Peter Papp

List of Publications by Year
in descending order

28 papers	471 citations	623574 14 h-index	677027 22 g-index
28 all docs	28 docs citations	28 times ranked	459 citing authors

#	Article	IF	Citations
1	Dissociative electron attachment to gas phase valine: A combined experimental and theoretical study. Journal of Chemical Physics, 2006, 125, 204301.	1.2	74
2	Absolute cross sections for dissociative electron attachment and dissociative ionization of cobalt tricarbonyl nitrosyl in the energy range from 0 eV to 140 eV. Journal of Chemical Physics, 2013, 138, 044305.	1.2	51
3	Dissociative electron attachment and electronic excitation in Fe(CO)₅. Physical Chemistry Chemical Physics, 2018, 20, 11692-11701.	1.3	40
4	Resonance Electron Capture by Serine. Journal of Physical Chemistry A, 2010, 114, 1677-1683.	1.1	27
5	Electron-induced ionization and dissociative ionization of iron pentacarbonyl molecules. European Physical Journal D, 2015, 69, 1.	0.6	25
6	Acetone and the precursor ligand acetylacetone: distinctly different electron beam induced decomposition?. Physical Chemistry Chemical Physics, 2015, 17, 1204-1216.	1.3	25
7	Dissociative electron attachment to 2,4,6-trichloroanisole and 2,4,6-tribromoanisole molecules. Journal of Chemical Physics, 2017, 147, 234302.	1.2	22
8	Electron ionization and dissociation of aliphatic amino acids. Journal of Chemical Physics, 2012, 137, 105101.	1.2	21
9	Electron impact ionisation and UV absorption study of Î±- and Î²-pinene. International Journal of Mass Spectrometry, 2009, 280, 169-173.	0.7	20
10	Electron impact ionization of furanose alcohols. Journal of Chemical Physics, 2010, 132, 104308.	1.2	20
11	Suppression of low-energy dissociative electron attachment in Fe(CO)₅ upon clustering. Beilstein Journal of Nanotechnology, 2017, 8, 2200-2207.	1.5	19
12	Specific formation of negative ions from leucine and isoleucine molecules. Journal of Chemical Physics, 2010, 132, 014301.	1.2	18
13	Manyâ€body Brillouinâ€“Wigner secondâ€order perturbation theory: A robust and efficient approach to the multireference correlation problem. International Journal of Quantum Chemistry, 2007, 107, 2622-2631.	1.0	15
14	Analytical continuation in coupling constant method; application to the calculation of resonance energies and widths for organic molecules: Glycine, alanine and valine and dimer of formic acid. Chemical Physics, 2013, 418, 8-13.	0.9	15
15	Many-body Brillouinâ€“Wigner second-order perturbation theory using a multireference formulation: an application to bond breaking in the diatomic hydrides BH and FH. Molecular Physics, 2006, 104, 2367-2386.	0.8	14
16	An experimental and theoretical study on structural parameters and energetics in ionization and dissociation of cobalt tricarbonyl nitrosyl. International Journal of Mass Spectrometry, 2013, 356, 24-32.	0.7	13
17	Electron interaction with copper(II) carboxylate compounds. Beilstein Journal of Nanotechnology, 2018, 9, 384-398.	1.5	11
18	Isomer and conformer selective atmospheric pressure chemical ionisation of dimethyl phthalate. Physical Chemistry Chemical Physics, 2019, 21, 13679-13685.	1.3	8

#	Article	IF	Citations
19	Quantum-chemical calculations of the products and energies of electron induced ionization of 2-Furanmethanol, Tetrahydro-and 3-Furanol. Facta Universitatis - Series Physics Chemistry and Technology, 2008, 6, 127-139.	0.2	7
20	Multireference second-order Brillouinâ€“Wigner perturbation theoryÂ§. Molecular Physics, 2004, 102, 701-709.	0.8	6
21	Many-body Brillouinâ€“Wigner second-order perturbation theory: an application to the autoaromatisation of hex-3-ene-1,5-diyne (the Bergman reaction). Molecular Physics, 2008, 106, 57-74.	0.8	6
22	Thermal desorption effects on fragment ion production from multi-photon ionized uridine and selected analogues. RSC Advances, 2021, 11, 20612-20621.	1.7	5
23	The breakdown voltage characteristics, the effective secondary emission coefficient and the ionization coefficient of the argon-based mixtures. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 100-102.	0.6	3
24	Dissociation of dicyclohexyl phthalate molecule induced by low-energy electron impact. Journal of Chemical Physics, 2018, 148, 214305.	1.2	3
25	Fragmentation of methylphenylsilane and trimethylphenylsilane: A combined theoretical and experimental study. International Journal of Mass Spectrometry, 2015, 385, 1-12.	0.7	2
26	Study of atmospheric pressure chemical ionization of phthalates in air by ion mobility spectrometry/mass spectrometry. Rapid Communications in Mass Spectrometry, 2021, 35, e9145.	0.7	1
27	An experimental and theoretical study of electron impact ionization and dissociative electron attachment to trimethyl borate. International Journal of Mass Spectrometry, 2014, 365-366, 157-162.	0.7	0
28	Electron ionization and photoionization of cyclopropylamine. International Journal of Mass Spectrometry, 2020, 455, 116390.	0.7	0