MÂª Angeles MÃ¡Ã±ez MuÃ±oz

List of Publications by Year
in descending order

35 papers	527 citations	567144 15 h-index	677027 22 g-index
35 all docs	35 docs citations	35 times ranked	562 citing authors

#	Article	IF	Citations
1	Hydrogen and Copper Ion-Induced Molecular Reorganizations in Scorpionand-like Ligands. A Potentiometric, Mechanistic, and Solid-State Study. Inorganic Chemistry, 2007, 46, 5707-5719.	1.9	51
2	Crucial Role of Anions on the Deprotonation of the Cationic Dihydrogen Complex trans-[FeH(Î·2-H2)(dppe)2]+. Journal of the American Chemical Society, 2007, 129, 6608-6618.	6.6	51
3	The Effect of the â€œInertâ€•Counteranions in the Deprotonation of the Dihydrogen Complextrans-[FeH(Î·2-H2)(dppe)2]+:Â Kinetic and Theoretical Studies. Journal of the American Chemical Society, 2004, 126, 2320-2321.	6.6	39
4	Kinetics of protonation of cis-[FeH2(dppe)2]: formation of the dihydrogen complex trans-[FeH(H2)(dppe)2]+ (dppeâ€…=â€…Ph2PCH2CH2PPh2). Journal of the Chemical Society Dalton Transactions, 1998, , 2205-2210.	1.1	29
5	Hydrogen and Copper Ion Induced Molecular Reorganizations in Two New Scorpiand-Like Ligands Appended with Pyridine Rings. Inorganic Chemistry, 2010, 49, 7016-7027.	1.9	22
6	Kinetics and mechanism of formation and decomposition of copper(II) complexes with a binucleating hexaazamacrocycle. Polyhedron, 1996, 15, 3511-3517.	1.0	21
7	Equilibrium studies on the protonation and Cu(II) complexation by an hexaaza macrocycle containing p-xylyl spacers. The crystal structure of the hexaprotonated ligand and the kinetics of decomposition of the Cu(II) complexes. Polyhedron, 2001, 20, 297-305.	1.0	20
8	The kinetics and mechanisms of reactions involving the dihydrogen complex trans-[FeH(H2)(DPPE)2]+ and related compounds. Journal of Organometallic Chemistry, 2000, 609, 29-35.	0.8	18
9	Kinetics of reaction of the FeII-cyclam complex with H2O2 in acetonitrile and the mechanism of catalyzed epoxidation of cyclohexene. Polyhedron, 1997, 16, 3827-3833.	1.0	17
10	Thermodynamic and kinetic studies on the Cu2+ coordination chemistry of a novel binucleating pyridinophane ligandElectronic supplementary information (ESI) available: Table S1: observed rate constants for the acid-promoted decomposition of Cu2+ complexes with ligand L. Table S2: observed rate constants for the acid-promoted decomposition of Cu2+ complexes with macrocycle L1. Fig. S1: Variation of some selected 13C chemical shifts as a function of pH. See http://www.rsc.org/suppdata/dt/b2/b209013a/. Dalton Transactions, 2003, , 1186-1193.	1.6	17
11	Copper(ii) complexes of quinoline polyazamacrocyclic scorpiand-type ligands: X-ray, equilibrium and kinetic studies. Dalton Transactions, 2012, 41, 5617.	1.6	17
12	Stability and kinetics of decomposition of binuclear Cu(II) complexes with a symmetrical hexaaza macrocycle: the effect of SCNâ^' as ancillary ligand. Polyhedron, 2001, 20, 75-82.	1.0	16
13	Geometric Isomerism in Pentacoordinate Cu2+ Complexes: Equilibrium, Kinetic, and Density Functional Theory Studies Reveal the Existence of Equilibrium between Square Pyramidal and Trigonal Bipyramidal Forms for a Tren-Derived Ligand. Inorganic Chemistry, 2009, 48, 902-914.	1.9	16
14	Coordination Chemistry of Cu²⁺ Complexes of Small N-Alkylated Tetra-azacyclophanes with SOD Activity. Inorganic Chemistry, 2018, 57, 10961-10973.	1.9	16
15	Structurally Different Dinuclear Copper(II) Complexes with the Same Triazolopyrimidine Bridging Ligand. European Journal of Inorganic Chemistry, 2002, 2002, 811-818.	1.0	15
16	Exploring the Properties and Optical Sensing Capability of Solâ^'Gel Materials Containing a Covalently Bonded Binucleating Cryptand. Chemistry of Materials, 2003, 15, 2025-2032.	3.2	15
17	Hydrogen-ion driven molecular motions in Cu2+-complexes of a ditopic phenanthrolinophane ligand. Chemical Communications, 2003, , 3032-3033.	2.2	15
18	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6â€²-bisadenine. Journal of Inorganic Biochemistry, 2003, 93, 141-151.	1.5	14

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19	Synthesis and Cu(II) coordination of two new hexaamines containing alternated propylenic and ethylenic chains: Kinetic studies on pH-driven metal ion slippage movements. Inorganica Chimica Acta, 2006, 359, 2004-2014.	1.2	12
20	Equilibrium and kinetic studies on complex formation and decomposition and the movement of Cu2+metal ions within polytopic receptors. Dalton Transactions, 2013, 42, 6131.	1.6	12
21	Synthesis, Protonation and Cu^{II} Complexes of Two Novel Isomeric Pentaazacyclophane Ligands: Potentiometric, DFT, Kinetic and AMP Recognition Studies. European Journal of Inorganic Chemistry, 2009, 2009, 62-75.	1.0	11
22	Pitfalls in the ABTS Peroxidase Activity Test: Interference of Photochemical Processes. Inorganic Chemistry, 2018, 57, 14471-14475.	1.9	9
23	Striking medium effects on the kinetics of decomposition of macrocyclic Cu2+ complexes: Additional considerations to be taken when designing Copper-64 radiopharmaceuticals. Inorganic Chemistry Communication, 2010, 13, 1272-1274.	1.8	8
24	Structural reorganisation in polytopic receptors revealed by kinetic studies. Chemical Communications, 2010, 46, 6081.	2.2	8
25	Salenâ€manganese complexes for controlling ROS damage: Neuroprotective effects, antioxidant activity and kinetic studies. Journal of Inorganic Biochemistry, 2020, 203, 110918.	1.5	8
26	FeII complexes with tripod phosphines, Ph2PCH2CH2PPh2 and NEt3: Stability and kinetics of formation. Polyhedron, 1995, 14, 1865-1871.	1.0	7
27	Reversible Binuclear Cu(II) Complex Formation in a New Sonogelâ"Cryptand Hybrid Material. Chemistry of Materials, 2002, 14, 670-676.	3.2	7
28	Ag(i) complexes with alkylidene-bis(2-aminopyrimidines) as building units for discrete metallomacrocyclic frames. A structural and solution study. Dalton Transactions, 2005, , 3763.	1.6	7
29	Equilibrium and Kinetic Properties of Cu^{II} Cyclophane Complexes: The Effect of Changes in the Macrocyclic Cavity Caused by Changes in the Substitution at the Aromatic Ring. European Journal of Inorganic Chemistry, 2008, 2008, 1497-1507.	1.0	6
30	Mechanism of the decomposition reaction of trans-[Mo(N2)2(PPh2Me)4] and of its reaction with pyridine. Journal of the Chemical Society Dalton Transactions, 1992, , 1291-1295.	1.1	5
31	The Solution Chemistry of Cu2+-tren Complexes Revisited: Exploring the Role of Species That Are Not Trigonal Bipyramidal. European Journal of Inorganic Chemistry, 2012, 2012, 2514-2526.	1.0	5
32	Methylation as an effective way to generate SOD-activity in copper complexes of scorpiand-like azamacrocyclic receptors. Inorganica Chimica Acta, 2018, 472, 139-148.	1.2	4
33	Kinetics of substitution reactions of trans-[Mo(N2)2(PPh2Me)4] with tripodal phosphines. Journal of the Chemical Society Dalton Transactions, 1994, , 1717-1722.	1.1	3
34	Kinetics of substitution reactions of FeII-phosphine complexes with Clâ", Brâ" and SCNâ" in acetonitrile. A comparative study of complexes containing bidentate and tripodal phosphines. Polyhedron, 1996, 15, 2305-2310.	1.0	3
35	Equilibrium and kinetics studies on bibrachial lariat aza-crown/Cu(II) systems reveal different behavior associated with small changes in the structure. Inorganica Chimica Acta, 2014, 417, 246-257.	1.2	3