

# Victor M Jimenez-Prez

## List of Publications by Citations

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68

papers

1,758

citations

20

h-index

41

g-index

81

ext. papers

2,034

ext. citations

3.5

avg, IF

4.7

L-index

#	Paper	IF	Citations
68	The greener synthesis of nanoparticles. <i>Trends in Biotechnology</i> , <b>2013</b> , 31, 240-8	15.1	644
67	Iron-containing nanomaterials: synthesis, properties, and environmental applications. <i>RSC Advances</i> , <b>2012</b> , 2, 9325	3.7	243
66	Recent Advances in the Synthesis and Main Applications of Metallic Nanoalloys. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 7705-7721	3.9	76
65	Fluorescent Molecular Rotors of Organoboron Compounds from Schiff Bases: Synthesis, Viscosity, Reversible Thermochromism, Cytotoxicity, and Bioimaging Cells. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 2375-2385	4.2	53
64	Synthesis and photophysical characterization of organotin compounds derived from Schiff bases for organic light emitting diodes. <i>Dyes and Pigments</i> , <b>2014</b> , 106, 188-196	4.6	41
63	Ultrasmall particles and nanocomposites: state of the art. <i>RSC Advances</i> , <b>2013</b> , 3, 22648	3.7	40
62	New application of fluorescent organotin compounds derived from Schiff bases: synthesis, X-ray structures, photophysical properties, cytotoxicity and fluorescent bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 5731-5745	7.3	39
61	Recent advances on ditopic ligands. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 1-25	1.6	33
60	Synthesis, crystal structure and non-linear optical properties of boronates derivatives of salicylideneiminophenols. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 1321-1334	2.3	30
59	Organoaluminum Hydroxides Supported by $\beta$ -Diketiminato Ligands: Synthesis, Structural Characterization, and Reactions. <i>Organometallics</i> , <b>2008</b> , 27, 769-777	3.8	29
58	Recent Advances in Synthesis and Properties of Hybrid Halide Perovskites for Photovoltaics. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 68	19.5	29
57	Rigid five-coordinate diorganotin derivatives of oxalic acid diamides, studied by $^{119}\text{Sn}$ -NMR and X-ray structural analysis. <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 604, 229-233	2.3	28
56	Luminescent Silk Fibroin with Organotin Compounds from Amino Acid Schiff Bases $\square$ Microwave-Assisted Synthesis, Chemo-Optical Characterization, Cytotoxicity, and Confocal Microscopy. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 2818-2827	2.3	25
55	Monomeric Boron and Tin(II) Heterocyclic Derivatives of 1,8-Diaminonaphthalenes: Synthesis, Characterization and X-ray Structures. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 2238-2243	2.3	23
54	Synthesis, X-ray diffraction analysis and nonlinear optical properties of hexacoordinated organotin compounds derived from Schiff bases. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 769, 64-71	2.3	22
53	Coordination and Organometallic Nanomaterials: A Microreview. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2010</b> , 40, 640-650		22
52	Optically active pentacyclic binuclear diorganotin compounds. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 1584-1589	2.3	21

51	Enantioselective synthesis of $\alpha$ -amino acids. Part 10: Preparation of novel $\beta$ - and $\gamma$ -disubstituted $\alpha$ -amino acids from (S)-asparagine. <i>Tetrahedron: Asymmetry</i> , <b>1999</b> , 10, 3493-3505		21
50	Novel fluorescent Schiff bases as Al <sup>3+</sup> sensors with high selectivity and sensitivity, and their bioimaging applications. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 233, 89-101	4.4	20
49	Organotin Dyes Bearing Anionic Boron Clusters as Cell-Staining Fluorescent Probes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 5601-5612	4.8	20
48	Luminescent organoboron compounds derived from salicylidenebenzohydrazide: Synthesis, characterization, structure, and photophysical properties. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 1036-1043	4.6	20
47	Luminescent molecules of main group elements: Recent advances on synthesis, properties and their application on fluorescent bioimaging (FBI). <i>Journal of Luminescence</i> , <b>2018</b> , 195, 290-313	3.8	20
46	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> , <b>2016</b> , 806, 68-76	2.3	18
45	Quantum chemical elucidation of the turn-on luminescence mechanism in two new Schiff bases as selective chemosensors of Zn: synthesis, theory and bioimaging applications.. <i>RSC Advances</i> , <b>2019</b> , 9, 30778-30789	3.7	16
44	Synthesis, characterization, photophysical properties of new fluorescent boron Schiff bases (BOSCHIBAs) and their application as cytoplasm staining dyes in vitro. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 852, 64-73	2.3	15
43	Recent advances in boron-based schiff base derivatives for organic light-emitting diodes. <i>Materials Today Chemistry</i> , <b>2019</b> , 11, 133-155	6.2	15
42	One-pot microwave-assisted synthesis of organotin Schiff bases: an optical and electrochemical study towards their effects in organic solar cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14586-14596	3.6	14
41	Recent progress on visible-light-driven metal and non-metal doped ZnO nanostructures for photocatalytic degradation of organic pollutants. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 140, 106390	4.3	14
40	Hypervalent and binuclear silicon and germanium derivatives from bis-(3,5-di-tert-butyl-2-phenol)-oxamide. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 5549-5554	2.3	12
39	Dinuclear Tin(II) Complex of a Bulky cis-Oxamide: Synthesis, Characterization, Crystal Structure, and DFT Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2012</b> , 638, 1486-1490	1.3	11
38	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> , <b>2007</b> , 2007, 4919-4922	2.3	11
37	Recent advances on synthesis and applications of lead- and tin-free perovskites. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155112	5.7	10
36	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> , <b>2019</b> , 1180, 642-650	3.4	9
35	Synthesis of $\beta$ -hydroxyacetamides from unactivated ethyl acetates under base-free conditions and microwave irradiation. <i>Tetrahedron: Asymmetry</i> , <b>2015</b> , 26, 73-78		8
34	Ultrasound-assisted synthesis of organotin compounds and their application as luminescent dye in silk fibroin scaffolds. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 505, 119490	2.7	7

33	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> , <b>2012</b> , 42, 34-37	0.5	7
32	Synthesis, characterization, molecular structures, cytotoxic and antibacterial activities of N,N'-diaryl-o-phenylenediamines. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1031, 168-174	3.4	6
31	Degradation of poly(ethylene terephthalate) waste with dimethyl tin distanoxane as a catalyst. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3482-3488	2.9	6
30	Berry exchange coordinate geometry in 3-methyl-2-hydroxycyclopenten-1-one tin esters. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 1590-1597	2.3	6
29	Boron Schiff bases derived from amino acids as nucleoli/cytoplasm cell-staining fluorescent probes .. <i>RSC Advances</i> , <b>2020</b> , 10, 31748-31757	3.7	6
28	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> , <b>2019</b> , 43, 5150-5158	3.6	6
27	Fluorescent molecular rotors (FMRs) of organoboron derived from Schiff bases and their multi-stimuli responsive. <i>Optical Materials</i> , <b>2019</b> , 89, 123-131	3.3	5
26	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> , <b>2018</b> , 198, 342-349	3.8	5
25	Ring puckering in group 14 diketiminate chlorometalylenes is of quantum-mechanical origin. <i>Polyhedron</i> , <b>2012</b> , 42, 182-189	2.7	5
24	Fluorescent boron Schiff bases dyes for staining silk fibroin: Green synthesis, structural characterization, DFT, and photophysical properties. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4609	3.1	5
23	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> , <b>2017</b> , 27, 467-473	3.2	4
22	Two-Photon Detection of Organotin Schiff Base Complexes in Cancer Cells. <i>ChemistrySelect</i> , <b>2020</b> , 5, 1623-1627	1.8	4
21	Catalytic Acetylation Amines with Ethyl Acetate. <i>Main Group Metal Chemistry</i> , <b>2008</b> , 31,	1.6	4
20	Synthesis, characterization and ethylene polymerization activity of titanium, zirconium and hafnium compounds derivatives from symmetric oxamide. <i>Polyhedron</i> , <b>2007</b> , 26, 4321-4327	2.7	4
19	Amine adduct with tin (II) chloride: Synthesis, molecular structure characterization, and DFT computational studies. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 5120-5124	5.9	4
18	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> , <b>2014</b> , 1058, 9-13	3.4	3
17	Organoboron Schiff bases as cell-staining fluorescent probes: Synthesis, Chemio-photophysical characterization, DFT, and X-ray structures. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4718	3.1	2
16	Far-Red and Near-Infrared Boron Schiff Bases (BOSCHIBAs) Dyes Bearing Anionic Boron Clusters. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 2047-2054	2.3	2

15	Unexpected reactivity of Cu(I) towards N,N'-diaryl-Ediketimate tin(II) chloride: Synthesis, X-ray diffraction analysis and DFT studies. <i>Arabian Journal of Chemistry</i> , <b>2019</b> , 12, 3231-3235	5.9	2
14	Green synthesis of fluorescent Schiff bases: chemo-photophysical characterization, X-ray structures, and their bioimaging. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 17183-17189	3.6	2
13	Organotin Schiff bases as halofluorochromic dyes: green synthesis, chemo-photophysical characterization, DFT, and their fluorescent bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 7698-7712	7.3	2
12	N-[3-(2,6-Dimethylanilino)-1-methylbut-2-enylidene]-2,6-dimethylanilinium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, o1671-2		1
11	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> , <b>2021</b> , 45, 1727-1733	3.6	1
10	Microwave assisted organic syntheses (MAOS): The green synthetic method <b>2021</b> , 491-542		1
9	Recent advances in microwave assisted syntheses of organometallic and coordination compounds <b>2021</b> , 543-584		1
8	Organotin compounds bearing C <sub>3</sub> -symmetric Schiff base: Microwave-assisted multicomponent synthesis and their photophysical properties. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 954-955, 122117	3	0
7	Recent Advances in Direct Synthesis of Organometallic and Coordination Compounds <b>2018</b> , 25-85		
6	Synthesis of Iron-containing Nanomaterials by Greener Methods and Their Use for Disinfection of Water. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1558, 1		
5	4-[(E)-(4-Fluoro-benzyl-idene)amino]-benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o175		
4	Síntesis y uso de histidinato de cobre en niños con enfermedad de Menkes en México. <i>Gaceta Medica De Mexico</i> , <b>2019</b> , 155, 191-195	0.3	
3	Synthesis, Characterization, X-Ray Structure, and Conformation DFT Calculation of a Carbohydrazide Derivative. <i>Journal of Chemical Crystallography</i> , <b>2019</b> , 49, 92-97	0.5	
2	Centrosymmetric Binuclear Boron Compounds Derived from Dithiooxamides: Synthesis, Characterization, and Their Photophysical Properties. <i>Journal of Chemistry</i> , <b>2018</b> , 2018, 1-10	2.3	
1	Supramolecular interactions in X-ray structures of oxalamides: Green synthesis and characterization. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1263, 133144	3.4	