Plinio Cantero-LÃ³pez

List of Publications by Year
in descending order

30 papers	436 citations	758635 12 h-index	752256 20 g-index
30 all docs	30 docs citations	30 times ranked	448 citing authors

#	Article	IF	Citations
1	Removal of nafcillin sodium monohydrate from aqueous solution by hydrogels containing nanocellulose: An experimental and theoretical study. Journal of Molecular Liquids, 2022, 347, 117946.	2.3	5
2	Nanocellulose bio-based composites for the removal of methylene blue from water: An experimental and theoretical exploration. Journal of Molecular Liquids, 2022, 357, 119089.	2.3	6
3	Solvent effects on the molecular structure of isolated lignins of Eucalyptus nitens wood and oxidative depolymerization to phenolic chemicals. Polymer Degradation and Stability, 2022, 201, 109973.	2.7	3
4	Theoretical study of new LmDHODH and LmTXNPx complexes: structure-based relationships. Structural Chemistry, 2021, 32, 167-177.	1.0	12
5	Encapsulation of plant extract compounds using cyclodextrin inclusion complexes, liposomes, electrospinning and their combinations for food purposes. Trends in Food Science and Technology, 2021, 108, 177-186.	7.8	63
6	Combining edible coatings technology and nanoencapsulation for food application: A brief review with an emphasis on nanoliposomes. Food Research International, 2021, 145, 110402.	2.9	23
7	A strategy for characterizing the surface layer at the liquid-vapor interface of binary liquid mixtures containing non-ionic surfactants: An approach from Gibbs adsorption isotherm. Fluid Phase Equilibria, 2021, 541, 113090.	1.4	2
8	Mixing Functions of Binary Liquid Mixtures of Cyclic Alcohols and Ethylene Glycol at T = 293.15â€“318.15 K and Pressure P = 0.1 MPa: An Approach from the Volumetric and Viscometric Properties. Journal of Chemical & Engineering Data, 2021, 66, 3443-3452.	1.0	0
9	A theoretical chemistry-based strategy for the rational design of new luminescent lanthanide complexes: an approach from a multireference SOC-NEVPT2 method. Dalton Transactions, 2021, 50, 13561-13571.	1.6	5
10	The role of zero-field splitting and Ï€-stacking interaction of different nitrogen-donor ligands on the optical properties of luminescent rhenium tricarbonyl complexes. New Journal of Chemistry, 2021, 45, 11192-11201.	1.4	7
11	Removal of Dyes by Polymer-Enhanced Ultrafiltration: An Overview. Polymers, 2021, 13, 3450.	2.0	16
12	A physicochemical and conformational study of co-solvent effect on the molecular interactions between similarly charged protein surfactant (BSA-SDBS) system. Journal of Chemical Thermodynamics, 2020, 142, 106022.	1.0	32
13	Effect of lyophilization on the physicochemical and rheological properties of food grade liposomes that encapsulate rutin. Food Research International, 2020, 130, 108967.	2.9	32
14	Mixed micellization of bile salts and transglycosylated stevia and enhanced binding and solubility of non-steroidal anti-inflammatory drugs using mixed micelle. Journal of Molecular Liquids, 2020, 311, 113341.	2.3	12
15	Structural Characterization, DFT Calculation, NCI, Scan-Rate Analysis and Antifungal Activity against Botrytis cinerea of (E)-2-{[(2-Aminopyridin-2-yl)imino]-methyl}-4,6-di-tert-butylphenol (Pyridine Schiff) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	8
16	Protein-surfactant interactions: A multitechnique approach on the effect of Co-solvents over bovine serum albumin (BSA)-cetyl pyridinium chloride (CPC) system. Chemical Physics Letters, 2020, 747, 137349.	1.2	19
17	Luminescent europium(<scp>iii</scp>) and terbium(<scp>iii</scp>) complexes of Î²-diketonate and substituted terpyridine ligands: synthesis, crystal structures and elucidation of energy transfer pathways. New Journal of Chemistry, 2019, 43, 15139-15152.	1.4	38
18	Catalytic activity of a new Ru(ii) complex for the hydrogen transfer reaction of acetophenone and N-benzylideneaniline: synthesis, characterization and relativistic DFT approaches. New Journal of Chemistry, 2019, 43, 10545-10553.	1.4	3

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19	Classical and Quantum Mechanical Calculations of the Stacking Interaction of Nd^{III} Complexes with Regular and Mismatched DNA Sequences. Journal of Physical Chemistry B, 2019, 123, 3219-3231.	1.2	5
20	Influence of BSA on micelle formation of SDBS and CPC: An experimentalâ€“theoretical approach of its binding properties. Journal of Molecular Liquids, 2018, 271, 443-451.	2.3	20
21	Tuning the molecular antenna effect using donor and acceptor substituents on the optical properties of the [(C5F5)2ThMCp2]2+ and [(C5F5)2ThMCpL2]+ complexes, where M = Fe, Ru and Os and L = CO and C5H5N. New Journal of Chemistry, 2018, 42, 11013-11022.	1.4	5
22	Analysis of the aromaticity in extended systems formed from isoelectronic Al42â^' and C42+ aromatic clusters. Structural Chemistry, 2018, 29, 1383-1395.	1.0	3
23	Effect of Cosolvents DMSO and Glycerol on the Self-Assembly Behavior of SDBS and CPC: An Experimental and Theoretical Approach. Journal of Chemical & Engineering Data, 2018, 63, 3083-3096.	1.0	27
24	Synthesis, characterization and relativistic DFT studies of fac -Re(CO) 3 (isonicotinic acid) 2 Cl complex. Chemical Physics Letters, 2017, 688, 66-73.	1.2	7
25	Theoretical and experimental approach on the molecular interactions of the DL-Alanine with an electrolytic environment. Chemical Physics Letters, 2017, 687, 73-84.	1.2	5
26	Theoretical Method for an Accurate Elucidation of Energy Transfer Pathways in Europium(III) Complexes with Dipyridophenazine (dppz) Ligand: One More Step in the Study of the Molecular Antenna Effect. Inorganic Chemistry, 2017, 56, 9200-9208.	1.9	53
27	The origin of phosphorescence in Iridium (III) complexes. The role of relativistic effects. Chemical Physics Letters, 2017, 685, 60-68.	1.2	12
28	The role of the [CpM(CO)₂]^{â^'} chromophore in the optical properties of the [Cp₂ThMCp(CO)₂]⁺ complexes, where M = Fe, Ru and Os. A theoretical view. Dalton Transactions, 2015, 44, 20004-20010.	1.6	15
29	Experimental and Theoretical Exploration of Volumetric Properties of Aminobutyric Acid and l-Valine in the Electrolytic Environment at T = 283.15 to 318.15 K and Pressure P = 0.1 MPa. Journal of Chemical & Engineering Data, 0, , .	1.0	0
30	Thermodynamic Study of Amino Acids in an Aqueous Solution of Calcium Acetate at T = 283.15â€“308.15 K and Pressure P = 0.1 MPa: A Volumetric Approach. Journal of Chemical & Engineering Data, 0, , .	1.0	0