

HÃ©lÃ¨ne Lavanant

List of Publications by Year in descending order

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papers

645
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567281

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citing authors

#	ARTICLE	IF	CITATIONS
1	Complexes of l-histidine with Fe ²⁺ , Co ²⁺ , Ni ²⁺ , Cu ²⁺ , Zn ²⁺ studied by electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 11-23.	1.5	82
2	Reduction of copper(II) complexes by electron capture in an electrospray ionization source. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 1217-1221.	2.8	74
3	New Organosilyl Derivatives of the Dawson Polyoxometalate [±2-P2W17O61(RSi)2O]6 [±] : Synthesis and Mass Spectrometric Investigation. <i>Chemistry - A European Journal</i> , 2004, 10, 5517-5523.	3.3	56
4	Formation and fragmentation of ±-amino acids complexed by Cu ⁺ . <i>Journal of Mass Spectrometry</i> , 1997, 32, 1037-1049.	1.6	49
5	Ion Mobility Mass Spectrometry of Lasso Peptides: Signature of a Rotaxane Topology. <i>Analytical Chemistry</i> , 2015, 87, 1166-1172.	6.5	48
6	Hybrid Cyclic Dimers of Divacant Heteropolyanions: Synthesis, Mass Spectrometry (MALDI-TOF and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 973-977.	2.0	38
7	General rules of fragmentation evidencing lasso structures in CID and ETD. <i>Analyst, The</i> , 2018, 143, 1157-1170.	3.5	27
8	Analysis of Nisin A and Some of Its Variants Using Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Biochemistry</i> , 1998, 255, 74-89.	2.4	22
9	Sodium-tolerant matrix for matrix-assisted laser desorption/ionization mass spectrometry and post-source decay of oligonucleotides. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1928-1933.	1.5	20
10	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. <i>Inorganic Chemistry</i> , 2017, 56, 8490-8496.	4.0	19
11	Fragmentation of arginine- and lysine-containing dipeptides cationized by Cu ⁺ and Cu ²⁺ . <i>European Journal of Mass Spectrometry</i> , 1999, 5, 41.	0.7	18
12	Novel Mo(V)-Dithiolene Compounds: Characterization of Nonsymmetric Dithiolene Complexes by Electrospray Ionization Mass Spectrometry. <i>Inorganic Chemistry</i> , 2003, 42, 6425-6431.	4.0	17
13	Use of procaine and procainamide as derivatizing matrices for the analysis of oligosaccharides by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1311-1319.	1.5	17
14	Signatures of Mechanically Interlocked Topology of Lasso Peptides by Ion Mobility Mass Spectrometry: Lessons from a Collection of Representatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 315-322.	2.8	17
15	Traveling Wave Ion Mobility Mass Spectrometry and Ab Initio Calculations of Phosphoric Acid Clusters. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 572-580.	2.8	15
16	IRMPD Spectroscopy: Evidence of Hydrogen Bonding in the Gas Phase Conformations of Lasso Peptides and their Branched-Cyclic Topoisomers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3810-3816.	2.5	15
17	Direct Inlet Probe Atmospheric Pressure Photo and Chemical Ionization Coupled to Ultrahigh Resolution Mass Spectrometry for the Description of Lignocellulosic Biomass. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 822-831.	2.8	15
18	Toxicological impact of organic ultrafine particles (UFPs) in human bronchial epithelial BEAS-2B cells at air-liquid interface. <i>Toxicology in Vitro</i> , 2022, 78, 105258.	2.4	12

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19	Gas-phase conformations of capistruin â€” comparison of lasso, branched cyclic and linear topologies. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1411-1419.	1.5	11
20	Toward a Rational Design of Highly Folded Peptide Cation Conformations. 3D Gas-Phase Ion Structures and Ion Mobility Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1647-1660.	2.8	11
21	A calibration framework for the determination of accurate collision cross sections of polyanions using polyoxometalate standards. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1703-1710.	1.5	11
22	Development of a standardized in vitro approach to evaluate microphysical, chemical, and toxicological properties of combustion-derived fine and ultrafine particles. <i>Journal of Environmental Sciences</i> , 2022, 113, 104-117.	6.1	10
23	Reactivity of tetrathiometalates with alkynes. Synthesis and characterisation of dithiolene complexes of Mo, W, and V by ESMS and XRD. <i>Transition Metal Chemistry</i> , 2008, 33, 143-152.	1.4	9
24	Mass spectral and theoretical characterisation of non-symmetric Mo(V) dithiolene complexes. <i>International Journal of Mass Spectrometry</i> , 2005, 243, 205-214.	1.5	6
25	Collision cross sections of negative cluster ions of phosphoric acid in N ₂ determined by drift tube ion mobility and their use in travelling wave ion mobility. <i>International Journal of Mass Spectrometry</i> , 2019, 442, 14-22.	1.5	5
26	Collision Cross Sections of Phosphoric Acid Cluster Anions in Helium Measured by Drift Tube Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 969-981.	2.8	5
27	Particulate inorganic salts and trace element emissions of a domestic boiler fed with five commercial brands of wood pellets. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18221-18231.	5.3	4
28	Ion mobility mass spectrometry of in situ generated biomass pyrolysis products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105164.	5.5	4
29	Synthesis of monophosphonic acid ligands with a phenanthroline core. <i>Tetrahedron Letters</i> , 2004, 45, 7805-7807.	1.4	3
30	Kinetic energies of histidine/Cu ⁺ complexes desorbed by MeV particle bombardment. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 1137-1142.	1.5	2
31	Characterisation of genetically modified nisin molecules by Fourier transform ion cyclotron resonance mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 1998, 4, 405.	0.7	2
32	Exploration of polyamide structureâ€”property relationships by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1697-1704.	1.5	1
33	Lennard-Jones interaction parameters of Mo and W in He and N ₂ from collision cross-sections of Lindqvist and Keggin polyoxometalate anions. <i>Physical Chemistry Chemical Physics</i> , 0, , .	2.8	0