Pilar Amo-Ochoa

List of Publications by Year
in descending order

87 papers	2,633 citations	218592 26 h-index	197736 49 g-index
92 all docs	92 docs citations	92 times ranked	3501 citing authors

#	Article	IF	Citations
1	Electrical conductive coordination polymers. Chemical Society Reviews, 2012, 41, 115-147.	18.7	546
2	Single layers of a multifunctional laminar Cu(i,ii) coordination polymer. Chemical Communications, 2010, 46, 3262.	2.2	225
3	MasterChem: cooking 2D-polymers. Chemical Communications, 2016, 52, 4113-4127.	2.2	104
4	Coordination polymers with nucleobases: From structural aspects to potential applications. Coordination Chemistry Reviews, 2014, 276, 34-58.	9.5	101
5	Cyclic Metal Complexes of Nucleobases and Other Heterocycles: Molecular Boxes, Rectangles, and Hexagons. Angewandte Chemie International Edition in English, 1997, 36, 1296-1301.	4.4	91
6	Microwave assisted hydrothermal synthesis of a novel CuI-sulfate-pyrazine MOF. Inorganic Chemistry Communication, 2007, 10, 921-924.	1.8	85
7	Perspectives of the smart Cu-Iodine coordination polymers: A portage to the world of new nanomaterials and composites. Coordination Chemistry Reviews, 2019, 381, 65-78.	9.5	75
8	From Coordination Polymer Macrocrystals to Nanometric Individual Chains. Advanced Materials, 2005, 17, 1761-1765.	11.1	73
9	Unprecedented Centimeterâ€Long Carbon Nitride Needles: Synthesis, Characterization and Applications. Small, 2018, 14, e1800633.	5.2	64
10	Assembling of Dimeric Entities of Cd(II) with 6-Mercaptopurine to Afford One-Dimensional Coordination Polymers:â€‰ Synthesis and Scanning Probe Microscopy Characterization. Inorganic Chemistry, 2006, 45, 7642-7650.	1.9	52
11	Preparation and Characterization of Platinum(II) and (IV) Complexes of 1,3-Diaminepropane and 1,4-Diaminebutane:Â Circumvention of Cisplatin Resistance and DNA Interstrand Cross-Link Formation in CH1cisR Ovarian Tumor Cells. Journal of Medicinal Chemistry, 2002, 45, 1835-1844.	2.9	44
12	Synthesis of Designed Conductive One-Dimensional Coordination Polymers of Ni(II) with 6-Mercaptopurine and 6-Thioguanine. Inorganic Chemistry, 2009, 48, 7931-7936.	1.9	44
13	Smart composite films of nanometric thickness based on copperâ€“iodine coordination polymers. Toward sensors. Chemical Science, 2018, 9, 8000-8010.	3.7	44
14	Direct evidence of nanowires formation from a Cu(i) coordination polymer. Chemical Communications, 2008, , 945-947.	2.2	43
15	Luminescent Thermochromism of 2D Coordination Polymers Based on Copper(I) Halides with 4â€Hydroxythiophenol. Chemistry - A European Journal, 2016, 22, 18027-18035.	1.7	43
16	Multistimuli Response Microâ€and Nanolayers of a Coordination Polymer Based on Cu₂I₂ Chains Linked by 2â€Aminopyrazine. Small, 2017, 13, 1700965.	5.2	43
17	Multifunctional Copper(I) Coordination Polymers with Aromatic Mono- and Ditopic Thioamides. Inorganic Chemistry, 2019, 58, 3290-3301.	1.9	42
18	Chemically Resistant, Shapeable, and Conducting Metalâ€Organic Gels and Aerogels Built from Dithiooxamidato Ligand. Advanced Functional Materials, 2017, 27, 1605448.	7.8	40

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19	5,5â€²-Diuracilyl Species from Uracil and [AuCl4]â^': Nucleobase Dimerization Brought about by a Metal. Angewandte Chemie - International Edition, 1999, 38, 2274-2275.	7.2	39
20	Semiconductive and Magnetic One-Dimensional Coordination Polymers of Cu(II) with Modified Nucleobases. Inorganic Chemistry, 2013, 52, 11428-11437.	1.9	38
21	Reversible stimulus-responsive Cu(<scp>i</scp>) iodide pyridine coordination polymer. Chemical Communications, 2015, 51, 14306-14309.	2.2	35
22	3D Printing of a Thermoâ€•and Solvatochromic Composite Material Based on a Cu(II)â€“Thymine Coordination Polymer with Moisture Sensing Capabilities. Advanced Functional Materials, 2019, 29, 1808424.	7.8	35
23	Electrical Conductivity and Strong Luminescence in Copper Iodide Double Chains with Isonicotinato Derivatives. Chemistry - A European Journal, 2015, 21, 17282-17292.	1.7	31
24	Reversible recrystallization process of copper and silver thioacetamideâ€“halide coordination polymers and their basic building blocks. CrystEngComm, 2014, 16, 8224-8231.	1.3	28
25	Strong luminescent copper(<scp>i</scp>) halide coordination polymers and dinuclear complexes with thioacetamide and N,Nâ€²-donor ligands. CrystEngComm, 2016, 18, 1809-1817.	1.3	28
26	Synthesis, characterization, and DNA modification induced by a novel Pt-berenil compound with cytotoxic activity. Journal of Inorganic Biochemistry, 1996, 63, 57-68.	1.5	27
27	Coordination Chemistry of 6-Thioguanine Derivatives with Cobalt: Toward Formation of Electrical Conductive One-Dimensional Coordination Polymers. Inorganic Chemistry, 2013, 52, 5290-5299.	1.9	27
28	Cytotoxicity, DNA binding, and reactivity against nucleosides of platinum (II) and (IV) spermine compounds. Journal of Inorganic Biochemistry, 1996, 64, 287-299.	1.5	25
29	Copper(II)â€“Thymine Coordination Polymer Nanoribbons as Potential Oligonucleotide Nanocarriers. Angewandte Chemie - International Edition, 2017, 56, 987-991.	7.2	24
30	An unusual triple parallel interpenetrated 2D Cu-polymer, with a 3D triple interpenetration via H-bonding. CrystEngComm, 2007, 9, 987.	1.3	23
31	Asymmetric and Symmetric Dicopper(II) Paddle-Wheel Units with Modified Nucleobases. Crystal Growth and Design, 2015, 15, 5485-5494.	1.4	22
32	Supramolecular Interactions Modulating Electrical Conductivity and Nanoprocessing of Copperâ€“Iodine Double-Chain Coordination Polymers. Inorganic Chemistry, 2018, 57, 7568-7577.	1.9	22
33	Interguanine hydrogen-bonding patterns in adducts with water and Znâ€“purine complexes (purine is) Tj ETQq1 1 0.784314 rgBT /Ove Journal of Biological Inorganic Chemistry, 2007, 12, 543-555.	1.1	20
34	Stabilization of the non-canonical adenineâ€“adeninium base pair by N(7) coordination of Zn(II). Journal of Inorganic Biochemistry, 2005, 99, 2226-2230.	1.5	19
35	Models of Putative (AH)G(AH)G Nucleobase Quartets. Angewandte Chemie - International Edition, 2005, 44, 5670-5674.	7.2	19
36	Halo and Pseudohalo Cu(I)-Pyridinato Double Chains with Tunable Physical Properties. Inorganic Chemistry, 2015, 54, 10738-10747.	1.9	19

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37	Unusual Dimeric Zn(II)-cytosine complexes: New models of the interaction of Zn(II) with DNA and RNA. Journal of Inorganic Biochemistry, 2008, 102, 203-208.	1.5	16
38	The role of coordination compounds in virus research. Different approaches and trends. Dalton Transactions, 2021, 50, 2310-2323.	1.6	16
39	Structure and Properties of One-Dimensional Heterobimetallic Polymers Containing Dicyanoaurate and Dirhodium(II) Fragments. Inorganic Chemistry, 2012, 51, 5844-5849.	1.9	15
40	A crystalline and free-standing silver thiocarboxylate thin-film showing high green to yellow luminescence. Journal of Materials Chemistry C, 2016, 4, 8545-8551.	2.7	15
41	One-Pot Preparation of Mechanically Robust, Transparent, Highly Conductive, and Memristive Metalâ€“Organic Ultrathin Film. ACS Nano, 2018, 12, 10171-10177.	7.3	15
42	Structural Diversity in Paddlewheel Dirhodium(II) Compounds through Ionic Interactions: Electronic and Redox Properties. Crystal Growth and Design, 2013, 13, 4977-4985.	1.4	14
43	Gas Sensors Based on Copperâ€Containing Metalâ€Organic Frameworks, Coordination Polymers, and Complexes. ChemPlusChem, 2020, 85, 1564-1579.	1.3	14
44	Self-Assembly of 1D/2D Hybrid Nanostructures Consisting of a Cd(II) Coordination Polymer and NiAl-Layered Double Hydroxides. Polymers, 2016, 8, 5.	2.0	13
45	High Electrical Conductivity of Single Metalâ€“Organic Chains. Advanced Materials, 2018, 30, e1705645.	11.1	13
46	Multifunctional coordination polymers based on copper(<scp>i</scp>) and mercaptonicotinic ligands: synthesis, and structural, optical and electrical characterization. Dalton Transactions, 2020, 49, 10545-10553.	1.6	12
47	Synergistic Doping and Surface Decoration of Carbon Nitride Macrostructures by Single Crystal Design. ACS Applied Energy Materials, 2021, 4, 1868-1875.	2.5	12
48	A way to obtain cyclopalladation of unsubstituted 2-phenylimidazole derivatives. Journal of Organometallic Chemistry, 1996, 522, 97-103.	0.8	11
49	MMX Chains and Molecular Species Containing Rh2n+ (n = 4, 5, and 6) Units: Electrical Conductivity in Crystal Phase of MMX Polymers. European Journal of Inorganic Chemistry, 2010, 2010, 4924-4932.	1.0	11
50	Electrical Bistability around Room Temperature in an Unprecedented One-Dimensional Coordination Magnetic Polymer. Inorganic Chemistry, 2013, 52, 5943-5950.	1.9	11
51	Cunning defects: emission control by structural point defects on Cu(<scp>i</scp>)I double chain coordination polymers. Journal of Materials Chemistry C, 2020, 8, 1448-1458.	2.7	11
52	Cu(I)â€“I-2,4-diaminopyrimidine Coordination Polymers with Optoelectronic Properties as a Proof of Concept for Solar Cells. Inorganic Chemistry, 2021, 60, 1208-1219.	1.9	11
53	Cu(i), Co(ii) and Fe(ii) coordination polymers with pyrazine and benzoate as ligands. Spin crossover, spin canting and metamagnetism phenomena. Dalton Transactions, 2013, 42, 13453.	1.6	10
54	Reversible transformation between Cu(<scp>i</scp>)-thiophenolate coordination polymers displaying luminescence and electrical properties. CrystEngComm, 2019, 21, 3232-3239.	1.3	10

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55	Advances and Novel Perspectives on Colloids, Hydrogels, and Aerogels Based on Coordination Bonds with Biological Interest Ligands. Nanomaterials, 2021, 11, 1865.	1.9	10
56	Synthesis of several Palladium complexes derived. Journal of Inorganic Biochemistry, 1997, 68, 257-263.	1.5	9
57	Direct Formation of Sub-Micron and Nanoparticles of a Bioinspired Coordination Polymer Based on Copper with Adenine. Polymers, 2017, 9, 565.	2.0	9
58	Cu(<scp>i</scp>)â€“I coordination polymers as the possible substitutes of lanthanides as downshifters for increasing the conversion efficiency of solar cells. Dalton Transactions, 2020, 49, 4315-4322.	1.6	9
59	New Promises and Opportunities in 3D Printable Inks Based on Coordination Compounds for the Creation of Objects with Multiple Applications. Chemistry - A European Journal, 2021, 27, 2887-2907.	1.7	9
60	Supramolecular Chemistry of Metalâ€“Nucleobase Complexes. , 0, , 95-132.		8
61	Fast and efficient direct formation of size-controlled nanostructures of coordination polymers based on copper(<scp>i</scp>)â€“iodine bearing functional pyridine terminal ligands. Dalton Transactions, 2018, 47, 5607-5613.	1.6	8
62	Multifunctional coordination polymers based on copper with modified nucleobases, easily modulated in size and conductivity. Journal of Inorganic Biochemistry, 2019, 200, 110805.	1.5	8
63	Micro and Nano Smart Composite Films Based on Copper-Iodine Coordination Polymer as Thermochromic Biocompatible Sensors. Polymers, 2019, 11, 1047.	2.0	8
64	Fluorescent Carbon Nitride Macrostructures Derived from Triazineâ€Based Cocrystals. Advanced Optical Materials, 2021, 9, 2100683.	3.6	8
65	Crystallization Induced Enhanced Emission in Two New Zn(II) and Cd(II) Supramolecular Coordination Complexes with the 1-(3,4-Dimethylphenyl)-5-Methyl-1H-1,2,3-Triazole-4-Carboxylate Ligand. Polymers, 2020, 12, 1756.	2.0	7
66	Synthesis of metal-free lightweight materials with sequence-encoded properties. Journal of Materials Chemistry A, 2020, 8, 8752-8760.	5.2	7
67	Rhodium and copper 6-methylpicolinate complexes. Structural diversity and supramolecular interaction study. Inorganica Chimica Acta, 2016, 453, 574-582.	1.2	6
68	The role of defects in the properties of functional coordination polymers. Advances in Inorganic Chemistry, 2020, 76, 73-119.	0.4	6
69	Multi-stimulus semiconductor Cu(<scp>i</scp>)â€“I-pyrimidine coordination polymer with thermo- and mechanochromic sensing. CrystEngComm, 2022, 24, 341-349.	1.3	6
70	Substituent and Noncovalent Interaction Effects in the Reactivity of Purine Derivatives with Tetracarboxylato-dirhodium(II) Units. Rationalization of a Rare Binding Mode via N3. Inorganic Chemistry, 2013, 52, 2174-2181.	1.9	5
71	Supramolecular interactions in Cobalt(II)â€“nucleobases complexes: A methyl matter. Inorganica Chimica Acta, 2016, 452, 251-257.	1.2	5
72	A bioinspired metalâ€“organic approach to cross-linked functional 3D nanofibrous hydro- and aero-gels with effective mixture separation of nucleobases by molecular recognition. Nanoscale, 2020, 12, 14699-14707.	2.8	5

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73	Rational Design of Copper(II)â€“Uracil Nanoprocessed Coordination Polymers to Improve Their Cytotoxic Activity in Biological Media. ACS Applied Materials & Interfaces, 2021, 13, 36948-36957.	4.0	5
74	Creating regular arrangements of nucleobases through metal ion coordination and H bond formation. Pure and Applied Chemistry, 1998, 70, 977-983.	0.9	4
75	Heterobimetallic three-dimensional 4d-4f coordination polymers based on 5-methyl-1-(pyridyn-4-ylmethyl)-1H-1,2,3-triazole-3,4-dicarboxylate. Journal of Solid State Chemistry, 2022, 310, 123027.	1.4	4
76	Supramolecular architectures based on 6-purinethione complexes. Inorganica Chimica Acta, 2014, 417, 142-147.	1.2	3
77	Copper dithiolene [Cu(SC6H2Cl2S)2]â^' units connected to alkaline/copper complexes: from ionic assemblies to discrete molecular entities and coordination polymers. CrystEngComm, 2019, 21, 957-963.	1.3	3
78	Structure and electrical properties of a one-dimensional polymeric silver thiosaccharinate complex with argentophilic interactions. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 186-193.	0.2	2
79	Pyrimidine Nucleobases as Versatile and Multidentate Ligands for Heavy Metal Ions. Significance of Metal Binding to the C(5) Sites of Uracil and Cytosine. , 1997, , 511-520.		2
80	Stimuliâ€Responsive Materials: Chemically Resistant, Shapeable, and Conducting Metalâ€Organic Gels and Aerogels Built from Dithiooxamidato Ligand (Adv. Funct. Mater. 15/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
81	Copper(II)â€“Thymine Coordination Polymer Nanoribbons as Potential Oligonucleotide Nanocarriers. Angewandte Chemie, 2017, 129, 1007-1011.	1.6	1
82	A Nanostructured Cu(II) Coordination Polymer Based on Alanine as a Trifunctional Mimic Enzyme and Efficient Composite in the Detection of Sphingobacteria. Bioinorganic Chemistry and Applications, 2022, 2022, 1-10.	1.8	1
83	Experimental and Theoretical Study of Dynamic Structural Transformations between Sensing Copper(II)-Uracil Antiferromagnetic and Metamagnetic Coordination Compounds. Crystal Growth and Design, 2020, 20, 5097-5107.	1.4	0
84	Frontispiece: New Promises and Opportunities in 3D Printable Inks Based on Coordination Compounds for the Creation of Objects with Multiple Applications. Chemistry - A European Journal, 2021, 27, .	1.7	0
85	Structural analysis of a new complex containing tetrapropionatodirhodium units. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C651-C651.	0.3	0
86	Phase transitions of copper(I) iodide compounds under high pressure. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e306-e306.	0.0	0
87	Innovative Microstructural Transformation upon CO2 Supercritical Conditions on Metal-Nucleobase Aerogel and Its Use as Effective Filler for HPLC Biomolecules Separation. Nanomaterials, 2022, 12, 675.	1.9	0