

# Paloma Arranz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4164256/publications.pdf>

Version: 2024-02-01

48  
papers

669  
citations

516561

16  
h-index

610775

24  
g-index

49  
all docs

49  
docs citations

49  
times ranked

553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamics of Anion-π Interactions in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2013, 135, 102-105.	6.6	71
2	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
3	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 $[H_3L(HgCl_4)] \cdot 2H_2O$ and $[H_3L(HgBr_4)] \cdot 2H_2O$ Showing Anion-π Interactions. <i>Inorganic Chemistry</i> , 2010, 49, 9321-9332.	1.9	38
4	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
5	Adsorption of Zn <sup>2+</sup> and Cd <sup>2+</sup> 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
6	Construction of green nanostructured heterogeneous catalysts via non-covalent surface decoration of multi-walled carbon nanotubes with Pd(II) complexes of azamacrocycles. <i>Journal of Catalysis</i> , 2017, 353, 239-249.	3.1	27
7	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. <i>RSC Advances</i> , 2014, 4, 58505-58513.	1.7	26
8	Effect of the surface chemical groups of activated carbons on their surface adsorptivity to aromatic adsorbates based on π-π interactions. <i>Materials Chemistry and Physics</i> , 2014, 143, 1489-1499.	2.0	25
9	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, molecular-π electronic and supramolecular structures. <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 882-892.	1.8	22
10	Molecular recognition of ADP over ATP in aqueous solution by a polyammonium receptor containing a pyrimidine residue. <i>Chemical Communications</i> , 2011, 47, 2814.	2.2	22
11	Study of the adsorption capacity to Co <sup>2+</sup> , Ni <sup>2+</sup> and Cu <sup>2+</sup> ions of an active carbon/functionalized polyamine hybrid material. <i>Polyhedron</i> , 2009, 28, 3781-3787.	1.0	21
12	Binding and recognition of AMP, ADP, ATP and related inorganic phosphate anions by a tren-based ligand containing a pyrimidine functionality. <i>New Journal of Chemistry</i> , 2011, 35, 1883.	1.4	21
13	Solution-π solid-state study of the system Cu(II)/N-2-(4-amino-1,6-dihydro-1-methyl-5-nitroso-6-oxopyrimidinyl)glycine.. <i>Polyhedron</i> , 1999, 18, 1635-1640.	1.0	20
14	Polyfunctional Tetraaza-Macrocyclic Ligands: Zn(II), Cu(II) Binding and Formation of Hybrid Materials with Multiwalled Carbon Nanotubes. <i>ACS Omega</i> , 2017, 2, 3868-3877.	1.6	20
15	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
16	Non-covalent Functionalization of Graphene to Tune Its Band Gap and Stabilize Metal Nanoparticles on Its Surface. <i>ACS Omega</i> , 2020, 5, 18849-18861.	1.6	17
17	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 $\{[Cd(\frac{1}{4}L)Cl(H_2O)_2] \cdot AH_2O\}$ . <i>Inorganica Chimica Acta</i> , 2000, 304, 137-143.	1.2	16
18	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

#	ARTICLE	IF	CITATIONS
19	Protonation and Zn(II) complexation with versatile valine and glycylglycine N-pyrimidines derivatives: crystal structures of layered $\{[Zn(HL1)_2] \cdot 2H_2O\}_n$ and $[Zn(HL2)_2(H_2O)_4]$ . <i>Inorganica Chimica Acta</i> , 2004, 357, 2007-2014.	1.2	15
20	Adsorption of Metal Ions on an Activated Carbon/L-Lysine Derivative Hybrid Compound. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1095-1106.	1.0	15
21	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
22	Supramolecular assembling of molecular ion-ligands on graphite-based solid materials directed to specific binding of metal ions. <i>Inorganica Chimica Acta</i> , 2014, 417, 208-221.	1.2	13
23	Preparation and characterization of trihydroxamic acid functionalized carbon materials for the removal of Cu(II) ions from aqueous solution. <i>Applied Surface Science</i> , 2016, 387, 128-138.	3.1	12
24	Title is missing!. <i>Transition Metal Chemistry</i> , 1998, 23, 501-505.	0.7	10
25	Coordination modes of N-2-(4-amino-1-methyl-5-nitroso-6-oxo-1,6-dihydropyrimidinyl) potassium		

#	ARTICLE	IF	CITATIONS
37	Hexaaquazinc(II) bis[N-(4-amino-1-methyl-5-nitroso-6-oxo-1,6-dihydropyrimidin-2-yl)glycinate] dihydrate. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 2049-2051.	0.4	2
38	[N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycylglycinato]aquapotassium, a three-dimensional coordination polymer. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 534-537.	0.4	2
39	Energy transfer between polyamine chains bearing naphthalene terminal units and K <sub>3</sub> [Co(CN) <sub>6</sub> ]: an example of a molecular photoreactor. Dalton Transactions RSC, 2002, , 3024-3028.	2.3	2
40	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)-(S)-glutamic acid: a three-dimensional framework structure built from Oâ€”H...O, Nâ€”H...O and Oâ€”H...N hydrogen bonds. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o210-o212.	0.4	2
41	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)methionine. Acta Crystallographica Section C: Crystal Structure Communications, 1999, 55, 1727-1730.	0.4	1
42	[6-Amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato]sodium dihydrate at 150â€”K: coordination-polymer ladders linked by hydrogen bonds. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 918-921.	0.4	1
43	Bis[ $\frac{1}{4}$ -6-amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato- $\frac{1}{3}$ O <sub>4</sub> N <sub>5</sub> O <sub>5</sub> ]-di- $\frac{1}{4}$ -aqua-bis{diaqua[6-amino-3-methyl-5-nitrosopyrimidine-2,4(1H,3H)-dionato]sodium} coordination polymer ladders containing nine-coordinate Sr, linked by multiple hydrogen bonds into a three-dimensional framework. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, m21-m24.	0.4	1
44	N-(3-Methyl-4-oxo-3,4-dihydropteridin-2-yl)glycine: hydrogen-bonded sheets of R <sub>44</sub> (22) and R <sub>44</sub> (30) rings. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o795-o797.	0.4	1
45	catena-Poly[[[N-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinato-O]pentaquastrontium]- $\frac{1}{4}$ -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. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m61-m64.	0.4	0
46	AmmoniumN-(6-amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)glycinate monohydrate forms hydrogen-bonded bilayers. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o326-o328.	0.4	0
47	N-(6-Amino-3,4-dihydro-3-methyl-5-nitroso-4-oxopyrimidin-2-yl)leucine: a three-dimensional hydrogen-bonded framework structure. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, o548-o550.	0.4	0
48	catena-Poly[[[aquachloridocopper(II)]- $\frac{1}{4}$ -N-(6-amino-3-methyl-5-nitroso-4-oxo-3,4-dihydropyrimidin-2-yl)glycinato] monohydrate] redetermined at 120â€”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