M Elena Olmos

List of Publications by Year
in descending order

75 papers	2,370 citations	201674 27 h-index	223800 46 g-index
76 all docs	76 docs citations	76 times ranked	1603 citing authors

#	Article	IF	Citations
1	Influence of perhalophenyl groups in the TADF mechanism of diphosphino gold(<scp>i</scp>) complexes. Journal of Materials Chemistry C, 2022, 10, 4894-4904.	5.5	7
2	Spontaneous in situ generation of photoemissive aurophilic oligomers in water solution based on the 2-thiocytosine ligand. RSC Advances, 2022, 12, 8466-8473.	3.6	1
3	Rational Assembly of Metallophilic Gold(I)â€“Lead(II) and Gold(I)â€“Gold(I) Puzzle Pieces. Angewandte Chemie, 2021, 133, 650-654.	2.0	2
4	Rational Assembly of Metallophilic Gold(I)â€“Lead(II) and Gold(I)â€“Gold(I) Puzzle Pieces. Angewandte Chemie - International Edition, 2021, 60, 640-644.	13.8	11
5	Computational prediction of Au(<scp>i</scp>)â€“Pb(<scp>ii</scp>) bonding in coordination complexes and study of the factors affecting the formation of Au(<scp>i</scp>)â€“E(<scp>ii</scp>) (E = Ge, Sn, Pb) covalent bonds. Physical Chemistry Chemical Physics, 2021, 23, 10174-10183.	2.8	2
6	Multidisciplinary study on the hydrogelation of the digold(<scp>i</scp>) complex [{Au(⁹N-adeninate)}₂(Î¼-dmpe)]: optical, rheological, and quasi-elastic neutron scattering perspectives. Inorganic Chemistry Frontiers, 2021, 8, 3707-3715.	6.0	5
7	Time-Dependent Molecular Rearrangement of [Au(N⁹-adeninate)(PTA)] in Aqueous Solution and Aggregation-Induced Emission in a Hydrogel Matrix. Inorganic Chemistry, 2021, 60, 3667-3676.	4.0	4
8	An improved plasmonic Auâ€“Ag/TiO2/rGO photocatalyst through entire visible range absorption, charge separation and high adsorption ability. New Journal of Chemistry, 2021, 45, 11727-11736.	2.8	6
9	Optical Properties in Heteronuclear Gold(I)/Silver(I) Complexes of Aliphatic Mixedâ€Donor Macrocycles Featuring Metallophilic Interactions. European Journal of Inorganic Chemistry, 2021, 2021, 4552-4559.	2.0	4
10	Perhalophenyl Three-Coordinate Gold(I) Complexes as TADF Emitters: A Photophysical Study from Experimental and Computational Viewpoints. Inorganic Chemistry, 2020, 59, 14236-14244.	4.0	15
11	Metallophilic Au(<scp>i</scp>)â‹¯M(<scp>i</scp>) interactions (M = Tl, Ag) in heteronuclear complexes with 1,4,7-triazacyclononane: structural features and optical properties. Dalton Transactions, 2020, 49, 10983-10993.	3.3	7
12	Zigzag vs Helicoidal Goldâ€“Silver 1D Chains: Influence of Subtle Interactions in the Spatial Arrangement of Supramolecular Systems. Inorganic Chemistry, 2020, 59, 9443-9451.	4.0	2
13	Versatile coordinative abilities of perhalophenyl-gold(I) fragments to Xantphos: Influence on the emissive properties. Journal of Organometallic Chemistry, 2020, 913, 121198.	1.8	7
14	Structural and Luminescence Properties of Heteronuclear Gold(I)/Thallium(I) Complexes Featuring Metallophilic Interactions Tuned by Quinoline Pendant Arm Derivatives of Mixed Donor Macrocycles. Inorganic Chemistry, 2020, 59, 6398-6409.	4.0	10
15	On the use of mixed thia/aza macrocycles in the development of fluorescent chemosensors for toxic heavy metals and fluorescent materials. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 682-688.	1.6	2
16	Balancing ionic and H-bonding interactions for the formation of Au(<scp>i</scp>) hydrometallogels. Dalton Transactions, 2019, 48, 7519-7526.	3.3	6
17	Temperature-assisted formation of reversible metallophilic Auâ€“Ag interaction arrays. Dalton Transactions, 2019, 48, 5149-5155.	3.3	6
18	Stimuli-Responsive Solvatochromic Au(I)â€“Ag(I) Clusters: Reactivity and Photophysical Properties Induced by the Nature of the Solvent. Inorganic Chemistry, 2019, 58, 1501-1512.	4.0	23

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19	Unequal coordination environment in complexes of the type [Au2Ag2(R)4(L)2]n. An immiscible solvent mixture as a key point in the control of ligand replacement. Dalton Transactions, 2018, 47, 3231-3238.	3.3	4
20	Cooperative Au(I)Â·Â·Â·Au(I) Interactions and Hydrogen Bonding as Origin of a Luminescent Adeninate Hydrogel Formed by Ultrathin Molecular Nanowires. Inorganic Chemistry, 2018, 57, 3805-3817.	4.0	15
21	Lead encapsulation by a golden clamp through multiple electrostatic, metallophilic, hydrogen bonding and weak interactions. Chemical Communications, 2018, 54, 295-298.	4.1	15
22	Influence of the Number of Metallophilic Interactions and Structures on the Optical Properties of Heterometallic Au/Ag Complexes with Mixed-Donor Macrocyclic Ligands. Inorganic Chemistry, 2018, 57, 11099-11112.	4.0	19
23	Dispersive Forces and Dipole Moment Increase as Driving Forces for the Formation of an Unprecedented Metallophilic Heterotrimetallic System. Chemistry - A European Journal, 2018, 24, 13740-13743.	3.3	9
24	Luminescent arylâ€“group eleven metal complexes. Dalton Transactions, 2017, 46, 2046-2067.	3.3	55
25	Tuning Au(I)Â·Â·Â·Tl(I) Interactions via Mixed Thiaâ€“Aza Macrocyclic Ligands: Effects on the Structural and Luminescence Properties. Inorganic Chemistry, 2017, 56, 12551-12563.	4.0	13
26	Tailor-Made Luminescent Polymers through Unusual Metallophilic Interaction Arrays AuÂ·Â·Â·AuÂ·Â·Â·AgÂ·Â·Â·Ag. Inorganic Chemistry, 2017, 56, 9281-9290.	4.0	23
27	New Au(<scp>i</scp>)â€“Cu(<scp>i</scp>) heterometallic complexes: the role of bridging pyridazine ligands in the presence of unsupported metallophilic interactions. Dalton Transactions, 2017, 46, 10941-10949.	3.3	7
28	Double Jahnâ€“Teller Distortion in AuGe Complexes Leading to a Dual Blueâ€“Orange Emission. ChemPlusChem, 2016, 81, 176-186.	2.8	6
29	New Insights into the Au(I)Â·Â·Â·Pb(II) Closed-Shell Interaction: Tuning of the Emissive Properties with the Intermetallic Distance. Inorganic Chemistry, 2016, 55, 10523-10534.	4.0	22
30	Tuning the Luminescent Properties of a Ag/Au Tetranuclear Complex Featuring Metallophilic Interactions via Solvent-Dependent Structural Isomerization. Inorganic Chemistry, 2016, 55, 11299-11310.	4.0	33
31	Synthesis of the molecular amalgam [{AuHg₂(o-C₆F₄)₃}{Hg₃(o-C₆F₄)₃}]: a rare example of a heterometallic homoleptic metallacycle. Dalton Transactions, 2016, 45, 6334-6338.	3.3	14
32	Study of the Nature of Closed-Shell Hg^{II}Â·Â·Â·M^I (M = Cu, Ag, Au) Interactions. Organometallics, 2015, 34, 3029-3038.	2.3	27
33	1,4-Bis(2â€²-pyridylethynyl)benzene as a ligand in heteronuclear goldâ€“thallium complexes. Influence of the ancillary ligands on their optical properties. Dalton Transactions, 2015, 44, 6719-6730.	3.3	9
34	The spontaneous formation and plasmonic properties of ultrathin goldâ€“silver nanorods and nanowires stabilized in oleic acid. Chemical Communications, 2015, 51, 16691-16694.	4.1	11
35	The gold(<scp>i</scp>)â‹¯lead(<scp>ii</scp>) interaction: a relativistic connection. Chemical Science, 2015, 6, 2022-2026.	7.4	37
36	Double Photoinduced Jahnâ€“Teller Distortion of Tetrahedral Au^Iï£¿Sn^{II} Complexes. ChemPlusChem, 2014, 79, 67-76.	2.8	19

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37	Synthesis and plasmonic properties of monodisperse Auâ€“Ag alloy nanoparticles of different compositions from a single-source organometallic precursor. Journal of Materials Chemistry C, 2014, 2, 2975.	5.5	28
38	Theoretical studies on an unusual [Ag]+â‹¯[Au]â‹¯â‹¯[Au]â‹¯â‹¯[Ag]+ metallophilic pattern: Dispersive forces vs. classical coulomb forces. Computational and Theoretical Chemistry, 2014, 1030, 53-58.	2.5	8
39	Experimental and Theoretical Comparison of the Metallophilicity between d¹⁰â€“d¹⁰ Au^Iâ€“Hg^{II} and d⁸â€“d¹⁰ Au^{III}â€“Hg^{II} Interactions. Inorganic Chemistry, 2014, 53, 1275-1277.	4.8	30
40	Copper(<scp>i</scp>)-assisted red-shifted phosphorescence in Au(<scp>i</scp>)â‹¯Cu(<scp>i</scp>) heteropolynuclear complexes. Dalton Transactions, 2014, 43, 16486-16497.	3.3	31
41	Influence of Crown Thioether Ligands in the Structures and of Perhalophenyl Groups in the Optical Properties of Complexes with Argentoaurophilic Interactions. Inorganic Chemistry, 2014, 53, 10471-10484.	4.0	16
42	Luminescent goldâ€“silver complexes derived from neutral bis(perfluoroaryl)diphosphine gold(i) precursors. Dalton Transactions, 2013, 42, 4267.	3.3	17
43	Heterometallic gold(i)â€“thallium(i) compounds with crown thioethers. Dalton Transactions, 2013, 42, 11559.	3.3	20
44	Very Short Metallophilic Interactions Induced by Three-Centerâ€“Two-Electron Perhalophenyl Ligands in Phosphorescent Auâ€“Cu Complexes. Organometallics, 2012, 31, 3720-3729.	2.3	19
45	Amalgamating at the molecular level. A study of the strong closed-shell Au(i)â‹¯Hg(ii) interaction. Chemical Communications, 2011, 47, 6795.	4.1	45
46	Influence of the Electronic Characteristics of N-Donor Ligands in the Excited State of Heteronuclear Gold(I)â€“Copper(I) Systems. Inorganic Chemistry, 2011, 50, 6910-6921.	4.0	25
47	Metal-Induced Phosphorescence in (Pentafluorophenyl)gold(III) Complexes. Organometallics, 2011, 30, 4486-4489.	2.3	13
48	Making the Golden Connection: Reversible Mechanochemical and Vapochemical Switching of Luminescence from Bimetallic Goldâ€“Silver Clusters Associated through Aurophilic Interactions. Journal of the American Chemical Society, 2011, 133, 16358-16361.	13.7	119
49	Basicity of bisperhalophenyl aurates toward closed-shell metal ions: metallophilicity and additional interactions. Theoretical Chemistry Accounts, 2011, 129, 593-602.	1.4	9
50	Intermetallic coinage metal-catalyzed functionalization of alkanes with ethyl diazoacetate: Gold as a ligand. Inorganica Chimica Acta, 2011, 369, 146-149.	2.4	14
51	Theoretical study of the closed-shell d10â€“d10 Au(I)â€“Cu(I) attraction in complexes in extended unsupported chains. Computational and Theoretical Chemistry, 2011, 965, 163-167.	2.5	15
52	Ketimine synthesis in the coordination sphere of thallium (I). Inorganica Chimica Acta, 2010, 363, 1965-1969.	2.4	9
53	Long-Chain Ketimine Synthesis in a Goldâ‹¯Thallium Polymer. Organometallics, 2010, 29, 2951-2959.	2.3	19
54	Combining Aurophilic Interactions and Halogen Bonding To Control the Luminescence from Bimetallic Goldâ‹¯Silver Clusters. Journal of the American Chemical Society, 2010, 132, 456-457.	13.7	188

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55	Vapochromism in Complexes of Stoichiometry [Au2Ag2R4L2]n. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 1500-1512.	0.7	24
56	Multiple Evidence for Gold(I)â‹…â‹…â‹…Silver(I) Interactions in Solution. Chemistry - A European Journal, 2009, 15, 6222-6233.	3.3	36
57	Unsupported Au(i)â‹¯Cu(i) interactions: influence of nitrile ligands and aurophilicity on the structure and luminescence. Dalton Transactions, 2009, , 7509.	3.3	51
58	1,2-Dibromo- and 1,2-Diiodotetrafluorobenzene as Precursors of Anionic Homo- and Heterometallic Gold Complexes. Organometallics, 2008, 27, 2971-2979.	2.3	24
59	Vapochromic Behavior of {Ag₂(Et₂O)₂[Au(C₆F₅)₂]₂}_n with Volatile Organic Compounds. Inorganic Chemistry, 2008, 47, 8069-8076.	4.6	110
60	Experimental and theoretical evidence of the first Au(i)â‹¯Bi(iii) interaction. Chemical Communications, 2007, , 571-573.	4.1	62
61	Pyridine gold complexes. an emerging class of luminescent materials. Gold Bulletin, 2007, 40, 172-183.	2.7	31
62	Photophysical and Theoretical Studies on Luminescent Tetranuclear Coinage Metal Building Blocks. Organometallics, 2006, 25, 3639-3646.	2.3	79
63	Easy Ketimine Formation Assisted by Heteropolynuclear Goldâˆ’Thallium Complexes. Organometallics, 2006, 25, 1689-1695.	2.3	30
64	Auâˆ’Tl Linear Chains as Lewis Acids toward [Au(C6X5)2]- Metalloligands:â€‰ The First Anionic Heteropolymetallic Chains. Organometallics, 2005, 24, 1631-1637.	2.3	35
65	Unsupported Gold(I)âˆ’Copper(I) Interactions through Î·1Au-[Au(C6F5)2]-Coordination to Cu+Lewis Acid Sites. Inorganic Chemistry, 2005, 44, 1163-1165.	4.0	48
66	A Family of Auâˆ’Tl Loosely Bound Butterfly Clusters. Inorganic Chemistry, 2005, 44, 6012-6018.	4.0	38
67	A Detailed Study of the Vapochromic Behavior of {Tl[Au(C6Cl5)2]}n. Inorganic Chemistry, 2004, 43, 3573-3581.	4.0	104
68	Thallium(I) Acetylacetonate as Building Blocks of Luminescent Supramolecular Architectures. Organometallics, 2004, 23, 774-782.	2.3	47
69	Luminescent Gold(I)-Thallium(I) Arrays through N-Bidentate Building Blocks. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 1379-1386.	0.7	22
70	Theoretical and Photoluminescence Studies on the d10â€“s2 Auâ€“Tl Interaction in Extended Unsupported Chains. Chemistry - A European Journal, 2003, 9, 456-465.	3.3	75
71	{Tl[Au(C6Cl5)2]}n:Â A Vapochromic Complex. Journal of the American Chemical Society, 2003, 125, 2022-2023.	13.7	207
72	Synthesis, Structure, and Photophysical Studies of Luminescent Two- and Three-Dimensional Goldâˆ’Thallium Supramolecular Arrays. Inorganic Chemistry, 2002, 41, 1056-1063.	4.0	79

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73	Do Aurophilic Interactions Compete against Hydrogen Bonds? Experimental Evidence and Rationalization Based on ab Initio Calculations. Journal of the American Chemical Society, 2002, 124, 6781-6786.	13.7	83
74	[Au2Tl2(C6Cl5)4]Â·(CH3)2CO:Â A Luminescent Loosely Bound Butterfly Cluster with a Tl(I)â˜Tl(I) Interaction. Journal of the American Chemical Society, 2002, 124, 5942-5943.	13.7	66
75	2-(Diphenylphosphino)-pyridine as an Ambidentate Ligand in Homo-and Hetero-binuclear Complexes of Copper, Silver, and Gold. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 203-208.	0.7	34