## VÃ-ctor M Jiménez-Pérez

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9243329/publications.pdf

Version: 2024-02-01



#	Article	IF	CITATIONS
1	The greener synthesis of nanoparticles. Trends in Biotechnology, 2013, 31, 240-248.	9.3	808
2	lron-containing nanomaterials: synthesis, properties, and environmental applications. RSC Advances, 2012, 2, 9325.	3.6	286
3	Recent progress on visible-light-driven metal and non-metal doped ZnO nanostructures for photocatalytic degradation of organic pollutants. Materials Science in Semiconductor Processing, 2022, 140, 106390.	4.0	138
4	Recent Advances in the Synthesis and Main Applications of Metallic Nanoalloys. Industrial & Engineering Chemistry Research, 2011, 50, 7705-7721.	3.7	87
5	Fluorescent Molecular Rotors of Organoboron Compounds from Schiff Bases: Synthesis, Viscosity, Reversible Thermochromism, Cytotoxicity, and Bioimaging Cells. Journal of Organic Chemistry, 2017, 82, 2375-2385.	3.2	65
6	Synthesis and photophysical characterization of organotin compounds derived from Schiff bases for organic light emitting diodes. Dyes and Pigments, 2014, 106, 188-196.	3.7	58
7	New application of fluorescent organotin compounds derived from Schiff bases: synthesis, X-ray structures, photophysical properties, cytotoxicity and fluorescent bioimaging. Journal of Materials Chemistry B, 2015, 3, 5731-5745.	5.8	52
8	Recent Advances in Synthesis and Properties of Hybrid Halide Perovskites for Photovoltaics. Nano-Micro Letters, 2018, 10, 68.	27.0	50
9	Ultrasmall particles and nanocomposites: state of the art. RSC Advances, 2013, 3, 22648.	3.6	43
10	Recent advances on ditopic ligands. Journal of Coordination Chemistry, 2010, 63, 1-25.	2.2	38
11	Novel fluorescent Schiff bases as Al3+ sensors with high selectivity and sensitivity, and their bioimaging applications. Materials Chemistry and Physics, 2019, 233, 89-101.	4.0	37
12	Synthesis, crystal structure and non-linear optical properties of boronates derivatives of salicylideniminophenols. Journal of Organometallic Chemistry, 2008, 693, 1321-1334.	1.8	35
13	Organoaluminum Hydroxides Supported by β-Diketiminato Ligands: Synthesis, Structural Characterization, and Reactions. Organometallics, 2008, 27, 769-777.	2.3	31
14	Luminescent Silk Fibroin with Organotin Compounds from Amino Acid Schiff Bases – Microwaveâ€Assisted Synthesis, Chemoâ€Optical Characterization, Cytotoxicity, and Confocal Microscopy. European Journal of Inorganic Chemistry, 2017, 2017, 2818-2827.	2.0	30
15	Rigid five-coordinate diorganotin derivatives of oxalic acid diamides, studied by 119Sn-NMR and X-ray structural analysis. Journal of Organometallic Chemistry, 2000, 604, 229-233.	1.8	29
16	Organotin Dyes Bearing Anionic Boron Clusters as Cellâ€ <b>5</b> taining Fluorescent Probes. Chemistry - A European Journal, 2018, 24, 5601-5612.	3.3	29
17	One-pot microwave-assisted synthesis of organotin Schiff bases: an optical and electrochemical study towards their effects in organic solar cells. New Journal of Chemistry, 2018, 42, 14586-14596.	2.8	29
18	Recent advances in boron-based schiff base derivatives for organic light-emitting diodes. Materials Today Chemistry, 2019, 11, 133-155.	3.5	29

#	Article	IF	CITATIONS
19	Synthesis, X-ray diffraction analysis and nonlinear optical properties of hexacoordinated organotin compounds derived from Schiff bases. Journal of Organometallic Chemistry, 2014, 769, 64-71.	1.8	28
20	Quantum chemical elucidation of the turn-on luminescence mechanism in two new Schiff bases as selective chemosensors of Zn <sup>2+</sup> : synthesis, theory and bioimaging applications. RSC Advances, 2019, 9, 30778-30789.	3.6	28
21	Luminescent molecules of main group elements: Recent advances on synthesis, properties and their application on fluorescent bioimaging (FBI). Journal of Luminescence, 2018, 195, 290-313.	3.1	27
22	Enantioselective synthesis of β-amino acids. Part 10: Preparation of novel α,α- and β,β-disubstituted β-amino acids from (S)-asparagine. Tetrahedron: Asymmetry, 1999, 10, 3493-3505.	1.8	26
23	Monomeric Boron and Tin(II) Heterocyclic Derivatives of 1,8â€Diaminonaphthalenes: Synthesis, Characterization and Xâ€ray Structures. European Journal of Inorganic Chemistry, 2008, 2008, 2238-2243.	2.0	25
24	Coordination and Organometallic Nanomaterials: A Microreview. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 640-650.	0.6	24
25	Luminescent organoboron compounds derived from salicylidenebenzohydrazide: Synthesis, characterization, structure, and photophysical properties. Dyes and Pigments, 2013, 99, 1036-1043.	3.7	23
26	Microwave-assisted synthesis, third-order nonlinear optical properties, voltammetry cyclic and theoretical calculations of organotin compounds bearing push–pull Schiff bases. Journal of Organometallic Chemistry, 2016, 806, 68-76.	1.8	22
27	Optically active pentacyclic binuclear diorganotin compounds. Journal of Organometallic Chemistry, 2006, 691, 1584-1589.	1.8	21
28	Synthesis, characterization, photophysical properties of new fluorescent boron Schiff bases (BOSCHIBAs) and their application as cytoplasm staining dyes inÂvitro. Journal of Organometallic Chemistry, 2017, 852, 64-73.	1.8	19
29	Recent advances on synthesis and applications of lead- and tin-free perovskites. Journal of Alloys and Compounds, 2020, 835, 155112.	5.5	19
30	Hypervalent and binuclear silicon and germanium derivatives from bis-(3,5-di-tert-butyl-2-phenol)-oxamide. Journal of Organometallic Chemistry, 2007, 692, 5549-5554.	1.8	16
31	Boron Schiff bases derived from α-amino acids as nucleoli/cytoplasm cell-staining fluorescent probes in vitro. RSC Advances, 2020, 10, 31748-31757.	3.6	13
32	Recent Advances in BODIPY Compounds: Synthetic Methods, Optical and Nonlinear Optical Properties, and Their Medical Applications. Molecules, 2022, 27, 1877.	3.8	13
33	Mechanistic insight into the photocatalytic degradation of organic pollutants and electrochemical behavior of modified MWCNTs/Cu–Co <sub>3</sub> O <sub>4</sub> nanocomposites. Reaction Chemistry and Engineering, 2022, 7, 1847-1872.	3.7	13
34	Organotin Schiff bases as halofluorochromic dyes: green synthesis, chemio-photophysical characterization, DFT, and their fluorescent bioimaging <i>in vitro</i> . Journal of Materials Chemistry B, 2021, 9, 7698-7712.	5.8	12
35	Syntheses, Characterizations, and X-ray Single-Crystal Structures of 1,8-Bis(trimethylsilylamino)naphthalene Aluminum Hydride and the Methyl Derivative. European Journal of Inorganic Chemistry, 2007, 2007, 4919-4922.	2.0	11
36	Dinuclear Tin(II) Complex of a Bulky <i>cis</i> â€Oxamide: Synthesis, Characterization, Crystal Structure, and DFT Studies. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1486-1490.	1.2	11

#	Article	IF	CITATIONS
37	Fluorescent molecular rotors (FMRs) of organoboron derived from Schiff bases and their multi-stimuli responsive. Optical Materials, 2019, 89, 123-131.	3.6	11
38	Synthesis of Î <sup>2</sup> -hydroxyacetamides from unactivated ethyl acetates under base-free conditions and microwave irradiation. Tetrahedron: Asymmetry, 2015, 26, 73-78.	1.8	10
39	Molecular structures, DFT studies and their photophysical properties in solution and solid state. Microwave-assisted multicomponent synthesis of organotin bearing Schiff bases. Journal of Molecular Structure, 2019, 1180, 642-650.	3.6	10
40	Ultrasound-assisted synthesis of organotin compounds and their application as luminescent dye in silk fibroin scaffolds. Inorganica Chimica Acta, 2020, 505, 119490.	2.4	10
41	Farâ€Red and Nearâ€Infrared Boron Schiff Bases (BOSCHIBAs) Dyes Bearing Anionic Boron Clusters. European Journal of Inorganic Chemistry, 2021, 2021, 2047-2054.	2.0	9
42	Ring Puckering in Chloride-[N,N′-Bis(2,6-Diisopropylphenyl)-2,2,6,6-Tetramethylheptane-3,5-Diiminato]Tin(II). Journal of Chemical Crystallography, 2012, 42, 34-37.	1.1	8
43	Fluorescent organotin compounds as dyes in silk fibroin ( <i>Bombyx mori</i> ): ultrasound-assisted synthesis, chemo-optical characterization, cytotoxicity, and confocal fluorescence microscopy. New Journal of Chemistry, 2019, 43, 5150-5158.	2.8	8
44	Berry exchange coordinate geometry in 3-methyl-2-hydroxycyclopenten-1-one tin esters. Journal of Organometallic Chemistry, 2006, 691, 1590-1597.	1.8	7
45	Synthesis, characterization, molecular structures, cytotoxic and antibacterial activities of N,N′-diaryl-o-phenylenediamines. Journal of Molecular Structure, 2013, 1031, 168-174.	3.6	7
46	Multi-stimuli fluorescent behaviour of boron compounds derived from hydrazones in the solid state (thermochromism, vapochromism, and piezochromism): Synthesis, characterization, and photophysical studies. Journal of Luminescence, 2018, 198, 342-349.	3.1	7
47	Fluorescent boron Schiff bases dyes for staining silk fibroin: Green synthesis, structural characterization, DFT, and photophysical properties. Applied Organometallic Chemistry, 2019, 33, e4609.	3.5	7
48	Degradation of poly(ethylene terephthalate) waste with dimethyl tin distanoxane as a catalyst. Journal of Applied Polymer Science, 2013, 130, 3482-3488.	2.6	6
49	Organoboron Schiff bases as cellâ€staining fluorescent probes: Synthesis, Chemioâ€photophysical characterization, DFT, and Xâ€ray structures. Applied Organometallic Chemistry, 2019, 33, e4718.	3.5	6
50	Twoâ€Photon Detection of Organotin Schiff Base Complexes in Cancer Cells. ChemistrySelect, 2020, 5, 1623-1627.	1.5	6
51	Synthesis, characterization and ethylene polymerization activity of titanium, zirconium and hafnium compounds derivatives from symmetric oxamide. Polyhedron, 2007, 26, 4321-4327.	2.2	5
52	Ring puckering in group 14 β-diketiminate chlorometallylenes is of quantum-mechanical origin. Polyhedron, 2012, 42, 182-189.	2.2	5
53	Synthesis, structural characterization, cytotoxicity in vitro, and effect on DNA of sulfate-trans-dichloro-trans-bis(dimethylsulfoxide)-trans-dimethyl-tin(IV). Journal of Molecular Structure, 2014, 1058, 9-13.	3.6	5
54	Catalytic Acetylation Amines with Ethyl Acetate. Main Group Metal Chemistry, 2008, 31, .	1.6	4

#	Article	IF	CITATIONS
55	Luminescent Sensing of Volatile Organic Compounds Using a Zn-based Coordination Polymer with Tunable Morphology. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 467-473.	3.7	4
56	Amine adduct with tin (II) chloride: Synthesis, molecular structure characterization, and DFT computational studies. Arabian Journal of Chemistry, 2019, 12, 5120-5124.	4.9	4
57	Green synthesis of fluorescent Schiff bases: chemo-photophysical characterization, X-ray structures, and their bioimaging. New Journal of Chemistry, 2021, 45, 17183-17189.	2.8	4
58	Unexpected reactivity of "Gal―towards N,N′-diaryl-β-diketiminate tin(II) chloride: Synthesis, X-ray diffraction analysis and DFT studies. Arabian Journal of Chemistry, 2019, 12, 3231-3235.	4.9	2
59	Microwave assisted organic syntheses (MAOS): The green synthetic method. , 2021, , 491-542.		2
60	Recent advances in microwave assisted syntheses of organometallic and coordination compounds. , 2021, , 543-584.		2
61	Preferential intermolecular interactions in a racemic mixture of amino acid Schiff base, conformational structures in solid state, and DFT studies. New Journal of Chemistry, 2021, 45, 1727-1733.	2.8	1
62	Organotin compounds bearing C3-symmetric Schiff base: Microwave-assisted multicomponent synthesis and their photophysical properties. Journal of Organometallic Chemistry, 2021, 954-955, 122111.	1.8	1
63	N-[3-(2,6-Dimethylanilino)-1-methylbut-2-enylidene]-2,6-dimethylanilinium chloride. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1671-o1672.	0.2	1
64	Recent advances of synthesis of Boron derivatives and their applications in bioimaging. International Journal of Advances in Medical Biotechnology - IJAMB, 2018, 1, 8.	0.2	1
65	4-[(E)-(4-Fluorobenzylidene)amino]benzoic acid. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o175-o175.	0.2	0
66	Synthesis of Iron-containing Nanomaterials by "Greener―Methods and Their Use for Disinfection of Water. Materials Research Society Symposia Proceedings, 2013, 1558, 1.	0.1	0
67	Centrosymmetric Binuclear Boron Compounds Derived from Dithiooxamides: Synthesis, Characterization, and Their Photophysical Properties. Journal of Chemistry, 2018, 2018, 1-10.	1.9	0
68	Recent Advances in Direct Synthesis of Organometallic and Coordination Compounds. , 2018, , 25-85.		0
69	Synthesis, Characterization, X-Ray Structure, and Conformation DFT Calculation of a Carbohydrazide Derivative. Journal of Chemical Crystallography, 2019, 49, 92-97.	1.1	0
70	SÃntesis y uso de histidinato de cobre en niños con enfermedad de Menkes en México. Gaceta Medica De Mexico, 2019, 155, 191-195.	0.3	0
71	A Dft Study on Metformin Drug Interaction with Boschiba. SSRN Electronic Journal, 0, , .	0.4	0
72	CHAPTER 9. Environmental Applications of Iron-Containing Nanomaterials: Synthetic Routes, Structures, Compositions and Properties. RSC Detection Science. 0 193-220.	0.0	0

#	Article	IF	CITATIONS
73	Supramolecular interactions in X-ray structures of oxalamides: Green synthesis and characterization. Journal of Molecular Structure, 2022, 1263, 133144.	3.6	Ο