

MarÃ-a Mar Quesada-Moreno

List of Publications by Year in descending order

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30
papers

386
citations

687363

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docs citations

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486
citing authors

#	ARTICLE	IF	CITATIONS
1	Large easy-axis magnetic anisotropy in a series of trigonal prismatic mononuclear cobalt(II) 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. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2810-2831.	6.0	32
2	Chiral Recognition of Amino Acid Enantiomers by a Crown Ether: Chiroptical IR-VCD Response and Computational Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9362-9370.	2.6	31
3	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. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1084-1092.	1.8	23
4	L-Serine in aqueous solutions at different pH: Conformational preferences and vibrational spectra of cationic, anionic and zwitterionic species. <i>Journal of Molecular Structure</i> , 2013, 1046, 136-146.	3.6	23
5	Carbohydrates in the gas phase: conformational preference of d-ribose and 2-deoxy-d-ribose. <i>New Journal of Chemistry</i> , 2014, 38, 529-538.	2.8	23
6	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. <i>Analyst</i> , 2018, 143, 1406-1416.	3.5	19
7	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. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1632-1643.	2.8	18
8	Unlocking the Water Trimer Loop: Isotopic Study of Benzophenone- $(H_2O)_3$ Clusters with Rotational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5323-5330.	13.8	18
9	Conformational Preference and Chiroptical Response of Carbohydrates d-Ribose and 2-Deoxy-d-ribose in Aqueous and Solid Phases. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14599-14614.	2.6	17
10	Conformational landscape of L-threonine in neutral, acid and basic solutions from vibrational circular dichroism spectroscopy and quantum chemical calculations. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1537-1547.	1.8	17
11	London Dispersion and Hydrogen Bonding Interactions in Bulky Molecules: The Case of Diadamantyl Ether Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 10817-10825.	3.3	17
12	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 274-280.	2.1	15
13	Self-Assembly Structures of 1H-Indazoles in the Solution and Solid Phases: A Vibrational (IR, FIR) Tj ETQq1 1 0,784314 rgBT /Ove 2.1 14	2.1	14
14	The Curious Case of 2-Propyl-1H-benzimidazole in the Solid State: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5665-5674.	2.5	14
15	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. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 507-515.	1.8	13
16	Structure Determination, Conformational Flexibility, Internal Dynamics, and Chiral Analysis of Pulegone and Its Complex with Water. <i>Chemistry - A European Journal</i> , 2018, 24, 721-729.	3.3	13
17	A Spectroscopic Study of Colchicine in the Solid State and in Solution by Multinuclear Magnetic Resonance and Vibrational Circular Dichroism. <i>Helvetica Chimica Acta</i> , 2014, 97, 471-490.	1.6	11
18	Unlocking the Water Trimer Loop: Isotopic Study of Benzophenone- $(H_2O)_3$ Clusters with Rotational Spectroscopy. <i>Angewandte Chemie</i> , 2021, 133, 5383-5390.	2.0	10

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19	Do Docking Sites Persist Upon Fluorination? The Diadamantyl Etherâ€Aromatics Challenge for Rotational Spectroscopy and Theory. <i>Chemistry - A European Journal</i> , 2021, 27, 6198-6203.	3.3	10
20	Conformational aspects of polymorphs and phases of 2-propyl-1 <i>H</i> -benzimidazole. <i>IUCr</i> , 2018, 5, 706-715.	2.2	7
21	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. <i>Journal of Molecular Modeling</i> , 2014, 20, 2229.	1.8	6
22	Understanding the Aldoâ€Enediolate Tautomerism of Glycolaldehyde in Basic Aqueous Solutions. <i>ChemPhysChem</i> , 2015, 16, 2226-2236.	2.1	6
23	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 268-268.	2.1	6
24	Analysis of thyme essential oils using gas-phase broadband rotational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26569-26579.	2.8	6
25	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. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1314-1327.	1.8	4
26	The synergy of different solid-state techniques to elucidate the supramolecular assembly of two 1 <i>H</i> -benzotriazole polymorphs. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19879-19889.	2.8	4
27	Rotational analysis of naphthol-aromatic ring complexes stabilized by electrostatic and dispersion interactions. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1598-1609.	2.8	3
28	A Scent of Peppermintâ€A Microwave Spectroscopy Analysis on the Composition of Peppermint Oil. <i>Symmetry</i> , 2022, 14, 1262.	2.2	3
29	Unexpected discovery of estrone in the rotational spectrum of estradiol: a systematic investigation of a CP-FTMW spectrum. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5539-5545.	2.8	2
30	Sniffing out camphor: the fine balance between hydrogen bonding and London dispersion in the chirality recognition with \pm -fenchol. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	1