Rajendra Parajuli

List of Publications by Year
in descending order

23	299	840776 11	839539 18
papers	citations	h-index	g-index

23	23	23	287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dissociative electron attachment to formic acid. Chemical Physics Letters, 2005, 405, 172-176.	2.6	37
2	Multi-photon ionization and fragmentation of uracil: Neutral excited-state ring opening and hydration effects. Journal of Chemical Physics, 2013, 139, 244311.	3.0	36
3	On enhanced hydrogen adsorption on alkali (cesium) doped C60 and effects of the quantum nature of the H2 molecule on physisorption energies. International Journal of Hydrogen Energy, 2017, 42, 3078-3086.	7.1	33
4	Probing Electronic States ofNe2â€‰â€‰+andAr2â€‰â€‰+by Measuring Kinetic-Energy-Release Distributions. Physical Review Letters, 2003, 91, 133401.	7.8	25
5	Time-resolved kinetic energy releases in propane. International Journal of Mass Spectrometry, 2003, 222, 213-219.	1.5	24
6	Kinetic energy releases and electron-induced decay of C60z+. European Journal of Mass Spectrometry, 1999, 5, 477.	0.7	22
7	Binding energies of neon and krypton cluster ions. Chemical Physics Letters, 2002, 352, 288-293.	2.6	22
8	Experimental Binding Energies for the Metal Complexes [Mg(NH₃)_n]²⁺, [Ca(NH₃)_n]²⁺, and [Sr(NH₃)_n]²⁺ for n = 4â€“20 Determined from Kinetic Energy Release Measurements. Journal of Physical Chemistry A, 2014, 118, 8525-8532.	2.5	14
9	Mechanisms and dynamics of the metastable decay in Ar2+. Journal of Chemical Physics, 2004, 121, 7253-7258.	3.0	12
10	Calculated absolute cross section for the electron-impact ionization of CO2+and N2+. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L65-L69.	1.5	11
11	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. International Journal of Mass Spectrometry, 2013, 333, 1-7.	1.5	11
12	X-Hâ‹¯C hydrogen bonds in n-alkane-HX (X = F, OH) complexes are stronger than C-Hâ‹¯X hydrogen bonds. Journal of Chemical Sciences, 2015, 127, 1035-1045.	1.5	10
13	Ne2+[II (1/2)u]: radiative decay and electronic predissociation. Physical Chemistry Chemical Physics, 2005, 7, 1043-1048.	2.8	9
14	Quantitative investigation of the kinetic energy release in metastable decay reactions of (O2)n=2â€“10+ ions: Evidence for a change in the metastable decay mechanism as a function of cluster size. Journal of Chemical Physics, 2002, 116, 7583-7588.	3.0	8
15	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
16	Kinetic energy release in exciton-driven metastable decay of neon cluster ions. Chemical Physics Letters, 2002, 361, 91-98.	2.6	5
17	Study of structures, energies and vibrational frequencies of (O2)n+ (n=2â€“5) clusters by GGA and meta-GGA density functional methods. Computational and Theoretical Chemistry, 2015, 1056, 24-36.	2.5	4
18	Unimolecular dissociation of non-stoichiometric oxygen cluster ions On+â^— (n=5, 7, 9, 11): a switch from O3 to O2 loss above cluster size n=5. International Journal of Mass Spectrometry, 2002, 220, 221-230.	1.5	3

#	Article	IF	Citations
19	Novel decay channels of carbon cluster ions, C40z+ and C41z+ (z=3,4). Chemical Physics Letters, 2000, 330, 53-60.	2.6	2
20	Measurements of kinetic energy release and binding energy following the unimolecular fragmentation of molecular cluster ions. International Journal of Mass Spectrometry, 2010, 296, 10-14.	1.5	2
21	Electron Density, Interaction Energy and Hydrogen-Bond Radius of Câ€“H...O Interaction. Current Science, 2018, 114, 1295.	0.8	2
22	C2H5OHâ‹¯HX (X=OH, SH, F) interactions: Is there a carbon bond?. Journal of Chemical Sciences, 2016, 128, 1191-1198.	1.5	1
23	Metastable decay of nitrogen clusters ions, and determination of the average kinetic energy release and binding energy values. International Journal of Mass Spectrometry, 2015, 392, 53-57.	1.5	0