

# Susana Jarmelo

## List of Publications by Year in descending order

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24  
papers

483  
citations

687363

13  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared and Raman spectroscopic characterization of the hydrogen-bonding network in L-serine crystal. <i>Vibrational Spectroscopy</i> , 2007, 43, 395-404.	2.2	61
2	IR-Induced Photoisomerization of Glycolic Acid Isolated in Low-Temperature Inert Matrices. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6982-6989.	2.5	45
3	Preferred Conformers and Photochemical ( $\lambda > 200$ nm) Reactivity of Serine and 3,3-Dideutero-Serine In the Neutral Form. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5689-5707.	2.5	43
4	C-H Bond-Stretching Frequency in Alcohols as a Probe of Hydrogen-Bonding Strength: A Combined Vibrational Spectroscopic and Theoretical Study of n-[1-D]Propanol. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2069-2077.	2.5	41
5	First experimental evidence of the third conformer of glycolic acid: combined matrix isolation, FTIR and theoretical study. <i>Chemical Physics Letters</i> , 2004, 389, 68-74.	2.6	35
6	Experimental (IR/Raman and $^1\text{H}/^{13}\text{C}$ NMR) and Theoretical (DFT) Studies of the Preferential Conformations Adopted by L-Lactic Acid Oligomers and Poly(L-lactic acid) Homopolymer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 9-21.	2.6	32
7	Low-temperature infrared spectra and hydrogen bonding in polycrystalline dl-serine and deuterated derivatives. <i>Vibrational Spectroscopy</i> , 2006, 41, 73-82.	2.2	31
8	Poly(lactic acid) Synthesis in Solution Polymerization. <i>Macromolecular Symposia</i> , 2010, 296, 63-71.	0.7	24
9	The Raman spectra of serine and 3,3-dideutero-serine in aqueous solution. <i>Vibrational Spectroscopy</i> , 2007, 43, 104-110.	2.2	20
10	Structural and vibrational characterization of methyl glycolate in the low temperature crystalline and glassy states. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1155-1163.	2.8	19
11	Entropy effects in conformational distribution and conformationally dependent UV-induced photolysis of serine monomer isolated in solid argon. <i>Journal of Molecular Structure</i> , 2006, 786, 175-181.	3.6	18
12	Molecular structure and vibrational spectra of methyl glycolate and methyl L-hydroxy isobutyrate. <i>Journal of Molecular Structure</i> , 1999, 509, 183-199.	3.6	15
13	Trans- and cis-stilbene isolated in cryogenic argon and xenon matrices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 81-94.	3.9	14
14	Matrix-Isolated Diglycolic Anhydride: Vibrational Spectra and Photochemical Reactivity. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11178-11189.	2.5	13
15	The low temperature crystalline and glassy states of methyl L-hydroxy-isobutyrate. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 387-392.	2.8	11
16	Crystal and Molecular Structure of DL-Serine Hydrochloride Studied by X-Ray Diffraction, Low-Temperature Fourier Transform Infrared Spectroscopy and DFT(B3LYP) Calculations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8032-8041.	2.6	11
17	Crystal and Molecular Structure of L-Hydroxyisobutyric acid in the crystalline and glassy phases and isolated in inert gas matrices. Electronic supplementary information (ESI) available: Predicted geometries for high energy conformers of HIBA (Table S1), definition of symmetry coordinates used in the vibrational calculations (Table S2) and calculated spectra for the experimentally relevant conformers and potential energy distributions (Tables S3-S5). See <a href="http://www.rsc.org/suppdata/cp/b1/b110949a">http://www.rsc.org/suppdata/cp/b1/b110949a</a> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1555-1563.	2.8	10
18	Role of Guanidyl Moiety in the Insertion of Arginine and N-Benzoyl-L-argininate Ethyl Ester Chloride in Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5946-5952.	2.6	10

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19	Conformational preferences of 3,4-dihydroxyphenylacetic acid (DOPAC). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 54-64.	3.9	10
20	Thermoanalytical study of N <sup>1</sup> -benzoyl-L-argininate ethyl ester chloride. <i>Thermochimica Acta</i> , 2012, 527, 83-90.	2.7	6
21	<sup>1</sup> H NMR Spectroscopic and Quantum Chemical Studies on a Poly(ester amide) Model Compound: N <sup>1</sup> -Benzoyl-Arginine Ethyl Ester Chloride. Structural Preferences for the Isolated Molecule and in Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6156-6164.	2.6	5
22	Study of N <sup>1</sup> -benzoyl-L-argininate ethyl ester chloride, a model compound for poly(ester amide) precursors: X-ray diffraction, infrared and Raman spectroscopies, and quantum chemistry calculations. <i>Journal of Chemical Physics</i> , 2011, 134, 124505.	3.0	4
23	Unsupervised characterization of research institutions with task-force estimation. <i>Journal of Informetrics</i> , 2015, 9, 59-68.	2.9	4
24	Seeing is believing: A graphical reference framework for multi-criteria evaluation. <i>Evaluation</i> , 2017, 23, 479-494.	1.8	1