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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Removal of Dyes by Polymer-Enhanced Ultrafiltration: An Overview. Polymers, 2021, 13, 3450.	2.0	16
11	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
12	The origin of phosphorescence in Iridium (III) complexes. The role of relativistic effects. Chemical Physics Letters, 2017, 685, 60-68.	1.2	12
13	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
14	Theoretical study of new LmDHODH and LmTXNPx complexes: structure-based relationships. Structural Chemistry, 2021, 32, 167-177.	1.0	12
15	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
16	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
17	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		
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Analysis of the aromaticity in extended systems formed from isoelectronic Al42â^' and C42+ aromatic clusters. Structural Chemistry, 2018, 29, 1383-1395.	1.0	3
25	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
26	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
27	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
28	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
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