

Rajendra Parajuli

List of Publications by Year in descending order

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23
papers

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23
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron Density, Interaction Energy and Hydrogen-Bond Radius of C-H...O Interaction. <i>Current Science</i> , 2018, 114, 1295.	0.8	2
2	On enhanced hydrogen adsorption on alkali (cesium) doped C60 and effects of the quantum nature of the H2 molecule on physisorption energies. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3078-3086.	7.1	33
3	C2H5OH-HX (X=OH, SH, F) interactions: Is there a carbon bond?. <i>Journal of Chemical Sciences</i> , 2016, 128, 1191-1198.	1.5	1
4	Metastable decay of nitrogen clusters ions, and determination of the average kinetic energy release and binding energy values. <i>International Journal of Mass Spectrometry</i> , 2015, 392, 53-57.	1.5	0
5	Study of structures, energies and vibrational frequencies of (O2) ⁿ⁺ (n=2-5) clusters by GGA and meta-GGA density functional methods. <i>Computational and Theoretical Chemistry</i> , 2015, 1056, 24-36.	2.5	4
6	X-H-C hydrogen bonds in n-alkane-HX (X = F, OH) complexes are stronger than C-H-X hydrogen bonds. <i>Journal of Chemical Sciences</i> , 2015, 127, 1035-1045.	1.5	10
7	Experimental Binding Energies for the Metal Complexes [Mg(NH ₃) ₃] _n ²⁺ , [Ca(NH ₃) ₃] _n ²⁺ , and [Sr(NH ₃) ₃] _n ²⁺ for n = 4-20 Determined from Kinetic Energy Release Measurements. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9525-9533.	2.5	14
8	Binding energies determined from kinetic energy release measurements following the evaporation of single molecules from the molecular clusters H+(H2O) _n , H+(NH3) _n and H+(CH3OH) _n . <i>International Journal of Mass Spectrometry</i> , 2013, 333, 1-7.	1.5	11
9	Multi-photon ionization and fragmentation of uracil: Neutral excited-state ring opening and hydration effects. <i>Journal of Chemical Physics</i> , 2013, 139, 244311.	3.0	36
10	Measurements of kinetic energy release and binding energy following the unimolecular fragmentation of molecular cluster ions. <i>International Journal of Mass Spectrometry</i> , 2010, 296, 10-14.	1.5	2
11	Dissociative electron attachment to formic acid. <i>Chemical Physics Letters</i> , 2005, 405, 172-176.	2.6	37
12	Ne ²⁺ [II (1/2)u]: radiative decay and electronic predissociation. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1043-1048.	2.8	9
13	Mechanisms and dynamics of the metastable decay in Ar ²⁺ . <i>Journal of Chemical Physics</i> , 2004, 121, 7253-7258.	3.0	12
14	Time-resolved kinetic energy releases in propane. <i>International Journal of Mass Spectrometry</i> , 2003, 222, 213-219.	1.5	24
15	Probing Electronic States of Ne ²⁺ and Ar ²⁺ by Measuring Kinetic-Energy-Release Distributions. <i>Physical Review Letters</i> , 2003, 91, 133401.	7.8	25
16	Quantitative investigation of the kinetic energy release in metastable decay reactions of (O2) ⁿ⁺ ions: Evidence for a change in the metastable decay mechanism as a function of cluster size. <i>Journal of Chemical Physics</i> , 2002, 116, 7583-7588.	3.0	8
17	Calculated absolute cross section for the electron-impact ionization of CO ²⁺ and N ²⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, L65-L69.	1.5	11
18	Unimolecular dissociation of non-stoichiometric oxygen cluster ions O _n ⁺ (n=5, 7, 9, 11): a switch from O3 to O2 loss above cluster size n=5. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 221-230.	1.5	3

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19	Binding energies of neon and krypton cluster ions. Chemical Physics Letters, 2002, 352, 288-293.	2.6	22
20	Kinetic energy release in exciton-driven metastable decay of neon cluster ions. Chemical Physics Letters, 2002, 361, 91-98.	2.6	5
21	Decay reactions of rare gas cluster ions: Kinetic energy release distributions and binding energies. European Physical Journal D, 2001, 16, 69-72.	1.3	6
22	Novel decay channels of carbon cluster ions, C _{40z+} and C _{41z+} (z=3,4). Chemical Physics Letters, 2000, 330, 53-60.	2.6	2
23	Kinetic energy releases and electron-induced decay of C _{60z+} . European Journal of Mass Spectrometry, 1999, 5, 477.	0.7	22