Francisco Partal UreÃ±a

List of Publications by Year
in descending order

39 papers	786 citations	516710 16 h-index	526287 27 g-index
39 all docs	39 docs citations	39 times ranked	949 citing authors

#	Article	IF	Citations
1	A new insight into the vibrational analysis of pyridine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 2815-2839.	3.9	121
2	Photoinduced Chiral Nematic Organization in an Achiral Glassy Nematic Azopolymer. Advanced Functional Materials, 2007, 17, 3486-3492.	14.9	82
3	Conformational study of (R)-(+)-limonene in the liquid phase using vibrational spectroscopy (IR,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	47
4	Conformational Flexibility in Terpenes: Vibrational Circular Dichroism (VCD), Infrared and Raman Study of S-(â˜)-Perillaldehyde. Journal of Physical Chemistry A, 2008, 112, 7887-7893.	2.5	38
5	The chiral structure of 1H-indazoles in the solid state: a crystallographic, vibrational circular dichroism and computational study. New Journal of Chemistry, 2012, 36, 749.	2.8	32
6	Conformational landscape in chiral terpenes from vibrational spectroscopy and quantum chemical calculations: S-(+)-carvone. Vibrational Spectroscopy, 2009, 51, 318-325.	2.2	31
7	Vibrational spectra of trimethylsilanol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 1169-1178.	3.9	26
8	IRâ€“Ramanâ€“VCD study of R-(+)-Pulegone: Influence of the solvent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 767-776.	3.9	24
9	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
10	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
11	Astrophysical Molecules AlD and CaH: Transition Probabilities and Dissociation Energy. Astrophysics and Space Science, 2000, 272, 345-352.	1.4	21
12	Effect of the Silyl Substitution on Structure and Vibrational Spectra of Hydrogen-Bonded Networks in Dimers, Cyclic Trimers, and Tetramers. Journal of Physical Chemistry A, 2002, 106, 11644-11652.	2.5	21
13	Terpenes in the gas phase: The structural conformation of S-(â€“)-perillaldehyde investigated by microwave spectroscopy and quantum chemical calculations. Chemical Physics Letters, 2009, 473, 17-20.	2.6	21
14	Conformational preference of a chiral terpene: vibrational circular dichroism (VCD), infrared and Raman study of S-(â˜)-limonene oxide. Physical Chemistry Chemical Physics, 2009, 11, 2459.	2.8	21
15	Vibrational spectra and structure of methoxysilanes and products of their hydrolysis. Vibrational Spectroscopy, 2006, 40, 1-9.	2.2	19
16	Study of the Photoinduced Supramolecular Chirality in Columnar Liquid Crystals by Infrared and VCD Spectroscopies. Journal of Physical Chemistry B, 2012, 116, 5090-5096.	2.6	18
17	Intramolecular hydrogen bonding in silanediols. Computational and Theoretical Chemistry, 2004, 678, 249-256.	1.5	16
18	Hydrogen bonding and structure of silanediol dimers and tetramers. Chemical Physics Letters, 2004, 384, 326-331.	2.6	16

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19	Terpenes in the gas phase: The Far-IR spectrum of perillaldehyde. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1261-1265.	2.3	14
20	Vibrational analysis of the inelastic neutron scattering spectrum of pyridine. Chemical Physics, 2000, 261, 239-247.	1.9	13
21	Condensation reactions in silanolâ€“water clusters. Chemical Physics Letters, 2003, 368, 616-624.	2.6	13
22	Vibrational spectrum of methoxytrimethylsilane. Journal of Molecular Structure, 2005, 744-747, 331-338.	3.6	13
23	Vibrational spectrum of chlorotrimethylsilane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 293-301.	3.9	12
24	Chiral terpenes in different phases: R-(â^)-camphorquinone studied by IRâ€“Ramanâ€“VCD spectroscopies and theoretical calculations. Structural Chemistry, 2011, 22, 67-76.	2.0	12
25	The vibrational spectra of (CH3)3SiX (S=H, F, Br) molecules, revisited. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 1058-1069.	3.9	11
26	Structure and vibrational spectra of vinyl ether conformers. The comparison of B3LYP and MP2 predictions. Chemical Physics, 2007, 333, 148-156.	1.9	11
27	Conformational landscape of a chiral crown ether: a vibrational circular dichroism spectroscopy and computational study. Tetrahedron: Asymmetry, 2012, 23, 294-299.	1.8	11
28	Hydrogen bonding network in a chiral alcohol: (1R,2S,5R)-(â^)-menthol. Conformational preference studied by IRâ€“Ramanâ€“VCD spectroscopies and quantum chemical calculations. Structural Chemistry, 2013, 24, 671-680.	2.0	11
29	Conformational landscape and hydrogen bonding in (S)-(â^)-perillyc acid: experimental VCD, IR, Raman, and theoretical DFT studies. Tetrahedron: Asymmetry, 2012, 23, 780-788.	1.8	10
30	An experimental and theoretical study of the molecular structure and vibrational spectra of iodotrimethylsilane (SiIMe3). Physical Chemistry Chemical Physics, 2006, 8, 477-485.	2.8	9
31	Structure and vibrational spectra of dimethylsilanediol and methylsilanetriol dimers. Chemical Physics Letters, 2005, 412, 359-364.	2.6	6
32	Anharmonic spectra of methanol and silanol: A comparative study. Journal of Molecular Spectroscopy, 2005, 233, 203-209.	1.2	6
33	Triethylsilanol:â€‰ Molecular Conformations and Role of the Hydrogen-Bonding Oligomerization in Its Vibrational Spectra. Journal of Physical Chemistry A, 2008, 112, 1545-1551.	2.5	6
34	Rotational strength sign and normal modes description: A theoretical and experimental comparative study in bicyclic terpenes. Chirality, 2010, 22, E123-9.	2.6	6
35	Characterization of H-bonding networks in chiral alcohols using Infrared, Raman and Vibrational Circular Dichroism spectroscopies, and density functional calculations: (S)-(â^)-perillyl alcohol. Tetrahedron: Asymmetry, 2012, 23, 515-525.	1.8	6
36	Conformations, Structures, and Vibrational Spectra of Triethylchloro- and Triethylbromosilane Using Theoretical Methods, Gas Phase Electron Diffraction, and IR and Raman Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 2870-2878.	2.5	5

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37	Electronic structure of kaempferolâ€“Cu2+ coordination compounds: a DFT, QTAIM and NBO study in the gas phase. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	5
38	Raman and IR spectra of the unstable ionic species potassium trimethylsilanolate: The role of the counterion in its theoretical interpretation. Journal of Raman Spectroscopy, 2008, 39, 460-467.	2.5	4
39	Validation of the Existence of Tetrameric Species of Potassium Trimethylsilanolate in the Gas Phase with a Theoretical Cluster Model:Â Role of the Counterion as Charge Localizer in the Structure. Journal of Physical Chemistry A, 2007, 111, 2629-2633.	2.5	2