MarÃ-a Mar Quesada-Moreno

List of Publications by Year
in descending order

30 papers	386 citations	687363 13 h-index	839539 18 g-index
31 all docs	31 docs citations	31 times ranked	486 citing authors

#	Article	IF	Citations
1	Unexpected discovery of estrone in the rotational spectrum of estradiol: a systematic investigation of a CP-FTMW spectrum. Physical Chemistry Chemical Physics, 2022, 24, 5539-5545.	2.8	2
2	Rotational analysis of naphthol-aromatic ring complexes stabilized by electrostatic and dispersion interactions. Physical Chemistry Chemical Physics, 2022, 24, 1598-1609.	2.8	3
3	Large easy-axis magnetic anisotropy in a series of trigonal prismatic mononuclear cobalt(<scp>ii</scp>) complexes with zero-field hidden single-molecule magnet behaviour: the important role of the distortion of the coordination sphere and intermolecular interactions in the slow relaxation. Inorganic Chemistry Frontiers, 2022, 9, 2810-2831.	6.0	32
4	Sniffing out camphor: the fine balance between hydrogen bonding and London dispersion in the chirality recognition with Î±-fenchol. Physical Chemistry Chemical Physics, 2022, , .	2.8	1
5	A Scent of Peppermintâ€"A Microwave Spectroscopy Analysis on the Composition of Peppermint Oil. Symmetry, 2022, 14, 1262.	2.2	3
6	Unlocking the Water Trimer Loop: Isotopic Study of Benzophenoneâ€(H₂O)_{1â€"3}Clusters with Rotational Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 5323-5330.	13.8	18
7	Unlocking the Water Trimer Loop: Isotopic Study of Benzophenoneâ€(H₂O)_{1â€"3}Clusters with Rotational Spectroscopy. Angewandte Chemie, 2021, 133, 5383-5390.	2.0	10
8	Do Docking Sites Persist Upon Fluorination? The Diadamantyl Etherâ€Aromatics Challenge for Rotational Spectroscopy and Theory. Chemistry - A European Journal, 2021, 27, 6198-6203.	3.3	10
9	London Dispersion and Hydrogenâ€Bonding Interactions in Bulky Molecules: The Case of Diadamantyl Ether Complexes. Chemistry - A European Journal, 2020, 26, 10817-10825.	3.3	17
10	The synergy of different solid-state techniques to elucidate the supramolecular assembly of two 1H-benzotriazole polymorphs. Physical Chemistry Chemical Physics, 2019, 21, 19879-19889.	2.8	4
11	Analysis of thyme essential oils using gas-phase broadband rotational spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 26569-26579.	2.8	6
12	A vibrational circular dichroism (VCD) methodology for the measurement of enantiomeric excess in chiral compounds in the solid phase and for the complementary use of NMR and VCD techniques in solution: the camphor case. Analyst, The, 2018, 143, 1406-1416.	3.5	19
13	Structure Determination, Conformational Flexibility, Internal Dynamics, and Chiral Analysis of Pulegone and Its Complex with Water. Chemistry - A European Journal, 2018, 24, 721-729.	3.3	13
14	Conformational aspects of polymorphs and phases of 2-propyl-1H-benzimidazole. IUCrJ, 2018, 5, 706-715.	2.2	7
15	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. ChemPhysChem, 2017, 18, 268-268.	2.1	6
16	Supramolecular organization of perfluorinated 1H-indazoles in the solid state using X-ray crystallography, SSNMR and sensitive (VCD) and non sensitive (MIR, FIR and Raman) to chirality vibrational spectroscopies. Physical Chemistry Chemical Physics, 2017, 19, 1632-1643.	2.8	18
17	The Curious Case of 2-Propyl-1H-benzimidazole in the Solid State: An Experimental and Theoretical Study. Journal of Physical Chemistry A, 2017, 121, 5665-5674.	2.5	14
18	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. ChemPhysChem, 2017, 18, 274-280.	2.1	15

#	Article	IF	Citations
19	Understanding the Aldoâ€Enediolate Tautomerism of Glycolaldehyde in Basic Aqueous Solutions. ChemPhysChem, 2015, 16, 2226-2236.	2.1	6
20	Structural behavior of neutral, protonated, and deprotonated l-valine in aqueous solutions: a combined study using chirality sensitive (VCD) and non sensitive (IR and Raman) vibrational spectroscopies and quantum chemical calculations. Tetrahedron: Asymmetry, 2015, 26, 1314-1327.	1.8	4
21	A Spectroscopic Study of Colchicine in the Solid State and in Solution by Multinuclear Magnetic Resonance and Vibrational Circular Dichroism. Helvetica Chimica Acta, 2014, 97, 471-490.	1.6	11
22	Carbohydrates in the gas phase: conformational preference ofd-ribose and 2-deoxy-d-ribose. New Journal of Chemistry, 2014, 38, 529-538.	2.8	23
23	Deducing the molecular properties of zwitterionic, protonated, deprotonated, and double-deprotonated forms of L-cysteine from vibrational spectroscopy (IR, Raman, VCD) and quantum chemical calculations. Journal of Molecular Modeling, 2014, 20, 2229.	1.8	6
24	Chiral self-assembly of enantiomerically pure (4S,7R)-campho[2,3-c]pyrazole in the solid state: a vibrational circular dichroism (VCD) and computational study. Tetrahedron: Asymmetry, 2014, 25, 507-515.	1.8	13
25	Chiral Recognition of Amino Acid Enantiomers by a Crown Ether: Chiroptical IR-VCD Response and Computational Study. Journal of Physical Chemistry B, 2013, 117, 9362-9370.	2.6	31
26	Conformational Preference and Chiroptical Response of Carbohydrates d-Ribose and 2-Deoxy-d-ribose in Aqueous and Solid Phases. Journal of Physical Chemistry B, 2013, 117, 14599-14614.	2.6	17
27	Conformational landscape of l-threonine in neutral, acid and basic solutions from vibrational circular dichroism spectroscopy and quantum chemical calculations. Tetrahedron: Asymmetry, 2013, 24, 1537-1547.	1.8	17
28	l-Serine in aqueous solutions at different pH: Conformational preferences and vibrational spectra of cationic, anionic and zwitterionic species. Journal of Molecular Structure, 2013, 1046, 136-146.	3.6	23
29	Selfâ€Assembly Structures of 1 H â€Indazoles in the Solution and Solid Phases: A Vibrational (IR, FIR,) Tj ETQq1 1 0.784314 rgBT /Ove	2.1	14
30	Conformational preference of short aromatic amino acids from the FT-IR, FT-Raman and Far-IR spectroscopies, and quantum chemical calculations: l-phenylalanine and l-tyrosine. Tetrahedron: Asymmetry, 2012, 23, 1084-1092.	1.8	23