

Maria Eugenia Sanz

List of Publications by Year in descending order

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67
papers

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citations

236925

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73
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docs citations

73
times ranked

1247
citing authors

#	ARTICLE	IF	CITATIONS
1	The Shapes of Sulfonamides: A Rotational Spectroscopy Study. <i>Molecules</i> , 2022, 27, 2820.	3.8	5
2	New Insights into Secondary Organic Aerosol Formation: Water Binding to Limonene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1081-1086.	4.6	16
3	Seven Conformations of the Macrocyclic Cyclododecanone Unveiled by Microwave Spectroscopy. <i>Molecules</i> , 2021, 26, 5162.	3.8	6
4	Disentangling the complex network of non-covalent interactions in fenchone hydrates via rotational spectroscopy and quantum chemistry. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20686-20694.	2.8	12
5	Geminal Diol Formation from the Interaction of a Ketone with Water in the Gas Phase: Structure and Reactivity of Cyclooctanone-(H ₂ O) _{1,2} Clusters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12419-12425.	4.6	11
6	Structural Changes Induced by Quinones: High-Resolution Microwave Study of 1,4-Naphthoquinone. <i>ChemPhysChem</i> , 2020, 21, 2579-2584.	2.1	9
7	Binding Site Switch by Dispersion Interactions: Rotational Signatures of Fenchone-Phenol and Fenchone-Benzene Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 11327-11333.	3.3	7
8	Medium-sized rings: conformational preferences in cyclooctanone driven by transannular repulsive interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4331-4338.	2.8	16
9	The role of secondary interactions on the preferred conformers of the fenchone-ethanol complex. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2938-2945.	2.8	8
10	The axial/equatorial conformational landscape and intramolecular dispersion: new insights from the rotational spectra of monoterpenoids. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26111-26116.	2.8	14
11	The Multiple Hydrogen-Bonding Networks of Polyol Ribitol. <i>Chemistry - A European Journal</i> , 2018, 24, 13408-13412.	3.3	5
12	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 268-268.	2.1	6
13	Mapping the conformational free energy of aspartic acid in the gas phase and in aqueous solution. <i>Journal of Chemical Physics</i> , 2017, 146, 145102.	3.0	10
14	Ethanol dimer: Observation of three new conformers by broadband rotational spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 2017, 335, 93-101.	1.2	36
15	Conformational Flexibility of Limonene Oxide Studied By Microwave Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 274-280.	2.1	15
16	Structure of fenchone by broadband rotational spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 074311.	3.0	43
17	Intramolecular interactions in the polar headgroup of sphingosine: serinol. <i>Chemical Communications</i> , 2016, 52, 3615-3618.	4.1	11
18	Rotational spectrum of tryptophan. <i>Journal of Chemical Physics</i> , 2014, 140, 204308.	3.0	30

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19	Alanine Water Complexes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2584-2590.	2.5	19
20	ROTATIONAL SPECTRUM OF TRYPTOPHAN. , 2014, , .		0
21	THE CONFORMATIONAL LANDSCAPE OF SERINOL. , 2014, , .		0
22	Observation of dihydrated glycine. <i>Chemical Communications</i> , 2013, 49, 3443.	4.1	26
23	Preferred Conformers of Proteinogenic Glutamic Acid. <i>Journal of the American Chemical Society</i> , 2012, 134, 2305-2312.	13.7	78
24	Photodetachment Spectra of Deprotonated Fluorescent Protein Chromophore Anions. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7943-7949.	2.5	45
25	The rotational spectra, potential function, Born-Oppenheimer breakdown, and hyperfine structure of GeSe and GeTe. <i>Journal of Chemical Physics</i> , 2011, 135, 084303.	3.0	11
26	Development of a new photoelectron spectroscopy instrument combining an electrospray ion source and photoelectron imaging. <i>Review of Scientific Instruments</i> , 2010, 81, 123101.	1.3	26
27	Tautomerism and Microsolvation in 2-Hydroxypyridine/2-Pyridone. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11393-11398.	2.5	43
28	Six conformers of neutral aspartic acid identified in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3573.	2.8	46
29	Conformational Behavior of Norephedrine, Ephedrine, and Pseudoephedrine. <i>Journal of the American Chemical Society</i> , 2009, 131, 4320-4326.	13.7	36
30	Seven conformers of l-threonine in the gas phase: a LA-MB-FTMW study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 617-627.	2.8	119
31	Conformational Study of Taurine in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14681-14683.	2.5	7
32	Rotational Probes of Six Conformers of Neutral Cysteine. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6216-6220.	13.8	73
33	Revealing the multiple structures of serine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20183-20188.	7.1	113
34	The Structure of Uracil: A Laser Ablation Rotational Study. <i>Journal of Physical Chemistry A</i> , 2007, 111, 3443-3445.	2.5	73
35	Probing thymine with laser ablation molecular beam Fourier transform microwave spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 126, 191103.	3.0	69
36	The shape of neutral sarcosine in gas phase. <i>Chemical Physics Letters</i> , 2007, 435, 336-341.	2.6	30

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37	The Shape of \hat{I}^2 -Alanine. <i>Journal of the American Chemical Society</i> , 2006, 128, 3812-3817.	13.7	84
38	The Conformers of Phenylglycine. <i>Chemistry - A European Journal</i> , 2006, 12, 2564-2570.	3.3	36
39	The Glycine-Water Complex. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3471-3474.	13.8	111
40	Cover Picture: Multidimensional Large-Amplitude Motion: Revealing Concurrent Tunneling Pathways in Molecules with Several Internal Rotors / The Glycine-Water Complex (<i>Angew. Chem. Int. Ed.</i>)	13.8	111
41	Conformations of \hat{I}^{\pm} -Aminobutyric Acid in the Gas Phase. <i>ChemPhysChem</i> , 2006, 7, 1481-1487.	2.1	25
42	Detection of SiCCO in the Laboratory. <i>Astrophysical Journal</i> , 2005, 621, L157-L159.	4.5	10
43	Vibrational excitation and relaxation of five polyatomic molecules in an electrical discharge. <i>Journal of Chemical Physics</i> , 2005, 122, 194319.	3.0	36
44	The rotational spectrum of fluorotetraacetylene produced by electric discharge. <i>Journal of Molecular Spectroscopy</i> , 2004, 227, 202-205.	1.2	8
45	Free internal rotation in CH_3CCCF_3 . <i>Chemical Physics Letters</i> , 2004, 397, 379-381.	2.6	12
46	Molecular beam pulsed-discharge Fourier transform microwave spectra of $\text{CH}_3\text{C}^+\text{C}^-\text{F}$, $\text{CH}_3\text{C}^+(\text{C}^+\text{C})_2\text{F}$, and $\text{CH}_3\text{C}^+(\text{C}^+\text{C})_3\text{F}$. <i>Chemical Physics Letters</i> , 2003, 375, 355-363.	2.6	11
47	Rotational transitions of SO, SiO, and SiS excited by a discharge in a supersonic molecular beam: Vibrational temperatures, Dunham coefficients, Born-Oppenheimer breakdown, and hyperfine structure. <i>Journal of Chemical Physics</i> , 2003, 119, 11715-11727.	3.0	52
48	The microwave spectrum, ab initio analysis, and structure of the fluorobenzene-hydrogen chloride complex. <i>Journal of Chemical Physics</i> , 2003, 118, 9278-9290.	3.0	16
49	Ab initio theory and rotational spectra of linear carbon chains SiC_nS . <i>Journal of Chemical Physics</i> , 2002, 116, 10719-10729.	3.0	25
50	Axial and Equatorial Hydrogen-Bond Conformers and Ring-Puckering Motion in the Trimethylene Sulfide...Hydrogen Fluoride Complex. <i>Chemistry - A European Journal</i> , 2002, 8, 4265-4271.	3.3	22
51	Laboratory Detection of $\text{HS}[\text{CLC}]_i/[\text{CLC}]_i\text{CN}$ and $\text{HS}[\text{CLC}]_i/[\text{CLC}]_i\text{NC}$. <i>Astrophysical Journal</i> , 2002, 577, L71-L74.	4.5	29
52	HF inversion in the 2,5-dihydrofuran-HF complex. <i>Journal of Chemical Physics</i> , 2001, 114, 9421-9429.	3.0	11
53	Complete characterization of the $(\text{D}_2\text{O})_2$ ground state: High Ka rotation-tunneling levels. <i>Faraday Discussions</i> , 2001, 118, 79-93.	3.2	9
54	The Cyclic $\text{C}[\text{TINF}]_5/[\text{TINF}]_5\text{H}$ Radical. <i>Astrophysical Journal</i> , 2001, 547, L65-L68.	4.5	19

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55	Rotational spectrum, ring-puckering vibration and ab initio calculations on tetrahydrothiophene. <i>Chemical Physics</i> , 2001, 263, 19-31.	1.9	10
56	Hydrogen Bond in Molecules with Large-Amplitude Motions: A Rotational Study of Trimethylene Sulfide...HCl. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 935-938.	13.8	36
57	Oxetane...hydrogen fluoride complex: a rotational study. <i>Chemical Physics Letters</i> , 2001, 342, 31-38.	2.6	24
58	Hydrogen Bond in Molecules with Large-Amplitude Motions: A Rotational Study of Trimethylene Sulfide...HCl. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 935-938.	13.8	0
59	Axial and Equatorial Hydrogen Bonds in Pentamethylene Sulfide...Hydrogen Chloride Complex. <i>Chemistry - A European Journal</i> , 1999, 5, 3293-3298.	3.3	34
60	Stability and structure of van der Waals complexes between argon and sulfur containing compounds: tetrahydrothiophene...argon. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 239-242.	2.8	4
61	Conformation and Stability of Adducts of Sulfurated Cyclic Compounds with Water: Rotational Spectrum of Tetrahydrothiophene...Water. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5285-5290.	2.5	16
62	Axial and Equatorial Hydrogen Bonds in Pentamethylene Sulfide...Hydrogen Chloride Complex. <i>Chemistry - A European Journal</i> , 1999, 5, 3293-3298.	3.3	0
63	Rotational spectrum and structure of the tetrahydrothiophene...hydrogen fluoride complex. <i>Chemical Physics Letters</i> , 1998, 288, 760-766.	2.6	18
64	Aromatic...Rare Gas Complexes: The Microwave Spectrum and Structure of the Fluorobenzene...Neon Dimer. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10630-10635.	2.5	18
65	Observation and Properties of the Hydrogen-Bonded Heterodimer Tetrahydrothiophene...HCl. <i>Journal of Physical Chemistry A</i> , 1998, 102, 3681-3689.	2.5	22
66	The Hydrogen Bond between Water and Aromatic Bases of Biological Interest: An Experimental and Theoretical Study of the 1:1 Complex of Pyrimidine with Water. <i>Journal of the American Chemical Society</i> , 1998, 120, 11504-11509.	13.7	92
67	Internal Rotation and the Chlorine Nuclear Quadrupole Coupling Tensor of 1-Chloropropane. <i>Journal of Molecular Spectroscopy</i> , 1997, 184, 60-77.	1.2	6