

# Anita Lagutschenkov

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Infrared spectra of protonated neurotransmitters: dopamine. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2815-2823.	2.8	85
2	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
3	Structure and Infrared Spectrum of the Ag <sup>+</sup> Phenol Ionic Complex. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11053-11059.	2.5	74
4	Infrared spectrum of NH <sub>4</sub> <sup>+</sup> (H <sub>2</sub> O): Evidence for mode specific fragmentation. <i>Journal of Chemical Physics</i> , 2007, 126, 074307.	3.0	63
5	Infrared Spectra of Protonated Neurotransmitters: Serotonin. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13268-13276.	2.5	50
6	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
7	Engineering monolayer poration for rapid exfoliation of microbial membranes. <i>Chemical Science</i> , 2017, 8, 1105-1115.	7.4	35
8	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
9	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
10	Infrared and electronic spectra of microhydrated para-dichlorobenzene cluster cations. <i>Chemical Physics Letters</i> , 2010, 485, 49-55.	2.6	27
11	Vibrational Spectra and Structures of Neutral Si <sub>m</sub> C <sub>n</sub> 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
12	Infrared and electronic spectroscopy of p-C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> +Ln clusters with L=Ar, N <sub>2</sub> , H <sub>2</sub> O, and p-C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> . <i>International Journal of Mass Spectrometry</i> , 2010, 297, 85-95.	1.5	21
13	Infrared spectrum of a protonated fluorescence dye: Acridine orange. <i>Journal of Molecular Spectroscopy</i> , 2011, 268, 66-77.	1.2	20
14	IR spectroscopy of isolated metal-organic complexes of biocatalytic interest: Evidence for coordination number four for Zn <sup>2+</sup> (imidazole) <sub>4</sub> . <i>International Journal of Mass Spectrometry</i> , 2011, 308, 316-329.	1.5	18
15	Structure of Zirconocene Complexes Relevant for Olefin Catalysis: Infrared Fingerprint of the Zr(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> (OH)(CH <sub>3</sub> CN) <sup>+</sup> Cation in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2073-2079.	2.5	17
16	Growth hormone isoform differential mass spectrometry for doping control purposes. <i>Drug Testing and Analysis</i> , 2018, 10, 938-946.	2.6	9
17	Ab initio study of [Mg,nH <sub>2</sub> O] <sup>+</sup> reactive decay products: structure and stability of magnesium oxide and magnesium hydroxide water cluster anions [MgO,(n-1)H <sub>2</sub> O] <sup>-</sup> , [HMgOH,(n-1)H <sub>2</sub> O] <sup>-</sup> and [Mg(OH) <sub>2</sub> ,(n-1)H <sub>2</sub> O] <sup>-</sup> . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17078-17084.	2.5	14
18	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

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19	UncorK â€“ 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
20	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
21	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
22	Ab initio Study of [Mg,nH <sub>2</sub> O]- Reactive Decay Products: Structure and Stability of Magnesium Oxide and Magnesium Hydroxide Water Cluster Anions [MgO,(nâ€”1)H <sub>2</sub> O]-, [HMgOH,(nâ€”1)H <sub>2</sub> O]- and [Mg(OH) <sub>2</sub> ,(nâ€”2)H <sub>2</sub> O]-. <i>ChemInform</i> , 2004, 35, no.	0.0	0