# Pilar Amo-Ochoa

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | The role of coordination compounds in virus research. Different approaches and trends. Dalton Transactions, 2021, 50, 2310-2323. | 1.6 | 16 |
| 7 | 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 |
| 8 | Fluorescent Carbon Nitride Macrostructures Derived from Triazineâ€Based Cocrystals. Advanced Optical Materials, 2021, 9, 2100683. | 3.6 | 8 |
| 9 | Advances and Novel Perspectives on Colloids, Hydrogels, and Aerogels Based on Coordination Bonds with Biological Interest Ligands. Nanomaterials, 2021, 11, 1865. | 1.9 | 10 |
| 10 | 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 |
| 11 | Synergistic Doping and Surface Decoration of Carbon Nitride Macrostructures by Single Crystal Design. ACS Applied Energy Materials, 2021, 4, 1868-1875. | 2.5 | 12 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Gas Sensors Based on Copperâ€Containing Metalâ€Organic Frameworks, Coordination Polymers, and Complexes. ChemPlusChem, 2020, 85, 1564-1579. | 1.3 | 14 |
| 16 | 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 |
| 17 | The role of defects in the properties of functional coordination polymers. Advances in Inorganic Chemistry, 2020, 76, 73-119. | 0.4 | 6 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Synthesis of metal-free lightweight materials with sequence-encoded properties. Journal of Materials Chemistry A, 2020, 8, 8752-8760. | 5.2 | 7 |
| 22 | 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 |
| 23 | 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 |
| 24 | Micro and Nano Smart Composite Films Based on Copper-Iodine Coordination Polymer as Thermochromic Biocompatible Sensors. Polymers, 2019, 11, 1047. | 2.0 | 8 |
| 25 | Reversible transformation between Cu(<scp>i</scp>)-thiophenolate coordination polymers displaying luminescence and electrical properties. CrystEngComm, 2019, 21, 3232-3239. | 1.3 | 10 |
| 26 | Multifunctional Copper(I) Coordination Polymers with Aromatic Mono- and Ditopic Thioamides. Inorganic Chemistry, 2019, 58, 3290-3301. | 1.9 | 42 |
| 27 | 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 |
| 28 | 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 |
| 29 | Phase transitions of copper(I) iodide compounds under high pressure. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e306-e306. | 0.0 | 0 |
| 30 | 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 |
| 31 | Unprecedented Centimeterâ€Long Carbon Nitride Needles: Synthesis, Characterization and Applications. Small, 2018, 14, e1800633. | 5.2 | 64 |
| 32 | High Electrical Conductivity of Single Metalâ€“Organic Chains. Advanced Materials, 2018, 30, e1705645. | 11.1 | 13 |
| 33 | One-Pot Preparation of Mechanically Robust, Transparent, Highly Conductive, and Memristive Metalâ€“Organic Ultrathin Film. ACS Nano, 2018, 12, 10171-10177. | 7.3 | 15 |
| 34 | Smart composite films of nanometric thickness based on copperâ€“iodine coordination polymers. Toward sensors. Chemical Science, 2018, 9, 8000-8010. | 3.7 | 44 |
| 35 | Supramolecular Interactions Modulating Electrical Conductivity and Nanoprocessing of Copperâ€“Iodine Double-Chain Coordination Polymers. Inorganic Chemistry, 2018, 57, 7568-7577. | 1.9 | 22 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Chemically Resistant, Shapeable, and Conducting Metalâ€Organic Gels and Aerogels Built from Dithiooxamidato Ligand. Advanced Functional Materials, 2017, 27, 1605448. | 7.8 | 40 |
| 38 | 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 |
| 39 | Copper(II)â€“Thymine Coordination Polymer Nanoribbons as Potential Oligonucleotide Nanocarriers. Angewandte Chemie - International Edition, 2017, 56, 987-991. | 7.2 | 24 |
| 40 | Copper(II)â€“Thymine Coordination Polymer Nanoribbons as Potential Oligonucleotide Nanocarriers. Angewandte Chemie, 2017, 129, 1007-1011. | 1.6 | 1 |
| 41 | Multistimuli Response Microâ€•and Nanolayers of a Coordination Polymer Based on Cu<sub>2</sub>I<sub>2</sub> Chains Linked by 2â€Aminopyrazine. Small, 2017, 13, 1700965. | 5.2 | 43 |
| 42 | Direct Formation of Sub-Micron and Nanoparticles of a Bioinspired Coordination Polymer Based on Copper with Adenine. Polymers, 2017, 9, 565. | 2.0 | 9 |
| 43 | 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 |
| 44 | Supramolecular interactions in Cobalt(II)â€“nucleobases complexes: A methyl matter. Inorganica Chimica Acta, 2016, 452, 251-257. | 1.2 | 5 |
| 45 | Rhodium and copper 6-methylpicolinate complexes. Structural diversity and supramolecular interaction study. Inorganica Chimica Acta, 2016, 453, 574-582. | 1.2 | 6 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | MasterChem: cooking 2D-polymers. Chemical Communications, 2016, 52, 4113-4127. | 2.2 | 104 |
| 50 | Electrical Conductivity and Strong Luminescence in Copper Iodide Double Chains with Isonicotinato Derivatives. Chemistry - A European Journal, 2015, 21, 17282-17292. | 1.7 | 31 |
| 51 | Reversible stimulus-responsive Cu(<scp>i</scp>) iodide pyridine coordination polymer. Chemical Communications, 2015, 51, 14306-14309. | 2.2 | 35 |
| 52 | Asymmetric and Symmetric Dicopper(II) Paddle-Wheel Units with Modified Nucleobases. Crystal Growth and Design, 2015, 15, 5485-5494. | 1.4 | 22 |
| 53 | Halo and Pseudohalo Cu(I)-Pyridinato Double Chains with Tunable Physical Properties. Inorganic Chemistry, 2015, 54, 10738-10747. | 1.9 | 19 |
| 54 | Reversible recrystallization process of copper and silver thioacetamideâ€“halide coordination polymers and their basic building blocks. CrystEngComm, 2014, 16, 8224-8231. | 1.3 | 28 |

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|---|---|---|---|
| 55 | Supramolecular architectures based on 6-purinethione complexes. Inorganica Chimica Acta, 2014, 417, 142-147. | 1.2 | 3 |
| 56 | Coordination polymers with nucleobases: From structural aspects to potential applications. Coordination Chemistry Reviews, 2014, 276, 34-58. | 9.5 | 101 |
| 57 | Electrical Bistability around Room Temperature in an Unprecedented One-Dimensional Coordination Magnetic Polymer. Inorganic Chemistry, 2013, 52, 5943-5950. | 1.9 | 11 |
| 58 | 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 |
| 59 | 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 |
| 60 | Semiconductive and Magnetic One-Dimensional Coordination Polymers of Cu(II) with Modified Nucleobases. Inorganic Chemistry, 2013, 52, 11428-11437. | 1.9 | 38 |
| 61 | 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 |
| 62 | 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 |
| 63 | Structure and Properties of One-Dimensional Heterobimetallic Polymers Containing Dicyanoaurate and Dirhodium(II) Fragments. Inorganic Chemistry, 2012, 51, 5844-5849. | 1.9 | 15 |
| 64 | Electrical conductive coordination polymers. Chemical Society Reviews, 2012, 41, 115-147. | 18.7 | 546 |
| 65 | Structural analysis of a new complex containing tetrapropionatodirhodium units. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C651-C651. | 0.3 | 0 |
| 66 | 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 |
| 67 | Single layers of a multifunctional laminar Cu(i,ii) coordination polymer. Chemical Communications, 2010, 46, 3262. | 2.2 | 225 |
| 68 | 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 |
| 69 | 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 |
| 70 | Direct evidence of nanowires formation from a Cu(i) coordination polymer. Chemical Communications, 2008, , 945-947. | 2.2 | 43 |
| 71 | An unusual triple parallel interpenetrated 2D Cu-polymer, with a 3D triple interpenetration via H-bonding. CrystEngComm, 2007, 9, 987. | 1.3 | 23 |
| 72 | Microwave assisted hydrothermal synthesis of a novel CuI-sulfate-pyrazine MOF. Inorganic Chemistry Communication, 2007, 10, 921-924. | 1.8 | 85 |

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|---|---|---|---|
| 73 | Interguanine hydrogen-bonding patterns in adducts with water and Znâ€“purine complexes (purine is) Tj ETQq1 1 0.784314 rgBT /Overl Journal of Biological Inorganic Chemistry, 2007, 12, 543-555. | 1.1 | 20 |
| 74 | 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 |
| 75 | 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 |
| 76 | Models of Putative (AH)G(AH)G Nucleobase Quartets. Angewandte Chemie - International Edition, 2005, 44, 5670-5674. | 7.2 | 19 |
| 77 | From Coordination Polymer Macrocrystals to Nanometric Individual Chains. Advanced Materials, 2005, 17, 1761-1765. | 11.1 | 73 |
| 78 | 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 |
| 79 | 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 |
| 80 | Creating regular arrangements of nucleobases through metal ion coordination and H bond formation. Pure and Applied Chemistry, 1998, 70, 977-983. | 0.9 | 4 |
| 81 | Synthesis of several Palladium complexes derived. Journal of Inorganic Biochemistry, 1997, 68, 257-263. | 1.5 | 9 |
| 82 | 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 |
| 83 | 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 |
| 84 | 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 |
| 85 | A way to obtain cyclopalladation of unsubstituted 2-phenylimidazole derivatives. Journal of Organometallic Chemistry, 1996, 522, 97-103. | 0.8 | 11 |
| 86 | 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 |
| 87 | Supramolecular Chemistry of Metalâ€“Nucleobase Complexes. , 0, , 95-132. | | 8 |