

Miguel Ponce-Vargas

List of Publications by Year in descending order

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33
papers

558
citations

623188

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times ranked

909
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#	ARTICLE	IF	CITATIONS
1	Simple and highly sensitive 2-hydroxy-1,4-naphthoquinone/glassy carbon sensor for the electrochemical detection of $[\text{Ni}(\text{CN})_4]^{2-}$ in metallurgical industry wastewater. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 1053-1065.	1.5	2
2	Hierarchical Porous Carbon-PtPd Catalysts and Their Activity toward Oxygen Reduction Reaction. <i>ACS Omega</i> , 2022, 7, 20860-20871.	1.6	2
3	Electrochemical sensor based on 1,8-dihydroxyanthraquinone adsorbed on a glassy carbon electrode for the detection of $[\text{Cu}(\text{CN})_3](\text{aq})^{2-}$ in alkaline cyanide copper plating baths waste. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114909.	1.9	10
4	Pyridazinone derivatives as potential anti-inflammatory agents: synthesis and biological evaluation as PDE4 inhibitors. <i>RSC Medicinal Chemistry</i> , 2021, 12, 584-592.	1.7	10
5	Atomic Decomposition Scheme of Noncovalent Interactions Applied to Host-Guest Assemblies. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 268-278.	2.5	50
6	Three-phenyl transfer in palladium-catalyzed C-C coupling reactions by triarylbismuths: A mechanistic study. <i>Molecular Catalysis</i> , 2020, 482, 110649.	1.0	0
7	Highly Porous Reduced Graphene Oxide-Coated Carbonized Cotton Fibers as Supercapacitor Electrodes. <i>ACS Omega</i> , 2020, 5, 32149-32159.	1.6	23
8	Mechanistic insights into Smiles rearrangement. Focus on π - π stacking interactions along the radical cascade. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6840-6848.	1.5	11
9	Novel approach to accurately predict bond strength and ligand lability in platinum-based anticancer drugs. <i>Dalton Transactions</i> , 2020, 49, 12632-12642.	1.6	16
10	Dibenzyl Disulfide Adsorption on Cationic Exchanged Faujasites: A DFT Study. <i>Nanomaterials</i> , 2019, 9, 715.	1.9	16
11	The role of solvation models on the computed absorption and emission spectra: the case of fireflies oxyluciferin. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4613-4623.	1.3	22
12	Rationalisation of the optical signatures of <i>nor</i> -dihydroxanthene-hemicyanine fused near-infrared fluorophores by first-principle tools. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12120-12128.	1.3	3
13	Atom Transfer Radical Addition Catalyzed by Ruthenium-Arene Complexes Bearing a Hybrid Phosphine-Diene Ligand. <i>Organometallics</i> , 2018, 37, 812-820.	1.1	13
14	Searching for new boron difluoride \hat{I}^2 -diketonate complexes with enhanced absorption/emission properties using ab initio tools. <i>Dyes and Pigments</i> , 2018, 155, 59-67.	2.0	14
15	Nature of cucurbituril-halogen encapsulation. Structural and interaction energy consideration in the $X_{2@CB[n]}$ ($X = \text{Cl}, \text{Br}, \text{I}, n = 6, 7, 8$) from relativistic DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29325-29332.	1.3	7
16	Formation of Coinage-Metal- C_{60} -Fullerene Adducts. Evaluation of the Interaction Nature between Triangular Coinage Metal Complexes ($M_3 = \text{Cu}, \text{Ag}, \text{and Au}$) and C_{60} through Relativistic Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25110-25117.	1.5	21
17	Stabilizing Role of Halide Ions in Endohedral [20]Silafullerenes: Insights from DFT Calculations toward Silicon Nanocages. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12551-12558.	1.5	11
18	Design of a multifunctionalizable BODIPY platform for the facile elaboration of a large series of gold(i)-based optical theranostics. <i>Dalton Transactions</i> , 2018, 47, 11203-11218.	1.6	14

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19	Influence of the electron donor groups on the optical and electrochemical properties of borondifluoride complexes of curcuminoid derivatives: a joint theoretical and experimental study. <i>RSC Advances</i> , 2017, 7, 10132-10142.	1.7	26
20	Ethynylene-analogues of hemicurcuminoids: Synthesis and ground- and excited properties of their boron difluoride complexes. <i>Dyes and Pigments</i> , 2017, 141, 38-47.	2.0	6
21	Synthesis of Bioinspired Curcuminoid Small Molecules for Solution-Processed Organic Solar Cells with High Open-Circuit Voltage. <i>ACS Energy Letters</i> , 2017, 2, 1303-1307.	8.8	34
22	Combined TD-DFT-SOS-CIS(D) Study of BOPHY Derivatives with Potential Application in Biosensing. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10850-10858.	1.2	21
23	Boron Difluoride Curcuminoid Fluorophores with Enhanced Two-Photon Excited Fluorescence Emission and Versatile Living-Cell Imaging Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 5219-5232.	1.7	77
24	Tiara-like Complexes acting as Iodine Encapsulating Agents: The Role of M⋯I Interactions in [M(1/4-SCH ₂ CO ₂ Me) ₂] ₈ ⋯I ₂ (M = Ni, Pd, Pt) Inclusion Compounds. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23441-23448.	1.5	9
25	Borondifluoride complexes of hemicurcuminoids as bio-inspired push-pull dyes for bioimaging. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1311-1324.	1.5	40
26	Metallacycles Capabilities in Host-Guest Chemistry. <i>ChemistryOpen</i> , 2015, 4, 656-660.	0.9	4
27	Metal containing cryptands as hosts for anions: evaluation of Cu⋯X and I⋯X interactions in halide-tricopper complexes through relativistic DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18677-18683.	1.3	11
28	[2.2.2]Paracyclophane, preference for 6- or 18- coordination mode including Ag and Sn: a survey into the cation- interaction nature through relativistic DFT calculations. <i>RSC Advances</i> , 2015, 5, 7803-7811.	1.7	25
29	Heavy Element Metallacycles: Insights into the Nature of Host-Guest Interactions Involving Dihalide Mercuramacrocycle Complexes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28244-28251.	1.5	20
30	A study on the versatility of metallacycles in host-guest chemistry: Interactions in halide-centered hexanuclear copper(ii) pyrazolate complexes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13103.	1.3	16
31	Theoretical study of the binding strength and magnetical response properties involved in the formation of the donor-acceptor [TTF⋯CBPQT] ₄ ⁺ host-guest system. <i>Polyhedron</i> , 2013, 54, 119-122.	1.0	4
32	Survey Of Long d ₁₀ -d ₁₀ Metallophilic Contacts in Four-Membered Rings of Ag(I) and Au(I) Supported by Carbene-Pyrazole Mixed Ligands. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8737-8743.	1.1	19
33	Biomass-Based Carbon Electrodes in the Design of Supercapacitors: An Electrochemical Point of View. , 0, , .		1