

Paulo Lima-Vieira

List of Publications by Year in descending order

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236
papers

3,893
citations

147566
31
h-index

214527
47
g-index

238
all docs

238
docs citations

238
times ranked

2630
citing authors

#	ARTICLE	IF	CITATIONS
1	Water VUV electronic state spectroscopy by synchrotron radiation. Chemical Physics Letters, 2005, 416, 152-159.	1.2	181
2	VUV photoabsorption in CF ₃ X (X=Cl, Br, I) fluoro-alkanes. Chemical Physics, 2006, 323, 313-333.	0.9	110
3	Modelling low energy electron and positron tracks for biomedical applications. International Journal of Radiation Biology, 2012, 88, 71-76.	1.0	80
4	Modelling low energy electron and positron tracks in biologically relevant media. European Physical Journal D, 2013, 67, 1.	0.6	78
5	Electron-scattering cross sections for collisions with tetrahydrofuran from 50 to 5000 eV. Physical Review A, 2009, 80, .	1.0	76
6	Design and Optimization of an Ultra Wideband and Compact Microwave Antenna for Radiometric Monitoring of Brain Temperature. IEEE Transactions on Biomedical Engineering, 2014, 61, 2154-2160.	2.5	71
7	VUV spectroscopy of CH ₃ Cl and CH ₃ I. Chemical Physics, 2007, 331, 232-244.	0.9	70
8	Electron Interaction Cross Sections for CF ₃ I, C ₂ F ₄ , and CF _x (x=1-3) Radicals. Journal of Physical and Chemical Reference Data, 2006, 35, 267-284.	1.9	69
9	Electron-scattering cross sections and stopping powers in H_2 and O_2 . Physical Review A, 2007, 76, .	1.0	67
10	The VUV electronic spectroscopy of acetone studied by synchrotron radiation. Physical Chemistry Chemical Physics, 2008, 10, 550-560.	1.3	59
11	Total electron-scattering cross sections from pyrimidine as measured using a magnetically confined experimental system. Physical Review A, 2013, 88, .	1.0	56
12	Cross section data sets for electron collisions with H ₂ , O ₂ , CO, CO ₂ , N ₂ O and H ₂ O. European Physical Journal D, 2012, 66, 1.	0.6	55
13	NCO ⁺ , a Key Fragment Upon Dissociative Electron Attachment and Electron Transfer to Pyrimidine Bases: Site Selectivity for a Slow Decay Process. Journal of the American Society for Mass Spectrometry, 2013, 24, 1787-1797.	1.2	53
14	Interpretation of the vacuum ultraviolet photoabsorption spectrum of iodobenzene by <i>ab initio</i> computations. Journal of Chemical Physics, 2015, 142, 134302.	1.2	51
15	Electronic states of neutral and ionized tetrahydrofuran studied by VUV spectroscopy and <i>ab initio</i> calculations. European Physical Journal D, 2009, 51, 97-108.	0.6	50
16	The role of pyrimidine and water as underlying molecular constituents for describing radiation damage in living tissue: A comparative study. Journal of Applied Physics, 2015, 117, .	1.1	48
17	Low-energy electrons transform the nimorazole molecule into a radiosensitiser. Nature Communications, 2019, 10, 2388.	5.8	48
18	Scattering data for modelling positron tracks in gaseous and liquid water. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 145001.	0.6	47

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19	The electronic states of pyrimidine studied by VUV photoabsorption and electron energy-loss spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6717.	1.3	45
20	Electron collisions with phenol: Total, integral, differential, and momentum transfer cross sections and the role of multichannel coupling effects on the elastic channel. <i>Journal of Chemical Physics</i> , 2015, 142, 104304.	1.2	44
21	Low energy electron attachment to CH ₃ CN. <i>Chemical Physics Letters</i> , 2003, 381, 216-222.	1.2	43
22	Selective Bond Cleavage in Potassium Collisions with Pyrimidine Bases of DNA. <i>Physical Review Letters</i> , 2013, 110, 023201.	2.9	43
23	Negative ion formation in potassium nitromethane collisions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12513.	1.3	40
24	Study of the one dimensional and transient bioheat transfer equation: Multi-layer solution development and applications. <i>International Journal of Heat and Mass Transfer</i> , 2013, 62, 153-162.	2.5	39
25	Elastic cross sections for electron scattering from GeF ₄ : Predominance of atomic-F in the high-energy collision dynamics. <i>Journal of Chemical Physics</i> , 2012, 136, 134313.	1.2	38
26	Multi-photon ionization and fragmentation of uracil: Neutral excited-state ring opening and hydration effects. <i>Journal of Chemical Physics</i> , 2013, 139, 244311.	1.2	36
27	Electron methane interaction model for the energy range 0.1-10000eV. <i>Chemical Physics Letters</i> , 2010, 486, 110-115.	1.2	34
28	Electron transfer-induced fragmentation of thymine and uracil in atom molecule collisions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15657.	1.3	34
29	Low-energy electron scattering from pyrimidine: Similarities and differences with benzene. <i>Chemical Physics Letters</i> , 2012, 535, 30-34.	1.2	34
30	Differential cross sections for the electron impact excitation of pyrimidine. <i>Journal of Chemical Physics</i> , 2012, 137, 074304.	1.2	33
31	An investigation into electron scattering from pyrazine at intermediate and high energies. <i>Journal of Chemical Physics</i> , 2013, 139, 184310.	1.2	32
32	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	32
33	Spectroscopic studies of anatase TiO ₂ thin films prepared by DC reactive magnetron sputtering. <i>Chemical Physics Letters</i> , 2011, 508, 71-75.	1.2	30
34	Positive and negative ion formation via slow electron collisions with 5-bromouridine. <i>European Physical Journal D</i> , 2005, 35, 391-398.	0.6	29
35	Dissociative electron attachment to nitromethane. <i>International Journal of Mass Spectrometry</i> , 2008, 271, 15-21.	0.7	29
36	Electronic state spectroscopy of methyl formate probed by high resolution VUV photoabsorption, He(i) photoelectron spectroscopy and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 15734.	1.3	29

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37	A study of electron scattering from benzene: Excitation of the 1B _{1u} , 3E _{2g} , and 1E _{1u} electronic states. <i>Journal of Chemical Physics</i> , 2011, 134, 134308.	1.2	29
38	Differential and integral electron scattering cross sections from tetrahydrofuran (THF) over a wide energy range: 1â€“10 000 eV. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	29
39	Electronic excitation of tetrafluoroethylene, C ₂ F ₄ . <i>Chemical Physics</i> , 2004, 297, 257-269.	0.9	28
40	Electron attachment and electron ionization of acetic acid clusters embedded in helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11631.	1.3	28
41	A study of electron interactions with silicon tetrafluoride: elastic scattering and vibrational excitation cross sections. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 095204.	0.6	28
42	High resolution VUV photo-absorption cross-section for dimethylsulphide, (CH ₃) ₂ S. <i>Chemical Physics Letters</i> , 2002, 366, 343-349.	1.2	27
43	Electronic state spectroscopy of acetaldehyde, CH ₃ CHO, by high-resolution VUV photo-absorption. <i>Chemical Physics Letters</i> , 2003, 376, 737-747.	1.2	27
44	Limonene: electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, electron scattering, He(i) photoelectron spectroscopy and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2056.	1.3	27
45	Total electron scattering cross sections from <i>para</i> -benzoquinone in the energy range 1â€“200 eV. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22368-22378.	1.3	27
46	2-methyl furan: An experimental study of the excited electronic levels by electron energy loss spectroscopy, vacuum ultraviolet photoabsorption, and photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 3670-3680.	1.2	25
47	Sensitization of 5-bromouridine by slow electrons. <i>Chemical Physics Letters</i> , 2004, 393, 442-447.	1.2	25
48	Electron transfer processes in potassium collisions with 5-fluorouracil and 5-chlorouracil. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21621.	1.3	25
49	High resolution photo-absorption studies of acrylonitrile, C ₂ H ₃ CN, and acetonitrile, CH ₃ CN. <i>European Physical Journal D</i> , 2003, 26, 201-210.	0.6	24
50	Electron scattering cross sections for SF ₆ and SF ₅ CF ₃ at intermediate and high energies (100â€“10000 eV). <i>Physical Review A</i> , 2005, 71, .	1.0	24
51	Acetic acid electronic state spectroscopy by high-resolution vacuum ultraviolet photo-absorption, electron impact, He(I) photoelectron spectroscopy and ab initio calculations. <i>Chemical Physics</i> , 2006, 324, 339-349.	0.9	24
52	Valence shell electronic spectroscopy of isoprene studied by theoretical calculations and by electron scattering, photoelectron, and absolute photoabsorption measurements. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11219.	1.3	24
53	Electron excitation of the Schumannâ€“Runge continuum, longest band, and second band electronic states in O ₂ . <i>Journal of Chemical Physics</i> , 2011, 134, 064311.	1.2	24
54	Electron- and photon-impact ionization of furfural. <i>Journal of Chemical Physics</i> , 2015, 143, 184310.	1.2	24

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55	A Complete Cross Section Data Set for Electron Scattering by Pyridine: Modelling Electron Transport in the Energy Range 0–100 eV. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6947.	1.8	24
56	N-site de-methylation in pyrimidine bases as studied by low energy electrons and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11431.	1.3	23
57	Differential cross sections for intermediate-energy electron scattering from $\hat{1}\pm$ -tetrahydrofurfuryl alcohol: Excitation of electronic-states. <i>Journal of Chemical Physics</i> , 2014, 141, 024301.	1.2	23
58	Electron scattering cross section data for tungsten and beryllium atoms from 0.1 to 5000 eV. <i>Plasma Sources Science and Technology</i> , 2017, 26, 085004.	1.3	23
59	Temperature dependent high-resolution infrared photoabsorption cross-sections of trifluoromethyl sulphur pentafluoride. <i>Chemical Physics</i> , 2003, 287, 137-142.	0.9	22
60	Negative ion formation through dissociative electron attachment to the group IV tetrafluorides: Carbon tetrafluoride, silicon tetrafluoride and germanium tetrafluoride. <i>International Journal of Mass Spectrometry</i> , 2013, 339-340, 45-53.	0.7	22
61	Numerical 3D modeling of heat transfer in human tissues for microwave radiometry monitoring of brown fat metabolism. <i>Proceedings of SPIE</i> , 2013, 8584, .	0.8	22
62	Measuring electron-impact cross sections of water: elastic scattering and electronic excitation of the \hat{A}^3B_1 and \hat{A}^1B_1 states. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	22
63	Electron-Induced Dissociation of the Potential Radiosensitizer 5-Selenocyanato-2-deoxyuridine. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1274-1282.	1.2	22
64	Modelling single positron tracks in Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 045207.	0.6	21
65	A comprehensive and comparative study of elastic electron scattering from OCS and CS ₂ in the energy region from 1.2 to 200 eV. <i>Journal of Chemical Physics</i> , 2013, 138, 054302.	1.2	21
66	Electronic excitation of carbonyl sulphide (COS) by high-resolution vacuum ultraviolet photoabsorption and electron-impact spectroscopy in the energy region from 4 to 11 eV. <i>Journal of Chemical Physics</i> , 2015, 142, 064303.	1.2	21
67	A complete data set for the simulation of electron transport through gaseous tetrahydrofuran in the energy range 1–100 eV. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	21
68	An experimental study of SF ₅ CF ₃ by electron energy loss spectroscopy, VUV photo-absorption and photoelectron spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2004, 233, 335-341.	0.7	20
69	Electron impact ionisation and UV absorption study of $\hat{1}\pm$ - and $\hat{1}^2$ -pinene. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 169-173.	0.7	20
70	Differential elastic electron scattering cross sections for CCl ₄ by 1.5–100 eV energy electron impact. <i>Journal of Chemical Physics</i> , 2011, 135, 234309.	1.2	20
71	Magnetically confined electron beam system for high resolution electron transmission-beam experiments. <i>Review of Scientific Instruments</i> , 2018, 89, 063105.	0.6	20
72	Atmospheric chemistry with synchrotron radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, S893-S911.	0.6	19

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73	Electronic excitation of furfural as probed by high-resolution vacuum ultraviolet spectroscopy, electron energy loss spectroscopy, and <i>ab initio</i> calculations. <i>Journal of Chemical Physics</i> , 2015, 143, 144308.	1.2	19
74	Positive and negative ions of the amino acid histidine formed in low-energy electron collisions. <i>Journal of Mass Spectrometry</i> , 2019, 54, 802-816.	0.7	19
75	High resolution VUV photoabsorption cross section of dimethyl sulphoxide (CH ₃) ₂ SO. <i>Chemical Physics</i> , 2007, 331, 447-452.	0.9	18
76	Low energy electron transport in furfural. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	18
77	Current prospects on Low Energy Particle Track Simulation for biomedical applications. <i>Applied Radiation and Isotopes</i> , 2014, 83, 159-164.	0.7	17
78	Potassium-Uracil/Thymine Ring Cleavage Enhancement As Studied in Electron Transfer Experiments and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6547-6552.	1.1	17
79	Cross sections for electron scattering from tetrahydrofurfuryl alcohol. <i>Chemical Physics Letters</i> , 2014, 608, 161-166.	1.2	17
80	Electronic structure of hexafluorobenzene by high-resolution vacuum ultraviolet photo-absorption and He(I) photoelectron spectroscopy. <i>Chemical Physics</i> , 2006, 328, 183-189.	0.9	16
81	Energy deposition by a 106Ru/106Rh eye applicator simulated using LEPTS, a low-energy particle track simulation. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1198-1204.	0.7	16
82	Electronic States of Tetrahydrofurfuryl Alcohol (THFA) As Studied by VUV Spectroscopy and Ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6425-6434.	1.1	16
83	Total electron scattering cross section from pyridine molecules in the energy range 10–1000 eV. <i>Chemical Physics Letters</i> , 2018, 699, 182-187.	1.2	16
84	Experimental and theoretical analysis for total electron scattering cross sections of benzene. <i>Journal of Chemical Physics</i> , 2019, 151, 084310.	1.2	16
85	Revisiting the photoabsorption spectrum of NH ₃ in the 5.4–10.8 eV energy region. <i>Journal of Chemical Physics</i> , 2019, 151, 184302.	1.2	16
86	Dissociative ion-pair formation in collisions of fast potassium atoms with benzene and fluorobenzene. <i>Journal of Chemical Physics</i> , 2006, 124, 054306.	1.2	15
87	Probing royal demolition explosive (1,3,5-trinitro-1,3,5-triazocyclohexane) by low-energy electrons: Strong dissociative electron attachment near 0 eV. <i>Journal of Chemical Physics</i> , 2009, 131, 144304.	1.2	15
88	Negative ion formation through dissociative electron attachment to GeH ₄ : Comparative studies with CH ₄ and SiH ₄ . <i>International Journal of Mass Spectrometry</i> , 2011, 306, 51-56.	0.7	15
89	Mass spectrometry of anions and cations produced in 4 keV H ⁺ , O ⁺ , and OH ⁺ collisions with nitromethane, water, ethanol, and methanol. <i>International Journal of Mass Spectrometry</i> , 2012, 311, 7-16.	0.7	15
90	Dynamic of negative ions in potassium-D-ribose collisions. <i>Journal of Chemical Physics</i> , 2013, 139, 114304.	1.2	15

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91	Electron Ionization of Imidazole and Its Derivative 2-Nitroimidazole. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2678-2691.	1.2	15
92	Low energy electron interaction with free and bound SF ₅ CF ₃ : Negative ion formation from single molecules, clusters and nanofilms. <i>Journal of Chemical Physics</i> , 2003, 119, 10396-10403.	1.2	14
93	Photoabsorption measurements and theoretical calculations of the electronic state spectroscopy of propionic, butyric, and valeric acids. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5729.	1.3	14
94	A-band methyl halide dissociation via electronic curve crossing as studied by electron energy loss spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 133, 054304.	1.2	14
95	Ion-Pair Formation in Neutral Potassium-Neutral Pyrimidine Collisions: Electron Transfer Experiments. <i>Frontiers in Chemistry</i> , 2019, 7, 264.	1.8	14
96	UV/Vis+ photochemistry database: Structure, content and applications. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107056.	1.1	14
97	Energy deposition model based on electron scattering cross section data from water molecules. <i>Journal of Physics: Conference Series</i> , 2008, 133, 012002.	0.3	13
98	Modelling low energy electron interactions for biomedical uses of radiation. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012028.	0.3	13
99	Electron interactions with tetrahydrofuran. <i>Journal of Physics: Conference Series</i> , 2012, 373, 012010.	0.3	13
100	Anionic fragmentation of glycine upon potassium-molecule collisions. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	13
101	Intermediate-energy differential and integral cross sections for vibrational excitation in \pm -tetrahydrofurfuryl alcohol. <i>Journal of Chemical Physics</i> , 2014, 140, 214306.	1.2	13
102	New Fragmentation Pathways in K^+ -THF Collisions As Studied by Electron-Transfer Experiments: Negative Ion Formation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 690-696.	1.1	13
103	Toluene Valence and Rydberg Excitations as Studied by <i>ab initio</i> Calculations and Vacuum Ultraviolet (VUV) Synchrotron Radiation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9059-9069.	1.1	13
104	Selective Bond Excision in Nitroimidazoles by Electron Transfer Experiments. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4068-4073.	1.1	13
105	Inelastic scattering and stopping power of electrons in methane based tissue equivalent materials at intermediate and high energies, 10^2 - 10^5 eV. <i>Chemical Physics Letters</i> , 2006, 421, 439-443.	1.2	12
106	Electron attachment to the dipeptide dialanine: influence of methylation on site selective dissociation reactions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3834.	1.3	12
107	Cross sections for elastic scattering of electrons by CF ₃ Cl, CF ₂ Cl ₂ , and CFCI ₃ . <i>Journal of Chemical Physics</i> , 2013, 138, 214305.	1.2	12
108	An experimental and theoretical investigation into the electronically excited states of para-benzoquinone. <i>Journal of Chemical Physics</i> , 2017, 146, 184303.	1.2	12

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109	Electron Transfer Induced Decomposition in Potassium Nitroimidazoles Collisions: An Experimental and Theoretical Work. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6170.	1.8	12
110	Electron attachment studies to musk ketone and high mass resolution anionic isobaric fragment detection. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 123-129.	0.7	11
111	Electronic States of F_2CO as Studied by Electron Energy-Loss Spectroscopy and ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2708-2718.	1.1	11
112	Electron interaction with nitromethane embedded in helium droplets: Attachment and ionization measurements. <i>Journal of Chemical Physics</i> , 2011, 135, 174504.	1.2	11
113	Dissociative Electron Attachment to the Nitroamine HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine). <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 744-752.	1.2	11
114	Clustering and condensation effects in the electron scattering cross sections from water molecules. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 287-294.	0.7	11
115	Fragmentation pathways of tungsten hexacarbonyl clusters upon electron ionization. <i>Journal of Chemical Physics</i> , 2016, 145, 054301.	1.2	11
116	Theoretical and experimental differential cross sections for electron impact excitation of the electronic bands of furfural. <i>Journal of Chemical Physics</i> , 2016, 144, 124309.	1.2	11
117	Side chain effects in reactions of the potassium-tyrosine charge transfer complex. <i>Chemical Physics Letters</i> , 2016, 662, 19-24.	1.2	11
118	Electron-impact electronic-state excitation of <i>para</i> -benzoquinone. <i>Journal of Chemical Physics</i> , 2018, 148, 124312.	1.2	11
119	Negative ion formation through dissociative electron attachment to the group IV tetrachlorides: Carbon tetrachloride, silicon tetrachloride and germanium tetrachloride. <i>International Journal of Mass Spectrometry</i> , 2018, 426, 12-28.	0.7	11
120	Electron and photon induced processes in SF ₅ CF ₃ . <i>Radiation Physics and Chemistry</i> , 2003, 68, 193-197.	1.4	10
121	Valence and ionic lowest-lying electronic states of ethyl formate as studied by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy, and <i>ab initio</i> calculations. <i>Journal of Chemical Physics</i> , 2014, 141, 104311.	1.2	10
122	Multi-photon and electron impact ionisation studies of reactivity in adenine water clusters. <i>International Journal of Mass Spectrometry</i> , 2014, 365-366, 194-199.	0.7	10
123	Total electron scattering cross section from sevoflurane by 300 eV energy electron impact. <i>Chemical Physics Letters</i> , 2018, 706, 533-537.	1.2	10
124	Double and Triple Differential Cross Sections for Single Ionization of Benzene by Electron Impact. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4601.	1.8	10
125	VUV electronic state spectroscopy of 1,1-difluoroethene and difluorochloromethane by high resolution synchrotron radiation. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4766-4772.	1.3	9
126	Dissociative electron attachment to pentaerythritol tetranitrate: Significant fragmentation near 0 eV. <i>Journal of Chemical Physics</i> , 2010, 132, 134305.	1.2	9

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127	Electronic Excitation to Singlet States of 1,3-C ₄ F ₆ , c-C ₄ F ₆ and 2-C ₄ F ₆ by Electron Impact - Electron Energy-Loss Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2012, 116, 10529-10538.	1.1	9
128	Elastic differential cross sections for C ₄ F ₆ isomers in the 1.5–200 eV energy electron impact: Similarities with six fluorine containing molecules and evidence of F-atom like scattering. Journal of Chemical Physics, 2014, 141, 124302.	1.2	9
129	Electronic State Spectroscopy of Halothane As Studied by ab Initio Calculations, Vacuum Ultraviolet Synchrotron Radiation, and Electron Scattering Methods. Journal of Physical Chemistry A, 2015, 119, 8503-8511.	1.1	9
130	Threshold behavior in metastable dissociation of multi-photon ionized thymine and uracil. Chemical Physics Letters, 2017, 684, 233-238.	1.2	9
131	Electron transfer driven decomposition of adenine and selected analogs as probed by experimental and theoretical methods. Journal of Chemical Physics, 2018, 148, 134301.	1.2	9
132	Electron scattering cross sections from nitrobenzene in the energy range 0.4–1000 eV: the role of dipole interactions in measurements and calculations. Physical Chemistry Chemical Physics, 2020, 22, 13505-13515.	1.3	9
133	Formation of negative and positive ions in the radiosensitizer nimorazole upon low-energy electron collisions. Journal of Chemical Physics, 2021, 154, 074306.	1.2	9
134	Synchrotron Radiation UV-VUV Photoabsorption of Gas Phase Molecules. Bioanalysis, 2019, , 43-81.	0.1	9
135	Evaluation of Recommended Cross Sections for the Simulation of Electron Tracks in Water. Atoms, 2021, 9, 98.	0.7	9
136	The electronic states of 2-furanmethanol (furfuryl alcohol) studied by photon absorption and electron impact spectroscopies. Journal of Chemical Physics, 2003, 119, 7282-7288.	1.2	8
137	Electronic state spectroscopy of C ₂ Cl ₄ . Chemical Physics, 2009, 365, 150-157.	0.9	8
138	Stabilities of nanohydrated thymine radical cations: insights from multiphoton ionization experiments and ab Initio calculations. European Physical Journal D, 2017, 71, 1.	0.6	8
139	VUV photoabsorption by hexafluoropropene. Chemical Physics Letters, 2003, 379, 170-176.	1.2	7
140	Electron attachment to monomeric and dimeric forms of glycolaldehyde. Chemical Physics Letters, 2005, 401, 227-231.	1.2	7
141	Electronic State Spectroscopy of c-C ₅ F ₈ Explored by Photoabsorption, Electron Impact, Photoelectron Spectroscopies and Ab Initio Calculations. Journal of Physical Chemistry A, 2008, 112, 2782-2793.	1.1	7
142	Spectroscopic studies of ketones as a marker for patients with diabetes. Journal of Physics: Conference Series, 2008, 101, 012011.	0.3	7
143	Energy deposition model for I-125 photon radiation in water. European Physical Journal D, 2010, 60, 203-208.	0.6	7
144	Anion formation in gas-phase potassium uridine collisions. International Journal of Mass Spectrometry, 2014, 365-366, 243-247.	0.7	7

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145	Crossed-beam experiment for the scattering of low- and intermediate-energy electrons from BF ₃ : A comparative study with XF ₃ (X = C, N, and CH) molecules. <i>Journal of Chemical Physics</i> , 2015, 143, 024313.	1.2	7
146	Valence and lowest Rydberg electronic states of phenol investigated by synchrotron radiation and theoretical methods. <i>Journal of Chemical Physics</i> , 2016, 145, 034302.	1.2	7
147	Theoretical and experimental study on electron interactions with chlorobenzene: Shape resonances and differential cross sections. <i>Journal of Chemical Physics</i> , 2016, 145, 084311.	1.2	7
148	Communication: Site-selective bond excision of adenine upon electron transfer. <i>Journal of Chemical Physics</i> , 2018, 148, 021101.	1.2	7
149	Experimental electron-detachment cross sections for collisions of O^{2+} with N_2 molecules in the energy range 50–7000 eV. <i>Physical Review A</i> , 2019, 99, .	1.0	7
150	Combined Experimental and Theoretical Studies on Electron Transfer in Potassium Collisions with CCl ₄ . <i>Journal of Physical Chemistry A</i> , 2020, 124, 3220-3227.	1.1	7
151	Anionic states of C ₆ Cl ₆ probed in electron transfer experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 366-374.	1.3	7
152	Absolute photo-absorption cross sections and electronic state spectroscopy of selected fluorinated hydrocarbons relevant to the plasma processing industry. <i>Radiation Physics and Chemistry</i> , 2003, 68, 187-192.	1.4	6
153	BF ₃ Valence and Rydberg States As Probed by Electron Energy Loss Spectroscopy and <i>ab initio</i> Calculations. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10955-10966.	1.1	6
154	Radiation damage of biomolecular systems: Nano-scale insights into ion-beam cancer therapy. 2nd Nano-IBCT conference. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	6
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