

Fernanado R Xavier

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electronic Structure and Spectro-Structural Correlations of Fe ^{III} Zn ^{II} Biomimetics for Purple Acid Phosphatases: Relevance to DNA Cleavage and Cytotoxic Activity. <i>Inorganic Chemistry</i> , 2010, 49, 11421-11438.	4.0	84
2	Unsymmetrical Fe ^{III} Co ^{II} and Ga ^{III} Co ^{II} Complexes as Chemical Hydrolases: Biomimetic Models for Purple Acid Phosphatases (PAPs). <i>Inorganic Chemistry</i> , 2009, 48, 7905-7921.	4.0	57
3	New unsymmetric dinuclear CuII complexes and their relevance to copper(II) containing metalloenzymes and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 992-1004.	3.5	50
4	Synthesis, Structure, and Physicochemical Properties of Dinuclear Ni ^{II} Complexes as Highly Efficient Functional Models of Phosphohydrolases. <i>Inorganic Chemistry</i> , 2008, 47, 1107-1119.	4.0	49
5	Facile and efficient aerobic one-pot synthesis of benzimidazoles using Ce(NO ₃) ₃ ·6H ₂ O as promoter. <i>Tetrahedron Letters</i> , 2017, 58, 1969-1972.	1.4	37
6	First-Transition-Metal Complexes Containing the Ligands 6-Amino-6-methylperhydro-1,4-diazepine (AAZ) and a New Functionalized Derivative: Can AAZ Act as a Mimetic Ligand for 1,4,7-Triazacyclononane?. <i>Inorganic Chemistry</i> , 2005, 44, 7690-7692.	4.0	25
7	Oxygen-independent photonuclease activity of a new iron(ii) complex. <i>Chemical Communications</i> , 2010, 46, 3375.	4.1	22
8	In vitro and in vivo activity of a new unsymmetrical dinuclear copper complex containing a derivative ligand of 1,4,7-triazacyclononane: catalytic promiscuity of [Cu ₂ (L)Cl ₃]. <i>Dalton Transactions</i> , 2013, 42, 7059.	3.3	20
9	Modulation of electronic and redox properties in phenolate-rich cobalt(iii) complexes and their implications for catalytic proton reduction. <i>Dalton Transactions</i> , 2015, 44, 3454-3466.	3.3	17
10	Sequential Phenolate Oxidations in Octahedral Cobalt(III) Complexes with [N ₂ O ₃] Ligands. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4622-4631.	2.0	15
11	Tap It Fast! Playing a Molecular Symmetry Game for Practice and Formative Assessment of Students' Understanding of Symmetry Concepts. <i>Journal of Chemical Education</i> , 2018, 95, 1151-1155.	2.3	15
12	Bioinspired Fe ^{III} Cd ^{II} and Fe ^{III} Hg ^{II} complexes: Synthesis, characterization and promiscuous catalytic activity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1740-1752.	3.5	14
13	Multivariate analysis applied to oxidation of cyclohexane and benzyl alcohol promoted by mononuclear iron and copper complexes. <i>New Journal of Chemistry</i> , 2020, 44, 2514-2526.	2.8	13
14	Probing chemical reduction in a cobalt(III) complex as a viable route for the inhibition of the 20S proteasome. <i>Inorganica Chimica Acta</i> , 2012, 393, 269-275.	2.4	12
15	Electronic and interfacial behavior of gemini metallosurfactants with copper(ii)/pseudohalide cascade cores. <i>Dalton Transactions</i> , 2013, 42, 15296.	3.3	11
16	A Synthetic Pathway for an Unsymmetrical N ₅ O ₂ Heptadentate Ligand and Its Heterodinuclear Iron(III)Zinc(II) Complex: A Biomimetic Model for the Purple Acid Phosphatases. <i>Chemistry and Biodiversity</i> , 2012, 9, 1794-1805.	2.1	10
17	One-pot multicomponent synthesis of 1,2,3,4-tetrasubstituted pyrroles catalyzed by [NMPH]CH ₃ SO ₃ . <i>Tetrahedron Letters</i> , 2019, 60, 151043.	1.4	10
18	Hydrogen-atom and oxygen-atom transfer reactivities of iron(IV)-oxo complexes of quinoline-substituted pentadentate ligands. <i>Dalton Transactions</i> , 2022, 51, 870-884.	3.3	9

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19	Effect of Chelate Ring Size of Binuclear Copper(II) Complexes on Catecholase Activity and DNA Cleavage. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1710-1721.	2.0	7
20	A simple protocol for the preparation of β^2 -enamino ketones catalyzed by NbOPO ₄ under solvent free conditions. <i>Tetrahedron Letters</i> , 2017, 58, 231-234.	1.4	6
21	Luminescent PhotoCORMs: Enabling/Disabling CO Delivery upon Blue Light Irradiation. <i>Inorganic Chemistry</i> , 2020, 59, 13078-13090.	4.0	6
22	Synthesis, physicochemical properties and in vitro catalytic activity of a dinuclear nickel(II) complex with a N5O-hexadentate ligand: A functional model for phosphohydrolases. <i>Polyhedron</i> , 2016, 109, 59-66.	2.2	4
23	Light Response of Three Water-Soluble MnI PhotoCORMs: Spectroscopic Features and CO Release Investigation. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	2
24	Polypyridyl iron(III) complexes containing long alkyl chains: synthesis, characterization, DFT calculations and biological activity. <i>New Journal of Chemistry</i> , 2021, 45, 12902-12914.	2.8	2