	1.0	21
17	Adsorption of Metal Ions on an Activated Carbon/L-Lysine Derivative Hybrid Compound. European Journal of Inorganic Chemistry, 2008, 2008, 1095-1106.	1.0	15
18	Study of protonation and Zn(II), Cd(II), Cu(II) and Mn(II) complexation with a glutamic acid N-pyrimidine derivative: Crystal structure of a neutral Cd(II) complex of the bianionic ligand. Polyhedron, 2008, 27, 623-632.	1.0	10

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19	Adsorption of a designed l-glutamic acid-pyrimidine derivative ligand on an activated carbon for the removal of Cu(II) from aqueous solution. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 445-451.	2.2	9
20	Adsorption of Designed Pyrimidine Derivative Ligands on an Activated Carbon for the Removal of Cu(II) Ions from Aqueous Solution. <i>Langmuir</i> , 2007, 23, 5995-6003.	1.6	33
21	Adsorption of Zn ²⁺ and Cd ²⁺ from Aqueous Solution onto a Carbon Sorbent Containing a Pyrimidine-Polyamine Conjugate as Ion Receptor. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3093-3103.	1.0	29
22	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)leucine: a three-dimensional hydrogen-bonded framework structure. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o548-o550.	0.4	0
23	Ligand Adsorption on an Activated Carbon for the Removal of Chromate Ions from Aqueous Solutions. <i>Langmuir</i> , 2005, 21, 6908-6914.	1.6	43
24	N-(3-Methyl-4-oxo-3,4-dihydropteridin-2-yl)glycine: hydrogen-bonded sheets of R44(22) and R44(30) rings. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, o795-o797.	0.4	1
25	Hydrated metal(II) complexes of N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl) derivatives of glycine, glycyglycine, threonine, serine, valine and methionine: a monomeric complex and coordination polymers in one, two and three dimensions linked by hydrogen bonding. <i>Acta Crystallographica Section B: Structural Science</i> , 2004, 60, 46-64.	1.8	17
26	Protonation and Zn(II) complexation with versatile valine and glycyglycine N-pyrimidines derivatives: crystal structures of layered {[Zn(HL1)2]·2H ₂ O} _n and [Zn(HL2)2(H ₂ O) ₄]. <i>Inorganica Chimica Acta</i> , 2004, 357, 2007-2014.	1.2	15
27	Bifunctional pyrimidine-amino-acid ligands: solution study and crystal structure of a Mn(II) chain alternating six- and sevenfold coordination environments. <i>Inorganica Chimica Acta</i> , 2003, 355, 41-48.	1.2	13
28	Bis[1/4-6-amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato-1/3O ₄ ,N5:O5]-di-1/4-aqua-bis{diaqua[6-amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato-1/3O ₄ ,N5:O5]} centrosymmetric dimers containing nine-coordinate Sr, linked by multiple hydrogen bonds into a three-dimensional framework. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, m21-m24.	0.4	1
29	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)-(S)-glutamic acid: a three-dimensional framework structure built from O ⁺ H...O, N ⁺ H...O and O ⁺ H...N hydrogen bonds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o210-o212.	0.4	2
30	AmmoniumN-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinate monohydrate forms hydrogen-bonded bilayers. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o326-o328.	0.4	0
31	Energy transfer between polyamine chains bearing naphthalene terminal units and K ₃ [Co(CN) ₆]: an example of a molecular photoreactor. <i>Dalton Transactions RSC</i> , 2002, , 3024-3028.	2.3	2
32	catena-Poly[[[N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinato-O]pentaquastrontium]-1/4-N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinate] monohydrate]: coordination polymer chains linked by hydrogen bonds into a three-dimensional framework. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m61-m64.	0.4	0
33	The supramolecular structure of N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycyglycinate contains a unique O ⁺ H...N(nitroso) hydrogen bond. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o942-o945.	0.2	3
34	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 184-190.	0.7	7
35	[N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycyglycinate]aquapotassium, a three-dimensional coordination polymer. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 534-537.	0.4	2
36	Bis[N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycyglycinate]triaquacalcium: coordination polymer chains linked by hydrogen bonds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 680-682.	0.4	3

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37	[6-Amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato]sodium dihydrate at 150 K: coordination-polymer ladders linked by hydrogen bonds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 918-921.	0.4	1
38	Hydrated metal complexes of N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinate: interplay of molecular, molecularâ€“electronic and supramolecular structures. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 317-328.	1.8	6
39	Title is missing!. <i>Transition Metal Chemistry</i> , 2001, 26, 581-587.	0.7	8
40	Solution and solid study of Zn(II) and Cd(II) complexes with N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxo-pyrimidin-2-yl)glycine as ligand. Crystal structures of $[ZnL_2(H_2O)_4] \cdot 6H_2O$ and $\{[Cd(\frac{1}{4}L)Cl(H_2O)_2] \cdot H_2O\}$. <i>Inorganica Chimica Acta</i> , 2000, 304, 137-143.	1.2	16
41	Solution study and 2-D layered structures of zinc(II) and cadmium(II) complexes with N-2-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidinyl)-l-methionine as ligand. <i>Inorganica Chimica Acta</i> , 2000, 308, 59-64.	1.2	16
42	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl) derivatives of glycine, valine, serine, threonine and methionine: interplay of molecular, molecularâ€“electronic and supramolecular structures. <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 882-892.	1.8	22
43	Synthesis and structural characterization of Zn (II), Ag (I) and Pd (II) complexes with 2,4-diamino-5-nitroso-6-oxopyrimidine. Crystal and molecular structure of $[ZnCl_2(L)(H_2O)]$ and $[Ag(NO_3)(L)_2]$. <i>Polyhedron</i> , 1999, 18, 689-693.	1.0	6
44	Coordination modes of N-2-(4-amino-1-methyl-5-nitroso-6-oxo-1,6-dihydropyrimidinyl) potassium		