

Jean Christophe Pouilly

List of Publications by Year in descending order

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52
papers

585
citations

623734

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677142

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all docs

53
docs citations

53
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple valence electron detachment following Auger decay of inner-shell vacancies in gas-phase DNA. <i>Chemical Science</i> , 2021, 12, 13177-13186.	7.4	4
2	Thermal desorption effects on fragment ion production from multi-photon ionized uridine and selected analogues. <i>RSC Advances</i> , 2021, 11, 20612-20621.	3.6	5
3	X-ray photoabsorption-induced processes within protonated rifamycin sodium salts in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	2
4	Chemical Processes Involving 18a€Crowna€C6a€Ether in Activated Noncovalent Complexes with Protonated Peptides. <i>ChemPhysChem</i> , 2021, 22, 1243-1250.	2.1	0
5	Photoinduced Processes within Noncovalent Complexes Involved in Molecular Recognition. <i>Chemistry - A European Journal</i> , 2020, 26, 2243-2250.	3.3	7
6	Influence of ionizing radiation on molecular recognition in the gas phase: VUV and X-ray photoabsorption of antibiotic-receptor non-covalent complexes. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 152061.	0.4	0
7	A new experimental setup to measure absolute cross section for electron emission from atoms, molecules or nanoparticles upon ion collisions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 152088.	0.4	0
8	Mass Spectral Signatures of Complex Post-Translational Modifications in Proteins: A Proof-of-Principle Based on X-ray Irradiated Vancomycin. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1738-1743.	2.8	6
9	Absolute cross section for electron emission from uracil upon ion collision using velocity map imaging technique. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 152087.	0.4	0
10	Hole Migration in Telomereâ€Based Oligonucleotide Anions and Gâ€Quadruplexes. <i>Chemistry - A European Journal</i> , 2019, 25, 16114-16119.	3.3	7
11	Anion and cation emission from water molecules after collisions with 6.6-keV O^{16+} ions. <i>Physical Review A</i> , 2019, 100, .	2.5	2
12	Fragmentation processes of ionized 5-fluorouracil in the gas phase and within clusters. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	4
13	Direct Radiation Effects on the Structure and Stability of Collagen and Other Proteins. <i>ChemBioChem</i> , 2019, 20, 2972-2980.	2.6	17
14	A tandem mass spectrometer for crossed-beam irradiation of mass-selected molecular systems by keV atomic ions. <i>Review of Scientific Instruments</i> , 2018, 89, 043104.	1.3	2
15	Irradiation of isolated collagen mimetic peptides by x rays and carbon ions at the Bragg-peak energy. <i>Physical Review A</i> , 2018, 98, .	2.5	6
16	Frontispiece: Isolated Collagen Mimetic Peptide Assemblies Have Stable Triple-Helix Structures. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
17	Isolated Collagen Mimetic Peptide Assemblies Have Stable Tripleâ€Helix Structures. <i>Chemistry - A European Journal</i> , 2018, 24, 13728-13733.	3.3	10
18	Stabilities of nanohydrated thymine radical cations: insights from multiphoton ionization experiments and abâ€initio calculations. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	8

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19	Single-photon absorption of isolated collagen mimetic peptides and triple-helix models in the VUV-X energy range. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18321-18329.	2.8	11
20	Radical-driven processes within a peptidic sequence of type I collagen upon single-photon ionisation in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22895-22904.	2.8	17
21	Threshold behavior in metastable dissociation of multi-photon ionized thymine and uracil. <i>Chemical Physics Letters</i> , 2017, 684, 233-238.	2.6	9
22	Comparison between anion and cation emission from CH ₄ molecules colliding with 10.5-keV C ⁺ ions: fragment-energy aspects. <i>Journal of Physics: Conference Series</i> , 2017, 875, 102013.	0.4	0
23	Dosimetry for radiobiology experiments at GANIL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 816, 70-77.	1.6	17
24	Anion emission from water molecules colliding with positive ions: Identification of binary and many-body processes. <i>Physical Review A</i> , 2015, 91, .	2.5	9
25	Two- and many-body effects in cation emission from H ₂ O molecules by O ⁺ impact at keV energies: Similarities between ionization of atoms and proton emission from molecules. <i>Journal of Physics: Conference Series</i> , 2015, 635, 032118.	0.4	0
26	Formation and fragmentation of protonated molecules after ionization of molecular clusters with multiply charged ions. <i>Journal of Physics: Conference Series</i> , 2015, 635, 072081.	0.4	0
27	Formation and Fragmentation of Protonated Molecules after Ionization of Amino Acid and Lactic Acid Clusters by Collision with Ions in the Gas Phase. <i>ChemPhysChem</i> , 2015, 16, 2389-2396.	2.1	14
28	Anion emission from H ₂ O molecules colliding with positive O ⁺ ions at keV energies: the role of dissociative excitation. <i>Journal of Physics: Conference Series</i> , 2015, 635, 032108.	0.4	0
29	Anion and cation emission via binary-encounters in OH ⁺ Ar collisions: The role of dissociative excitation and statistical aspects. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022066.	0.4	0
30	Proton irradiation of DNA nucleosides in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7172-7180.	2.8	22
31	Formation of anions and cations via a binary-encounter process in OH ⁺ Ar collisions: The role of dissociative excitation and statistical aspects. <i>Physical Review A</i> , 2014, 89, .	2.5	15
32	Multi-photon and electron impact ionisation studies of reactivity in adenine-water clusters. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 194-199.	1.5	10
33	Stability of multiply-charged biomolecular clusters formed upon interaction with low-energy highly charged ions. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 181-186.	1.5	6
34	A collision process responsible for widespread formation of H anions. <i>Journal of Physics: Conference Series</i> , 2014, 488, 102024.	0.4	3
35	Gas-Phase Structure of Amyloid- β (12-28) Peptide Investigated by Infrared Spectroscopy, Electron Capture Dissociation and Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1937-1949.	2.8	18
36	Nanosolvation by acetonitrile and 18-crown-6 ether induce strongly different effects on the electron-capture induced dissociation of aromatic tripeptide cations in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2013, 337, 1-11.	1.5	5

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37	Fragmentation dynamics of complex molecules and their clusters. , 2013, , .		0
38	Ion interaction with biomolecular systems and the effect of the environment. Journal of Physics: Conference Series, 2012, 373, 012005.	0.4	17
39	A Multicoincidence Study of Fragmentation Dynamics in Collision of ^{13}C -Aminobutyric Acid with Low-Energy Ions. Chemistry - A European Journal, 2012, 18, 9321-9332.	3.3	44
40	Evaluation of polarizable continuum model for the prediction of vibrational frequencies of biomimetic molecules in solution. Computational and Theoretical Chemistry, 2011, 966, 220-224.	2.5	7
41	Coupling infrared multiphoton dissociation spectroscopy, mass-spectrometry and ion mobility spectrometry for the determination of structures of angiotensin II cations. Vibrational Spectroscopy, 2011, 56, 105-109.	2.2	7
42	Combining ion mobility mass spectrometry and infrared multiphoton dissociation spectroscopy to probe the structure of gas-phase vancomycin $^{+}$ Ac2LKDADA non-covalent complex. International Journal of Mass Spectrometry, 2010, 297, 28-35.	1.5	22
43	Probing the specific interactions and structures of gas-phase vancomycin antibiotics with cell-wall precursor through IRMPD spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 3606.	2.8	16
44	Intrinsic Neutral and Anionic Structures of Glutathione. ChemPhysChem, 2009, 10, 3097-3100.	2.1	6
45	Influence of temperature and crown ether complex formation on the charge partitioning between z and c fragments formed after electron capture by small peptide dications. International Journal of Mass Spectrometry, 2009, 282, 21-27.	1.5	11
46	Evaluation of the ONIOM Method for Interpretation of Infrared Spectra of Gas-Phase Molecules of Biological Interest. Journal of Physical Chemistry A, 2009, 113, 8020-8026.	2.5	10
47	Evaluation of MP2, DFT, and DFT-D Methods for the Prediction of Infrared Spectra of Peptides. Journal of Physical Chemistry A, 2009, 113, 6301-6307.	2.5	45
48	Structure and dynamics of molecules of pharmaceutical interest in gas phase and in aqueous phase. Physica Scripta, 2008, 78, 058123.	2.5	6
49	Infrared Signature of DNA G-Quadruplexes in the Gas Phase. Journal of the American Chemical Society, 2008, 130, 1810-1811.	13.7	63
50	Photodissociation of dinucleotide ions in a storage ring. Physical Review A, 2007, 75, .	2.5	8
51	Electron capture induced dissociation of peptide ions: Identification of neutral fragments from secondary collisions with cesium vapor. International Journal of Mass Spectrometry, 2007, 263, 66-70.	1.5	37
52	On the survival of peptide cations after electron capture: Role of internal hydrogen bonding and microsolvation. Journal of the American Society for Mass Spectrometry, 2006, 17, 1675-1680.	2.8	50