Marta Åsabuda

List of Publications by Year
in descending order

28	270	1163117 8	940533 16
papers	citations	h-index	g-index

28	28	28	397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical treatment of charge-transfer processes induced by collision ofCq+ions with uracil. Physical Review A, 2005, 72, .	2.5	68
2	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	1.3	32
3	Theoretical Assessment of Excited State Gradients and Resonance Raman Intensities for the Azobenzene Molecule. Journal of Chemical Theory and Computation, 2017, 13, 1263-1274.	5.3	26
4	Furan Fragmentation in the Gas Phase: New Insights from Statistical and Molecular Dynamics Calculations. Journal of Physical Chemistry A, 2018, 122, 4153-4166.	2.5	19
5	Ab initio molecular treatment for charge transfer by S3+ ion on hydrogen. Chemical Physics Letters, 2004, 394, 446-451.	2.6	14
6	A non-adiabatic wavepacket dynamical study of the low energy charge transfer process in the S3++H collision. Chemical Physics, 2012, 400, 165-170.	1.9	14
7	State Selective Electron Capture in the Collision of S3+ Ions in Atomic Hydrogen and Helium. International Journal of Molecular Sciences, 2004, 5, 265-275.	4.1	13
8	Valence and ionic lowest-lying electronic states of ethyl formate as studied by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy, and ab initio calculations. Journal of Chemical Physics, 2014, 141, 104311.	3.0	10
9	A general approach to study molecular fragmentation and energy redistribution after an ionizing event. Physical Chemistry Chemical Physics, 2021, 23, 1859-1867.	2.8	9
10	A wavepacket study of the low-energy charge transfer process in the S3+ + H reaction using time-resolved electronic densities. Physical Chemistry Chemical Physics, 2010, 12, 5439.	2.8	8
11	Theoretical study of the photoelectron spectrum of ethyl formate: Ab initio and density functional theory investigation. European Physical Journal: Special Topics, 2013, 222, 2257-2266.	2.6	8
12	Modelling charge transfer processes in C²⁺â€“tetrahydrofuran collision for ion-induced radiation damage in DNA building blocks. Physical Chemistry Chemical Physics, 2017, 19, 19722-19732.	2.8	7
13	Anionic states of C₆Cl₆ probed in electron transfer experiments. Physical Chemistry Chemical Physics, 2021, 24, 366-374.	2.8	7
14	The Role of Electron Transfer in the Fragmentation of Phenyl and Cyclohexyl Boronic Acids. International Journal of Molecular Sciences, 2019, 20, 5578.	4.1	6
15	Charge Transfer, Complexes Formation and Furan Fragmentation Induced by Collisions with Low-Energy Helium Cations. International Journal of Molecular Sciences, 2019, 20, 6022.	4.1	6
16	Valence and Ionic Lowest-Lying Electronic States of Isobutyl Formate Studied by High-Resolution Vacuum Ultraviolet Photoabsorption, Photoelectron Spectroscopy, and Ab Initio Calculations. Journal of Physical Chemistry A, 2015, 119, 8647-8656.	2.5	5
17	Electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy and ab initio calculations of ethyl acetate. European Physical Journal D, 2016, 70, 1.	1.3	5
18	Neural Oscillation During Mental Imagery in Sport: An Olympic Sailor Case Study. Frontiers in Human Neuroscience, 2021, 15, 669422.	2.0	5

#	Article	IF	Citations
19	Isobutyl acetate: electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy and abÂinitio calculations. European Physical Journal D, 2017, 71, 1.	1.3	3
20	Theoretical treatment of charge transfer processes: From ion/atom to ion/biomolecule interactions. Progress in Theoretical Chemistry and Physics, 2007, , 203-214.	0.2	2
21	Comparison of charge transfer recombination of (3s² 3p) third row S³⁺ and P²⁺ ions with H. International Journal of Quantum Chemistry, 2007, 107, 2672-2678.	2.0	1
22	Electron transfer induced by collision of low-energy doubly charged carbon ions with tetrahydrofuran. Journal of Physics: Conference Series, 2015, 635, 022097.	0.4	1
23	Charge dependence of fragmentation process induced by ion collisions with furan molecule. Journal of Physics: Conference Series, 2017, 875, 102021.	0.4	1
24	Adiabatic potentials of the N5++He and Si4++He pairs for the charge transfer studies. , 2003, 5258, 117.		0
25	A time-dependent picture of the charge transfer process in the S³⁺+H collision. Journal of Physics: Conference Series, 2009, 194, 082024.	0.4	0
26	Ultrafast charge transfer dynamics induced by low energy collisions. Application to ion-atom and ion-molecule systems. Journal of Physics: Conference Series, 2012, 388, 082054.	0.4	0
27	Conformation analysis and semiclassical dynamics study of charge exchange process induced by collision of C2+ ions with tetrahydrofuran. Journal of Physics: Conference Series, 2017, 875, 102025.	0.4	0
28	Understanding the formation of metastable furan dication in collisions with ions. Journal of Physics: Conference Series, 2020, 1412, 132002.	0.4	0