

Anita Lagutschenkov

List of Publications by Year in descending order

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22
papers

643
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

789
citing authors

#	ARTICLE	IF	CITATIONS
1	SI-traceable monoelemental solutions on the highest level of accuracy: 25 years from the foundation of CCQM to recent advances in the development of measurement methods. <i>Metrologia</i> , 2020, 57, 014001.	1.2	1
2	A new method for the SI-traceable quantification of element contents in solid samples using LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 126-135.	3.0	6
3	Uncork – A Monte Carlo simulation tool for calculating combined uncertainties associated with mass bias calibration factors for isotope ratio measurements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 168, 105866.	2.9	2
4	Growth hormone isoform – differential mass spectrometry for doping control purposes. <i>Drug Testing and Analysis</i> , 2018, 10, 938-946.	2.6	9
5	Engineering monolayer poration for rapid exfoliation of microbial membranes. <i>Chemical Science</i> , 2017, 8, 1105-1115.	7.4	35
6	Vibrational Spectra and Structures of Neutral SimCn Clusters (m + n = 6): Sequential Doping of Silicon Clusters with Carbon Atoms. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1158-1163.	2.5	23
7	Infrared spectra of the protonated neurotransmitter histamine: competition between imidazolium and ammonium isomers in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15644.	2.8	28
8	Infrared spectra of protonated neurotransmitters: dopamine. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2815-2823.	2.8	85
9	Infrared spectrum of a protonated fluorescence dye: Acridine orange. <i>Journal of Molecular Spectroscopy</i> , 2011, 268, 66-77.	1.2	20
10	IR spectroscopy of isolated metal – organic complexes of biocatalytic interest: Evidence for coordination number four for Zn ²⁺ (imidazole) ₄ . <i>International Journal of Mass Spectrometry</i> , 2011, 308, 316-329.	1.5	18
11	Chiral Transformation in Protonated and Deprotonated Adipic Acids through Multistep Internal Proton Transfer. <i>Chemistry - A European Journal</i> , 2010, 16, 10373-10379.	3.3	1
12	Infrared and electronic spectroscopy of p-C ₆ H ₄ Cl ₂ +Ln clusters with L=Ar, N ₂ , H ₂ O, and p-C ₆ H ₄ Cl ₂ . <i>International Journal of Mass Spectrometry</i> , 2010, 297, 85-95.	1.5	21
13	Infrared and electronic spectra of microhydrated para-dichlorobenzene cluster cations. <i>Chemical Physics Letters</i> , 2010, 485, 49-55.	2.6	27
14	Infrared Spectra of Protonated Neurotransmitters: Serotonin. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13268-13276.	2.5	50
15	Structure of Zirconocene Complexes Relevant for Olefin Catalysis: Infrared Fingerprint of the Zr(C ₅ H ₅) ₂ (OH)(CH ₃ CN) ⁺ Cation in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2073-2079.	2.5	17
16	Structure and Infrared Spectrum of the Ag ⁺ Phenol Ionic Complex. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11053-11059.	2.5	74
17	Reactive Sigma-Aryliron Complexes or Iron-Promoted Coupling of Two Phenyl Anions to One Bis(cyclohexadienylidene) Ligand: Synthesis, Structure, Mass Spectrometry, and DFT Calculations. <i>Organometallics</i> , 2010, 29, 806-813.	2.3	30
18	Infrared spectrum of NH ₄ ⁺ (H ₂ O): Evidence for mode specific fragmentation. <i>Journal of Chemical Physics</i> , 2007, 126, 074307.	3.0	63

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19	The spectroscopic signature of the "all-surface" to "internally solvated" structural transition in water clusters in the $n=17-21$ size regime. <i>Journal of Chemical Physics</i> , 2005, 122, 194310.	3.0	79
20	Ab initio Study of $[Mg, nH_2O]$ - Reactive Decay Products: Structure and Stability of Magnesium Oxide and Magnesium Hydroxide Water Cluster Anions $[MgO, (n-1)H_2O]$ -, $[HMgOH, (n-1)H_2O]$ - and $[Mg(OH)_2, (n-2)H_2O]$ -. <i>ChemInform</i> , 2004, 35, no.	0.0	0
21	Ab initio study of $[Mg, nH_2O]$ ' reactive decay products: structure and stability of magnesium oxide and magnesium hydroxide water cluster anions $[MgO, (n-1)H_2O]$ '-, $[HMgOH, (n-1)H_2O]$ ' and $[Mg(OH)_2, (n-2)H_2O]$ '-. <i>ChemInform</i> , 2004, 35, no.	0.7843	14
22	Reductive Nitrile Coupling in Niobium Acetonitrile Complexes Probed by Free Electron Laser IR Multiphoton Dissociation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3350-3355.	2.5	47