HÃ©lÃ¨ne Lavanant

List of Publications by Year
in descending order

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33	645	567281 15	580821 25
papers	citations	h-index	g-index

33	33	33	889
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of a standardized in vitro approach to evaluate microphysical, chemical, and toxicological properties of combustion-derived fine and ultrafine particles. Journal of Environmental Sciences, 2022, 113, 104-117.	6.1	10
2	Toxicological impact of organic ultrafine particles (UFPs) in human bronchial epithelial BEAS-2B cells at air-liquid interface. Toxicology in Vitro, 2022, 78, 105258.	2.4	12
3	Ion mobility mass spectrometry of in situ generated biomass pyrolysis products. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105164.	5.5	4
4	Direct Inlet Probe Atmospheric Pressure Photo and Chemical Ionization Coupled to Ultrahigh Resolution Mass Spectrometry for the Description of Lignocellulosic Biomass. Journal of the American Society for Mass Spectrometry, 2020, 31, 822-831.	2.8	15
5	Particulate inorganic salts and trace element emissions of a domestic boiler fed with five commercial brands of wood pellets. Environmental Science and Pollution Research, 2020, 27, 18221-18231.	5.3	4
6	Collision Cross Sections of Phosphoric Acid Cluster Anions in Helium Measured by Drift Tube Ion Mobility Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 969-981.	2.8	5
7	Collision cross sections of negative cluster ions of phosphoric acid in N2 determined by drift tube ion mobility and their use in travelling wave ion mobility. International Journal of Mass Spectrometry, 2019, 442, 14-22.	1.5	5
8	General rules of fragmentation evidencing lasso structures in CID and ETD. Analyst, The, 2018, 143, 1157-1170.	3.5	27
9	A calibration framework for the determination of accurate collision cross sections of polyanions using polyoxometalate standards. Rapid Communications in Mass Spectrometry, 2018, 32, 1703-1710.	1.5	11
10	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. Inorganic Chemistry, 2017, 56, 8490-8496.	4.0	19
11	Signatures of Mechanically Interlocked Topology of Lasso Peptides by Ion Mobilityâ€“Mass Spectrometry: Lessons from a Collection of Representatives. Journal of the American Society for Mass Spectrometry, 2017, 28, 315-322.	2.8	17
12	Toward a Rational Design of Highly Folded Peptide Cation Conformations. 3D Gas-Phase Ion Structures and Ion Mobility Characterization. Journal of the American Society for Mass Spectrometry, 2016, 27, 1647-1660.	2.8	11
13	IRMPD Spectroscopy: Evidence of Hydrogen Bonding in the Gas Phase Conformations of Lasso Peptides and their Branched-Cyclic Topoisomers. Journal of Physical Chemistry A, 2016, 120, 3810-3816.	2.5	15
14	Gasâ€phase conformations of capistruin â€“ comparison of lasso, branchedâ€cyclic and linear topologies. Rapid Communications in Mass Spectrometry, 2015, 29, 1411-1419.	1.5	11
15	Ion Mobilityâ€“Mass Spectrometry of Lasso Peptides: Signature of a Rotaxane Topology. Analytical Chemistry, 2015, 87, 1166-1172.	6.5	48
16	Traveling Wave Ion Mobility Mass Spectrometry and Ab Initio Calculations of Phosphoric Acid Clusters. Journal of the American Society for Mass Spectrometry, 2014, 25, 572-580.	2.8	15
17	Exploration of polyamide structureâ€“property relationships by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 1697-1704.	1.5	1
18	Use of procaine and procainamide as derivatizing coâ€matrices for the analysis of oligosaccharides by matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 1311-1319.	1.5	17

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19	Reactivity of tetrathiometalates with alkynes. Synthesis and characterisation of dithiolene complexes of Mo, W, and V by ESMS and XRD. Transition Metal Chemistry, 2008, 33, 143-152.	1.4	9
20	Mass spectral and theoretical characterisation of non-symmetric Mo(V) dithiolene complexes. International Journal of Mass Spectrometry, 2005, 243, 205-214.	1.5	6
21	Hybrid Cyclic Dimers of Divacant Heteropolyanions: Synthesis, Mass Spectrometry (MALDI-TOF and) Tj ETQq1 1 0.784314 rgBT /Over 973-977.	2.0	38
22	New Organosilyl Derivatives of the Dawson Polyoxometalate [Î±2-P2W17O61(RSi)2O]6â^': Synthesis and Mass Spectrometric Investigation. Chemistry - A European Journal, 2004, 10, 5517-5523.	3.3	56
23	Synthesis of monophosphonic acid ligands with a phenanthroline core. Tetrahedron Letters, 2004, 45, 7805-7807.	1.4	3
24	Novel Mo(V)-Dithiolene Compounds: Characterization of Nonsymmetric Dithiolene Complexes by Electrospray Ionization Mass Spectrometry. Inorganic Chemistry, 2003, 42, 6425-6431.	4.0	17
25	Sodium-tolerant matrix for matrix-assisted laser desorption/ionization mass spectrometry and post-source decay of oligonucleotides. Rapid Communications in Mass Spectrometry, 2002, 16, 1928-1933.	1.5	20
26	Complexes of l-histidine with Fe2+, Co2+, Ni2+, Cu2+, Zn2+ studied by electrospray ionization mass spectrometry. International Journal of Mass Spectrometry, 1999, 185-187, 11-23.	1.5	82
27	Fragmentation of arginine- and lysine-containing dipeptides cationized by Cu+ and Cu2+. European Journal of Mass Spectrometry, 1999, 5, 41.	0.7	18
28	Analysis of Nisin A and Some of Its Variants Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Analytical Biochemistry, 1998, 255, 74-89.	2.4	22
29	Kinetic energies of histidine/Cu+ complexes desorbed by MeV particle bombardment. Rapid Communications in Mass Spectrometry, 1998, 12, 1137-1142.	1.5	2
30	Reduction of copper(II) complexes by electron capture in an electrospray ionization source. Journal of the American Society for Mass Spectrometry, 1998, 9, 1217-1221.	2.8	74
31	Characterisation of genetically modified nisin molecules by Fourier transform ion cyclotron resonance mass spectrometry. European Journal of Mass Spectrometry, 1998, 4, 405.	0.7	2
32	Formation and fragmentation of Î±-amino acids complexed by Cu+. Journal of Mass Spectrometry, 1997, 32, 1037-1049.	1.6	49
33	Lennard-Jones interaction parameters of Mo and W in He and N₂ from collision cross-sections of Lindqvist and Keggin polyoxometalate anions. Physical Chemistry Chemical Physics, 0, , .	2.8	0