

Susanna Piccirillo

List of Publications by Year in descending order

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48
papers

1,033
citations

394421

19
h-index

434195

31
g-index

48
all docs

48
docs citations

48
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-phase enantioselectivity. International Journal of Mass Spectrometry, 2000, 198, 137-163.	1.5	115
2	Cysteine radical cation: A distonic structure probed by gas phase IR spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 9794.	2.8	55
3	Chirality and intermolecular forces: studies using R2PI experiments in supersonic beams. Physical Chemistry Chemical Physics, 2000, 2, 4139-4142.	2.8	49
4	Gas-Phase Enantiodifferentiation of Chiral Molecules: Chiral Recognition of 1-Phenyl-1-propanol/2-Butanol Clusters by Resonance Enhanced Multiphoton Ionization Spectroscopy. Angewandte Chemie International Edition in English, 1997, 36, 1729-1731.	4.4	46
5	Energetics of Molecular Complexes in a Supersonic Beam: A Novel Spectroscopic Tool for Enantiomeric Discrimination. Angewandte Chemie - International Edition, 1999, 38, 815-817.	13.8	44
6	Short-Range Interactions within Molecular Complexes Formed in Supersonic Beams: Structural Effects and Chiral Discrimination. Chemistry - A European Journal, 2000, 6, 1042-1049.	3.3	44
7	Cation- π Interactions in Protonated Phenylalkylamines. Journal of Physical Chemistry A, 2014, 118, 7130-7138.	2.5	42
8	Chiral recognition by mass-resolved laser spectroscopy. Mass Spectrometry Reviews, 2005, 24, 588-610.	5.4	41
9	Protonated pyrimidine nucleosides probed by IRMPD spectroscopy. International Journal of Mass Spectrometry, 2013, 354-355, 54-61.	1.5	39
10	Conformational Sensitivity in Photoelectron Circular Dichroism of 3-Methylcyclopentanone. ChemPhysChem, 2013, 14, 1723-1732.	2.1	35
11	Energetics of monohydrated chiral R(+)-1-phenyl-1-propanol: supersonic beam experiments and density functional calculations. Chemical Physics Letters, 2000, 316, 94-100.	2.6	34
12	Hydrolysis of cis- and transplatin: structure and reactivity of the aqua complexes in a solvent free environment. RSC Advances, 2017, 7, 15877-15884.	3.6	34
13	Angle-Resolved Photoelectron Spectroscopy of Randomly Oriented 3-Hydroxytetrahydrofuran Enantiomers. ChemPhysChem, 2005, 6, 1164-1168.	2.1	33
14	Spectroscopic enantiodifferentiation of chiral molecules in the gas phase. Chirality, 1999, 11, 376-380.	2.6	29
15	Chirality Effects on the IRMPD Spectra of Basket Resorcinarene/Nucleoside Complexes. Chemistry - A European Journal, 2012, 18, 8320-8328.	3.3	29
16	R2PI detection and spectroscopy of van der Waals complexes of 4-fluorostyrene with rare gases. Chemical Physics Letters, 1995, 236, 580-586.	2.6	27
17	Cisplatin and transplatin interaction with methionine: bonding motifs assayed by vibrational spectroscopy in the isolated ionic complexes. Physical Chemistry Chemical Physics, 2017, 19, 26697-26707.	2.8	26
18	Spectroscopy of 4-fluorostyrene clusters. Journal of Molecular Structure, 1993, 293, 197-200.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Isomeric structures, van der Waals frequencies and spectral shifts of cold 4-fluorostyrene-(argon) _n clusters (n = 1 to 4). <i>Chemical Physics</i> , 1994, 187, 97-106.	1.9	20
20	Homolytic C ¹ -C ² Bond Cleavage in a Chiral Alkylarene Radical Cation: Effects of Asymmetric Microsolvation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1868-1871.	13.8	18
21	Molecular and supramolecular chirality: R2PI spectroscopy as a tool for the gas-phase recognition of chiral systems of biological interest. <i>Chirality</i> , 2009, 21, 119-144.	2.6	17
22	Solvation of charge in aromatic/noble gas Van der Waals clusters. <i>Chemical Physics Letters</i> , 1997, 273, 389-396.	2.6	16
23	Chiral clusters in a supersonic beam: R2PI-TOF spectroscopy of diastereomeric carboxylic esters/(R)-(+)-1-phenyl-1-propanol complexes. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3984.	2.8	16
24	Gas-phase complexes: noncovalent interactions and stereospecificity. <i>International Journal of Mass Spectrometry</i> , 2003, 223-224, 159-168.	1.5	15
25	Van der Waals interactions in a monosolvated chiral fluorinated molecule: R2PI vibroelectronic spectra of (R)-1-phenyl-2,2,2-trifluoroethanol clustered with water. <i>Chemical Physics Letters</i> , 2007, 435, 230-235.	2.6	14
26	Ultra-Fast-VUV Photoemission Study of UV Excited 2-Nitrophenol. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1295-1302.	2.5	14
27	Resonant two-photon ionization of van der Waals adducts of 4-fluorostyrene with monomethylamine and monoethylamine: intracluster chemical reactions. <i>Chemical Physics Letters</i> , 1995, 247, 577-583.	2.6	13
28	Chiral discrimination of 2,3-butanediols by laser spectroscopy. <i>Chemical Communications</i> , 2002, , 2438-2439.	4.1	13
29	Anion Recognition by Uranyl-Salophen Derivatives as Probed by Infrared Multiple Photon Dissociation Spectroscopy and Ab Initio Modeling. <i>Chemistry - A European Journal</i> , 2014, 20, 11783-11792.	3.3	13
30	R2PI Study of intermolecular hydrogen bond in solvent-free chiral complexes. <i>Chirality</i> , 2001, 13, 727-730.	2.6	12
31	Adenosine monophosphate recognition by zinc-salophen complexes: IRMPD spectroscopy and quantum modeling study. <i>Journal of Molecular Spectroscopy</i> , 2017, 335, 108-116.	1.2	12
32	Mass resolved laser spectroscopy of micro-solvated R-(+)-1-phenyl-1-propanol: A chiral molecule of biological interest. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2858.	2.8	10
33	Excitation, Ionization, and Fragmentation of Chiral Molecules in Asymmetric Microenvironments: A Mass-Resolved R2PI Spectroscopic Study. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1828-1835.	2.5	10
34	Probing the Competition among Different Coordination Motifs in Metal-Ciprofloxacin Complexes through IRMPD Spectroscopy and DFT Calculations. <i>Inorganic Chemistry</i> , 2013, 52, 103-112.	4.0	9
35	Modelling neurotransmitter functions: a laser spectroscopic study of (1S,2S)-N-methyl pseudoephedrine and its complexes with achiral and chiral molecules. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2012.	2.8	8
36	The effect of fluorine substitution on chiral recognition: interplay of CH ⁺ ⋯F ⁻ , OH ⁺ ⋯F ⁻ and CH ⁺ ⋯F interactions in gas-phase complexes of 1-aryl-1-ethanol with butan-2-ol. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19360.	2.8	8

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37	Monosolvation of <i>R</i> / <i>S</i> -1-Phenyl-2,2,2-trifluoroethanol with Amines: Configurational Effects on the Excitation, Ionization, and Fragmentation of Diastereomeric Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12559-12563.	2.5	7
38	Photo-ionization spectroscopy and mass spectrometry of some molecular and supramolecular asymmetric systems in the isolated state. <i>Chirality</i> , 2006, 18, 562-568.	2.6	6
39	Real time evolution of unprotected protonated galactosamine probed by IRMPD spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8737-8743.	2.8	6
40	Experimental and Theoretical Soft X-ray Study of Nicotine and Related Compounds. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4025-4035.	2.5	6
41	Dissymmetry effects on the laser spectroscopy of supersonically expanded rare gas/chiral arene heteroclusters. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1676.	2.8	5
42	Chiral recognition between 1-(4-fluorophenyl)ethanol and 2-butanol: higher binding energy of homochiral complexes in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 818-824.	2.8	5
43	Ultraviolet and infrared spectroscopy of neutral and ionic non-covalent diastereomeric complexes in the gas phase. <i>Rendiconti Lincei</i> , 2013, 24, 259-267.	2.2	5
44	Conformational Landscape of Supersonically Expanded 1-(Fluorophenyl)ethanols and Their Monohydrated Clusters. <i>ChemPhysChem</i> , 2009, 10, 1859-1867.	2.1	4
45	Enantioselective HF Loss Promoted by Resonant Two-Photon Ionization of Supersonically Expanded (<i>R</i>)-1-Phenyl-2,2,2-trifluoroethanol Clusters. <i>Journal of Physical Chemistry A</i> , 2009, 113, 15127-15135.	2.5	4
46	Chlorine Para-Substitution of 1-Phenylethanol: Resonant Photoionization Spectroscopy and Quantum Chemical Calculations of Hydrated and Diastereomeric Complexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5023-5031.	2.5	1
47	Experimental and Computational Investigation of Salophen-Zn Gas Phase Complexes with Cations: A Source of Possible Interference in Anionic Recognition. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7042-7050.	2.5	1
48	Excited state dynamics of Zn-salophen complexes. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 923-934.	2.9	1