

VÃ-ctor M JimÃ©nez-PÃ©rez

List of Publications by Year in descending order

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73
papers

2,379
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279487

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205818

48
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81
all docs

81
docs citations

81
times ranked

3511
citing authors

#	ARTICLE	IF	CITATIONS
1	The greener synthesis of nanoparticles. Trends in Biotechnology, 2013, 31, 240-248.	4.9	808
2	Iron-containing nanomaterials: synthesis, properties, and environmental applications. RSC Advances, 2012, 2, 9325.	1.7	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.	1.9	138
4	Recent Advances in the Synthesis and Main Applications of Metallic Nanoalloys. Industrial & Engineering Chemistry Research, 2011, 50, 7705-7721.	1.8	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.	1.7	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.	2.0	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.	2.9	52
8	Recent Advances in Synthesis and Properties of Hybrid Halide Perovskites for Photovoltaics. Nano-Micro Letters, 2018, 10, 68.	14.4	50
9	Ultrasmall particles and nanocomposites: state of the art. RSC Advances, 2013, 3, 22648.	1.7	43
10	Recent advances on ditopic ligands. Journal of Coordination Chemistry, 2010, 63, 1-25.	0.8	38
11	Novel fluorescent Schiff bases as Al ³⁺ sensors with high selectivity and sensitivity, and their bioimaging applications. Materials Chemistry and Physics, 2019, 233, 89-101.	2.0	37
12	Synthesis, crystal structure and non-linear optical properties of boronates derivatives of salicylideneiminophenols. Journal of Organometallic Chemistry, 2008, 693, 1321-1334.	0.8	35
13	Organoaluminum Hydroxides Supported by \hat{I}^2 -Diketiminato Ligands: Synthesis, Structural Characterization, and Reactions. Organometallics, 2008, 27, 769-777.	1.1	31
14	Luminescent Silk Fibroin with Organotin Compounds from Amino Acid Schiff Bases – Microwave-Assisted Synthesis, Chemical Optical Characterization, Cytotoxicity, and Confocal Microscopy. European Journal of Inorganic Chemistry, 2017, 2017, 2818-2827.	1.0	30
15	Rigid five-coordinate diorganotin derivatives of oxalic acid diamides, studied by ¹¹⁹ Sn-NMR and X-ray structural analysis. Journal of Organometallic Chemistry, 2000, 604, 229-233.	0.8	29
16	Organotin Dyes Bearing Anionic Boron Clusters as Cell-Staining Fluorescent Probes. Chemistry - A European Journal, 2018, 24, 5601-5612.	1.7	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.	1.4	29
18	Recent advances in boron-based schiff base derivatives for organic light-emitting diodes. Materials Today Chemistry, 2019, 11, 133-155.	1.7	29

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19	Synthesis, X-ray diffraction analysis and nonlinear optical properties of hexacoordinated organotin compounds derived from Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2014, 769, 64-71.	0.8	28
20	Quantum chemical elucidation of the turn-on luminescence mechanism in two new Schiff bases as selective chemosensors of Zn ²⁺ : synthesis, theory and bioimaging applications. <i>RSC Advances</i> , 2019, 9, 30778-30789.	1.7	28
21	Luminescent molecules of main group elements: Recent advances on synthesis, properties and their application on fluorescent bioimaging (FBI). <i>Journal of Luminescence</i> , 2018, 195, 290-313.	1.5	27
22	Enantioselective synthesis of β^2 -amino acids. Part 10: Preparation of novel β^1, β^2 - and β^2, β^2 -disubstituted β^2 -amino acids from (S)-asparagine. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3493-3505.	1.8	26
23	Monomeric Boron and Tin(II) Heterocyclic Derivatives of 1,8-Diaminonaphthalenes: Synthesis, Characterization and X-ray Structures. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2238-2243.	1.0	25
24	Coordination and Organometallic Nanomaterials: A Microreview. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2010, 40, 640-650.	0.6	24
25	Luminescent organoboron compounds derived from salicylidenebenzohydrazide: Synthesis, characterization, structure, and photophysical properties. <i>Dyes and Pigments</i> , 2013, 99, 1036-1043.	2.0	23
26	Microwave-assisted synthesis, third-order nonlinear optical properties, voltammetry cyclic and theoretical calculations of organotin compounds bearing push-pull Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2016, 806, 68-76.	0.8	22
27	Optically active pentacyclic binuclear diorganotin compounds. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1584-1589.	0.8	21
28	Synthesis, characterization, photophysical properties of new fluorescent boron Schiff bases (BOSCHIBAs) and their application as cytoplasm staining dyes <i>in vitro</i> . <i>Journal of Organometallic Chemistry</i> , 2017, 852, 64-73.	0.8	19
29	Recent advances on synthesis and applications of lead- and tin-free perovskites. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155112.	2.8	19
30	Hypervalent and binuclear silicon and germanium derivatives from bis-(3,5-di-tert-butyl-2-phenol)-oxamide. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5549-5554.	0.8	16
31	Boron Schiff bases derived from β^1 -amino acids as nucleoli/cytoplasm cell-staining fluorescent probes <i>in vitro</i> . <i>RSC Advances</i> , 2020, 10, 31748-31757.	1.7	13
32	Recent Advances in BODIPY Compounds: Synthetic Methods, Optical and Nonlinear Optical Properties, and Their Medical Applications. <i>Molecules</i> , 2022, 27, 1877.	1.7	13
33	Mechanistic insight into the photocatalytic degradation of organic pollutants and electrochemical behavior of modified MWCNTs/Cu ³⁺ /Co ⁴⁺ nanocomposites. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1847-1872.	1.9	13
34	Organotin Schiff bases as halofluorochromic dyes: green synthesis, chemio-photophysical characterization, DFT, and their fluorescent bioimaging <i>in vitro</i> . <i>Journal of Materials Chemistry B</i> , 2021, 9, 7698-7712.	2.9	12
35	Syntheses, Characterizations, and X-ray Single-Crystal Structures of 1,8-Bis(trimethylsilylamino)naphthalene Aluminum Hydride and the Methyl Derivative. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4919-4922.	1.0	11
36	Dinuclear Tin(II) Complex of a Bulky <i>cis</i> -Oxamide: Synthesis, Characterization, Crystal Structure, and DFT Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1486-1490.	0.6	11

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37	Fluorescent molecular rotors (FMRs) of organoboron derived from Schiff bases and their multi-stimuli responsive. <i>Optical Materials</i> , 2019, 89, 123-131.	1.7	11
38	Synthesis of \hat{I}^2 -hydroxyacetamides from unactivated ethyl acetates under base-free conditions and microwave irradiation. <i>Tetrahedron: Asymmetry</i> , 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. <i>Journal of Molecular Structure</i> , 2019, 1180, 642-650.	1.8	10
40	Ultrasound-assisted synthesis of organotin compounds and their application as luminescent dye in silk fibroin scaffolds. <i>Inorganica Chimica Acta</i> , 2020, 505, 119490.	1.2	10
41	Far-Red and Near-Infrared Boron Schiff Bases (BOSCHIBAs) Dyes Bearing Anionic Boron Clusters. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2047-2054.	1.0	9
42	Ring Puckering in Chloride-[N,N'-Bis(2,6-Diisopropylphenyl)-2,2,6,6-Tetramethylheptane-3,5-Diiminato]Tin(II). <i>Journal of Chemical Crystallography</i> , 2012, 42, 34-37.	0.5	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. <i>New Journal of Chemistry</i> , 2019, 43, 5150-5158.	1.4	8
44	Berry exchange coordinate geometry in 3-methyl-2-hydroxycyclopenten-1-one tin esters. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1590-1597.	0.8	7
45	Synthesis, characterization, molecular structures, cytotoxic and antibacterial activities of N,N'-diaryl-o-phenylenediamines. <i>Journal of Molecular Structure</i> , 2013, 1031, 168-174.	1.8	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. <i>Journal of Luminescence</i> , 2018, 198, 342-349.	1.5	7
47	Fluorescent boron Schiff bases dyes for staining silk fibroin: Green synthesis, structural characterization, DFT, and photophysical properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4609.	1.7	7
48	Degradation of poly(ethylene terephthalate) waste with dimethyl tin distanoxane as a catalyst. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3482-3488.	1.3	6
49	Organoboron Schiff bases as cell-staining fluorescent probes: Synthesis, Chemio-photophysical characterization, DFT, and X-ray structures. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4718.	1.7	6
50	Two-Photon Detection of Organotin Schiff Base Complexes in Cancer Cells. <i>ChemistrySelect</i> , 2020, 5, 1623-1627.	0.7	6
51	Synthesis, characterization and ethylene polymerization activity of titanium, zirconium and hafnium compounds derivatives from symmetric oxamide. <i>Polyhedron</i> , 2007, 26, 4321-4327.	1.0	5
52	Ring puckering in group 14 \hat{I}^2 -diketiminato chlorometallylenes is of quantum-mechanical origin. <i>Polyhedron</i> , 2012, 42, 182-189.	1.0	5
53	Synthesis, structural characterization, cytotoxicity in vitro, and effect on DNA of sulfate-trans-dichloro-trans-bis(dimethylsulfoxide)-trans-dimethyl-tin(IV). <i>Journal of Molecular Structure</i> , 2014, 1058, 9-13.	1.8	5
54	Catalytic Acetylation Amines with Ethyl Acetate. <i>Main Group Metal Chemistry</i> , 2008, 31, .	0.6	4

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55	Luminescent Sensing of Volatile Organic Compounds Using a Zn-based Coordination Polymer with Tunable Morphology. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 467-473.	1.9	4
56	Amine adduct with tin (II) chloride: Synthesis, molecular structure characterization, and DFT computational studies. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5120-5124.	2.3	4
57	Green synthesis of fluorescent Schiff bases: chemo-photophysical characterization, X-ray structures, and their bioimaging. <i>New Journal of Chemistry</i> , 2021, 45, 17183-17189.	1.4	4
58	Unexpected reactivity of α -Gal towards N,N'-diaryl- β -diketiminato tin(II) chloride: Synthesis, X-ray diffraction analysis and DFT studies. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3231-3235.	2.3	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. <i>New Journal of Chemistry</i> , 2021, 45, 1727-1733.	1.4	1
62	Organotin compounds bearing C3-symmetric Schiff base: Microwave-assisted multicomponent synthesis and their photophysical properties. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122111.	0.8	1
63	N-[3-(2,6-Dimethylanilino)-1-methylbut-2-enylidene]-2,6-dimethylanilinium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1671-o1672.	0.2	1
64	Recent advances of synthesis of Boron derivatives and their applications in bioimaging. <i>International Journal of Advances in Medical Biotechnology - IJAMB</i> , 2018, 1, 8.	0.1	1
65	4-[(E)-(4-Fluorobenzylidene)amino]benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o175-o175.	0.2	0
66	Synthesis of Iron-containing Nanomaterials by α -Greener Methods and Their Use for Disinfection of Water. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1558, 1.	0.1	0
67	Centrosymmetric Binuclear Boron Compounds Derived from Dithiooxamides: Synthesis, Characterization, and Their Photophysical Properties. <i>Journal of Chemistry</i> , 2018, 2018, 1-10.	0.9	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. <i>Journal of Chemical Crystallography</i> , 2019, 49, 92-97.	0.5	0
70	Síntesis y uso de histidinato de cobre en niños con enfermedad de Menkes en México. <i>Gaceta Medica De Mexico</i> , 2019, 155, 191-195.	0.5	0
71	A Dft Study on Metformin Drug Interaction with Boschiba. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
72	CHAPTER 9. Environmental Applications of Iron-Containing Nanomaterials: Synthetic Routes, Structures, Compositions and Properties. <i>RSC Detection Science</i> , 0, , 193-220.	0.0	0

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73	Supramolecular interactions in X-ray structures of oxalamides: Green synthesis and characterization. Journal of Molecular Structure, 2022, 1263, 133144.	1.8	0