Jean-Yves Salpin

List of Publications by Year
in descending order

89	2,380	186265 28	243625 44
papers	citations	h-index	g-index

92	92	92	1534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dereplication of Acetogenins from Annona muricata by Combining Tandem Mass Spectrometry after Lithium and Copper Postcolumn Cationization and Molecular Networks. Journal of the American Society for Mass Spectrometry, 2022, 33, 627-634.	2.8	4
2	Design and property investigation on a five-interaction-based fluorescent anion receptor clip. RSC Advances, 2021, 11, 9476-9487.	3.6	5
3	Discrimination of sulfated isomers of chondroitin sulfate disaccharides by HILIC-MS. Analytical and Bioanalytical Chemistry, 2021, 413, 7107-7117.	3.7	2
4	Helically shaped cation receptor: design, synthesis, characterisation and first application to ion transport. RSC Advances, 2020, 10, 31670-31679.	3.6	2
5	Intertwined Detection and Recognition Roles of Tetrazine in Synergistic Anionâ€Ï€ and Hâ€bond Based Anion Receptor. ChemPhysChem, 2020, 21, 1249-1257.	2.1	6
6	Insights into Cisplatin Binding to Uracil and Thiouracils from IRMPD Spectroscopy and Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 946-960.	2.8	19
7	Kinetic study of azobenzene E/Z isomerization using ion mobility-mass spectrometry and liquid chromatography-UV detection. Analyst, The, 2020, 145, 4012-4020.	3.5	4
8	Combined Experimental and Theoretical Survey of the Gas-Phase Reactions of Serineâ€“Ca²⁺ Adducts. Journal of Physical Chemistry A, 2019, 123, 6241-6250.	2.5	5
9	Alkylation of uracil and thymine in the gas phase through interaction with alkylmercury compounds. International Journal of Mass Spectrometry, 2019, 436, 153-165.	1.5	5
10	Topology and Electronic Density Driven Generation of Alkali Cation Complexes. Chemistry - A European Journal, 2018, 24, 8656-8663.	3.3	6
11	Interactions of Dimethyltin(IV) with Uracil As Studied in the Gas Phase. Journal of Physical Chemistry A, 2018, 122, 992-1003.	2.5	7
12	Structures of [M(Ura-H)(Ura)]+ and [M(Ura-H)(H2O)n]+ (M = Cu, Zn, Pb; n = 1â€“3) complexes in the gas phase by IRMPD spectroscopy in the fingerprint region and theoretical studies. International Journal of Mass Spectrometry, 2018, 429, 56-65.	1.5	12
13	Protonation of methyluracils in the gas phase: The particular case of 3-methyluracil. International Journal of Mass Spectrometry, 2018, 429, 47-55.	1.5	9
14	Conformational Dynamics in Ion Mobility Data. Analytical Chemistry, 2017, 89, 4230-4237.	6.5	46
15	Characterization of Protonated Model Disaccharides from Tandem Mass Spectrometry and Chemical Dynamics Simulations. ChemPhysChem, 2017, 18, 2812-2823.	2.1	22
16	Isomer separation and effect of the degree of polymerization on the gasâ€phase structure of chondroitin sulfate oligosaccharides analyzed by ion mobility and tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 2003-2010.	1.5	17
17	Undervalued N3 Coordination Revealed in the Cisplatin Complex with 2â€²-Deoxyadenosine-5â€²-monophosphate by a Combined IRMPD and Theoretical Study. Inorganic Chemistry, 2017, 56, 8793-8801.	4.0	17
18	Identification of acylation products in SHAPE chemistry. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2506-2509.	2.2	1

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19	Structures of [M(Uraâ€H)(H₂O)_n]⁺ (Mâ€‰=â€‰Mg, Ca, Sr, Ba; nâ€‰=â€‰1â€“3) complexes in the gas phase by IRMPD spectroscopy and theoretical studies. Journal of Mass Spectrometry, 2016, 51, 236-244.	1.6	22
20	On the gas phase fragmentation of protonated uracil: a statistical perspective. Physical Chemistry Chemical Physics, 2016, 18, 14980-14990.	2.8	34
21	Gasâ€phase interactions of organotin compounds with cysteine. Journal of Mass Spectrometry, 2016, 51, 1006-1015.	1.6	2
22	Effects of calcium complexation on heparinâ€like disaccharides. A combined theoretical, tandem mass spectrometry and ultraviolet experiment. Rapid Communications in Mass Spectrometry, 2015, 29, 1135-1144.	1.5	8
23	Elucidating collision induced dissociation products and reaction mechanisms of protonated uracil by coupling chemical dynamics simulations with tandem mass spectrometry experiments. Journal of Mass Spectrometry, 2015, 50, 1340-1351.	1.6	31
24	Structure of protonated thymidine characterized by infrared multiple photon dissociation and quantum calculations. Rapid Communications in Mass Spectrometry, 2015, 29, 1898-1904.	1.5	21
25	Structures of bare and singly hydrated [M(Ura-H)(Ura)]+ (M = Mg, Ca, Sr, Ba) complexes in the gas phase by IRMPD spectroscopy in the fingerprint region. International Journal of Mass Spectrometry, 2015, 378, 328-335.	1.5	17
26	Interaction of Cisplatin with 5â€²-dGMP: A Combined IRMPD and Theoretical Study. Inorganic Chemistry, 2015, 54, 3513-3522.	4.0	37
27	Gasâ€Phase Interactions between Lead(II) Ions and Cytosine: Tandem Mass Spectrometry and Infrared Multipleâ€Photon Dissociation Spectroscopy Study. ChemPhysChem, 2014, 15, 2959-2971.	2.1	20
28	Galactose-6-Sulfate collision induced dissociation using QM+MM chemical dynamics simulations and ESI-MS/MS experiments. International Journal of Mass Spectrometry, 2014, 358, 25-35.	1.5	31
29	Structure of the Pb2+â€“deprotonated dGMP complex in the gas phase: a combined MS-MS/IRMPD spectroscopy/ion mobility study. Physical Chemistry Chemical Physics, 2014, 16, 14127.	2.8	27
30	Unimolecular Reactivity of the [Urea-Sr]2+ Complex, a Metastable Dication in the Gas Phase: An Experimental and Theoretical Perspective. Journal of Physical Chemistry B, 2013, 117, 2088-2095.	2.6	6
31	Interaction of Cisplatin with Adenine and Guanine: A Combined IRMPD, MS/MS, and Theoretical Study. Journal of the American Chemical Society, 2013, 135, 1445-1455.	13.7	64
32	Gas-phase collision induced dissociation mechanisms of peptides: Theoretical and experimental study of N-formylalanylamide fragmentation. International Journal of Mass Spectrometry, 2013, 335, 33-44.	1.5	30
33	Reactivity of lanthanoid mono-cations with ammonia: A combined inductively coupled plasma mass spectrometry and computational investigation. International Journal of Mass Spectrometry, 2013, 334, 27-37.	1.5	12
34	Gasâ€phase interactions of organotin compounds with glycine. Journal of Mass Spectrometry, 2013, 48, 795-806.	1.6	9
35	Modeling Interactions between an Amino Acid and a Metal Dication: Cysteineâ€“Calcium(II) Reactions in the Gas Phase. ChemPlusChem, 2013, 78, 1124-1133.	2.8	13
36	Modelling peptideâ€“metal dication interactions: formamideâ€“Ca2+ reactions in the gas phase. Organic and Biomolecular Chemistry, 2012, 10, 7552.	2.8	16

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37	Collision induced dissociation of doubly-charged ions: Coulomb explosion vs. neutral loss in [Ca(urea)]2+ gas phase unimolecular reactivity via chemical dynamics simulations. Physical Chemistry Chemical Physics, 2012, 14, 11724.	2.8	25
38	Gasâ€phase basicities of polyfunctional molecules. Part 2: Saturated basic sites. Mass Spectrometry Reviews, 2012, 31, 353-390.	5.4	38
39	How Can f-Block Monocations Behave as Monocations of d-Block Transition Metals?. European Journal of Inorganic Chemistry, 2012, 2012, 3551-3555.	2.0	5
40	Direct Evidence for Tautomerization of the Uracil Moiety within the Pb²⁺/Uridine-5â€²-monophosphate Complex: A Combined Tandem Mass Spectrometry and IRMPD study. Inorganic Chemistry, 2011, 50, 7769-7778.	4.0	35
41	Modeling the interactions between peptide functions and Sr2+: formamideâ€“Sr2+ reactions in the gas phase. Physical Chemistry Chemical Physics, 2011, 13, 18409.	2.8	21
42	Unimolecular reactivity upon collision of uracilâ€“Ca2+ complexes in the gas phase: Comparison with uracilâ€“M+ (M=H, alkali metals) and uracilâ€“M2+ (M=Cu, Pb) systems. International Journal of Mass Spectrometry, 2011, 306, 27-36.	1.5	37
43	Structure of Pb2+/dCMP and Pb2+/CMP complexes as characterized by tandem mass spectrometry and IRMPD spectroscopy. International Journal of Mass Spectrometry, 2011, 304, 154-164.	1.5	23
44	Negative ion photoelectron spectroscopy of the copper-aspartic acid anion and its hydrated complexes. Journal of Chemical Physics, 2010, 133, 084303.	3.0	1
45	Ca2+ Reactivity in the Gas Phase. Bonding, Catalytic Effects and Coulomb Explosions. Challenges and Advances in Computational Chemistry and Physics, 2010, , 1-33.	0.6	2
46	Tautomerism of cytosine probed by gas phase IR spectroscopy. International Journal of Mass Spectrometry, 2009, 283, 214-221.	1.5	47
47	Gas-phase interactions between lead(II) ions and thiouracil nucleobases: A combined experimental and theoretical study. Journal of the American Society for Mass Spectrometry, 2009, 20, 359-369.	2.8	28
48	Protonated Urea Collision-Induced Dissociation. Comparison of Experiments and Chemical Dynamics Simulations. Journal of Physical Chemistry A, 2009, 113, 13853-13862.	2.5	60
49	Ni⁺ reactions with aminoacetonitrile, a potential prebiological precursor of glycine. Journal of Mass Spectrometry, 2008, 43, 317-326.	1.6	9
50	Computational study on the kinetics of the reaction between Ca2+ and urea. Chemical Physics Letters, 2008, 456, 156-161.	2.6	14
51	Sr2+-neutral molecules interactions: An assessment of theoretical procedures. Chemical Physics Letters, 2008, 464, 240-244.	2.6	10
52	Selenoureaâ^'Ca²⁺Reactions in Gas Phase. Similarities and Dissimilarities with Urea and Thiourea. Journal of Physical Chemistry B, 2008, 112, 5479-5486.	2.6	26
53	Tautomerism of Uracil Probed via Infrared Spectroscopy of Singly Hydrated Protonated Uracil. Journal of Physical Chemistry A, 2008, 112, 12393-12400.	2.5	96
54	Interaction of Ca2+ with uracil and its thio derivatives in the gas phase. Organic and Biomolecular Chemistry, 2008, 6, 3695.	2.8	40

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55	Ni⁺Reactions with Aminoacrylonitrile, A Species of Potential Astrochemical Relevance. Journal of Physical Chemistry A, 2008, 112, 10509-10515.	2.5	6
56	Unimolecular Reactivity of Uracilâ€“Cu2+ Complexes in the Gas Phase. ChemPhysChem, 2007, 8, 181-187.	2.1	64
57	Gas-Phase Reactions Between Thiourea and Ca2+: New Evidence for the Formation of [Ca(NH3)]2+ and Other Doubly Charged Species. ChemPhysChem, 2007, 8, 1330-1337.	2.1	25
58	Infrared Spectra of Protonated Uracil, Thymine and Cytosine. ChemPhysChem, 2007, 8, 2235-2244.	2.1	128
59	Thermochemistry, bonding, and reactivity of Ni + and Ni 2+ in the gas phase. Mass Spectrometry Reviews, 2007, 26, 474-516.	5.4	36
60	Characterization of the glycosidic linkage of underivatized disaccharides by interaction with Pb2+ ions. Journal of Mass Spectrometry, 2007, 42, 999-1011.	1.6	16
61	Proton Transfers Induced by Lead(II) in a Uracil Nucleobase:â€‰ A Study Based on Quantum Chemistry Calculations. Journal of Physical Chemistry A, 2006, 110, 11684-11694.	2.5	21
62	Gas-phase titration of C7H9+ ion mixtures by FT-ICR mass spectrometry: Semiquantitative determination of ion populations generated by CI-induced protonation of C7H8 isomers and by EI-induced fragmentation of some monoterpenes. International Journal of Mass Spectrometry, 2006, 249-250, 340-352.	1.5	20
63	Differentiation of the fucoidan sulfated l-fucose isomers constituents by CE-ESIMS and molecular modeling. Carbohydrate Research, 2006, 341, 598-609.	2.3	80
64	An Experimental and Theoretical Investigation of Gas-Phase Reactions of Ca2+ with Glycine. Chemistry - A European Journal, 2006, 12, 6787-6796.	3.3	57
65	Experimental and computational study of the gas-phase interactions between lead(II) ions and two pyrimidic nucleobases: Uracil and thymine. International Journal of Mass Spectrometry, 2005, 243, 279-293.	1.5	63
66	Optimization of extended basis sets and assessment of different theoretical schemes for Pb containing compounds. Chemical Physics Letters, 2004, 383, 561-565.	2.6	14
67	Gas-phase acidity ofD-glucose. A density functional theory study. Journal of Mass Spectrometry, 2004, 39, 930-941.	1.6	34
68	Gas-Phase Reactions between Urea and Ca2+:Â The Importance of Coulomb Explosions. Journal of Physical Chemistry A, 2004, 108, 10080-10088.	2.5	48
69	Low Energy Dissociation Processes of Ionized Cyclohexene:Â A Theoretical Insightâ€,â€¡. Journal of Physical Chemistry A, 2004, 108, 9853-9862.	2.5	10
70	Gas-Phase Reactivity of Lead(II) Ions with d-Glucose. Combined Electrospray Ionization Mass Spectrometry and Theoretical Study. Journal of Physical Chemistry A, 2003, 107, 2943-2953.	2.5	29
71	Gas Phase Reactivity of Ni+ with Urea. Mass Spectrometry and Theoretical Studies. Journal of Physical Chemistry A, 2003, 107, 9865-9874.	2.5	18
72	The Gas-Phase Basicity and Proton Affinity of 1,3,5-Cycloheptatrieneâ€”Energetics, Structure and Interconversion of Dihydrotropylium Ions. European Journal of Mass Spectrometry, 2003, 9, 361-376.	1.0	24

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73	Gas-Phase Reactivity of Silver and Copper Coordinated Monosaccharide Cations Studied by Electrospray Ionization and Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2003, 9, 377-390.	1.0	23
74	Structural characterization of hexoses and pentoses using lead cationization. An electrospray ionization and tandem mass spectrometric study. Journal of Mass Spectrometry, 2002, 37, 379-388.	1.6	53
75	Cyclopentenyl cation: its thermochemistry and its characterized formation from C6H10+ species. Chemical Physics Letters, 2002, 366, 510-519.	2.6	6
76	Gas-Phase Reactivity of Glycosides and Methyl Glycosides with Cu+, Ag+ and Pb2+ Ions by Fast-Atom Bombardment and Tandem Mass Spectrometry. European Journal of Mass Spectrometry, 2001, 7, 321-330.	1.0	24
77	Protonation Thermochemistry of Ethyl Halides. ChemPhysChem, 2001, 2, 604-610.	2.1	11
78	Thiosulfoxides (X2Sî˜...S) and disulfanes (XSSX):. International Journal of Mass Spectrometry, 2000, 195-196, 239-249.	1.5	20
79	Condensation Reactions between 1,3-Butadiene Radical Cation and Acetylene in the Gas Phase. Journal of Physical Chemistry A, 2000, 104, 5778-5786.	2.5	34
80	Re-evaluated gas phase basicity and proton affinity data from the thermokinetic method. Rapid Communications in Mass Spectrometry, 1999, 13, 932-936.	1.5	33
81	Isomerization of Acetonitrile N-Methylide [CH3CNCH2]â€¢+ and N-Methylketenimine [CH3NCCH2]â€¢+ Radical Cations in the Gas Phase:â€‰ Theoretical Study of the [C3,H5,N]â€¢+ Potential Energy Surface. Journal of Physical Chemistry A, 1999, 103, 938-946.	2.5	10
82	The gas-phase basicities of 6-methylfulvene and 6,6- dimethylfulvene as determined by the thermokinetic method. European Journal of Mass Spectrometry, 1999, 5, 441.	0.7	15
83	Formation and Characterization of Acetonitrile N-Methylide [CH3CNCH2]â€¢+ and N-Methylketenimine [CH3NCCH2]â€¢+ Radical Cations in the Gas Phase. Journal of Physical Chemistry A, 1998, 102, 861-869.	2.5	14
84	Ionized vinylamine: a specific reagent for the determination of olefinic bond position by ion/molecule reactions. Rapid Communications in Mass Spectrometry, 1997, 11, 1001-1006.	1.5	2
85	Gas-Phase Basicity and Heat of Formation of Sulfine CH2SO. Journal of the American Chemical Society, 1996, 118, 6516-6517.	13.7	36
86	A relationship between the kinetics and thermochemistry of proton transfer reactions in the gas phase. International Journal of Mass Spectrometry and Ion Processes, 1996, 153, 37-48.	1.8	217
87	Thermokinetic Determination of Gas-Phase Basicities. Application to Ketene, Methylketene, and Formaldimine. The Journal of Physical Chemistry, 1996, 100, 16555-16560.	2.9	53
88	Proton affinity and heat of formation of vinylimine CH2ï£¾CHCHï£¾NH. Rapid Communications in Mass Spectrometry, 1995, 9, 1195-1200.	1.5	8
89	Cycloaddition reactions between 1,3-butadiene radical cations and ethene in the gas phase. Rapid Communications in Mass Spectrometry, 1994, 8, 325-328.	1.5	19