

Paulo Lima-Vieira

List of Publications by Year in descending order

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236
papers

3,893
citations

147801
31
h-index

214800
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.	2.6	181
2	VUV photoabsorption in CF ₃ X (X=Cl, Br, I) fluoro-alkanes. Chemical Physics, 2006, 323, 313-333.	1.9	110
3	Modelling low energy electron and positron tracks for biomedical applications. International Journal of Radiation Biology, 2012, 88, 71-76.	1.8	80
4	Modelling low energy electron and positron tracks in biologically relevant media. European Physical Journal D, 2013, 67, 1.	1.3	78
5	Electron-scattering cross sections for collisions with tetrahydrofuran from 50 to 5000 eV. Physical Review A, 2009, 80, .	2.5	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.	4.2	71
7	VUV spectroscopy of CH ₃ Cl and CH ₃ I. Chemical Physics, 2007, 331, 232-244.	1.9	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.	4.2	69
9	Electron-scattering cross sections and stopping powers in H_2O . Physical Review A, 2007, 76, .	2.5	67
10	The VUV electronic spectroscopy of acetone studied by synchrotron radiation. Physical Chemistry Chemical Physics, 2008, 10, 550-560.	2.8	59
11	Total electron-scattering cross sections from pyrimidine as measured using a magnetically confined experimental system. Physical Review A, 2013, 88, .	2.5	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.	1.3	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.	2.8	53
14	Interpretation of the vacuum ultraviolet photoabsorption spectrum of iodobenzene by <i>ab initio</i> computations. Journal of Chemical Physics, 2015, 142, 134302.	3.0	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.	1.3	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, .	2.5	48
17	Low-energy electrons transform the nimorazole molecule into a radiosensitiser. Nature Communications, 2019, 10, 2388.	12.8	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.	1.5	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.	2.8	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.	3.0	44
21	Low energy electron attachment to CH ₃ CN. <i>Chemical Physics Letters</i> , 2003, 381, 216-222.	2.6	43
22	Selective Bond Cleavage in Potassium Collisions with Pyrimidine Bases of DNA. <i>Physical Review Letters</i> , 2013, 110, 023201.	7.8	43
23	Negative ion formation in potassium–nitromethane collisions. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12513.	2.8	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.	4.8	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.	3.0	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.	3.0	36
27	Electron–methane interaction model for the energy range 0.1–10000eV. <i>Chemical Physics Letters</i> , 2010, 486, 110-115.	2.6	34
28	Electron transfer-induced fragmentation of thymine and uracil in atom–molecule collisions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15657.	2.8	34
29	Low-energy electron scattering from pyrimidine: Similarities and differences with benzene. <i>Chemical Physics Letters</i> , 2012, 535, 30-34.	2.6	34
30	Differential cross sections for the electron impact excitation of pyrimidine. <i>Journal of Chemical Physics</i> , 2012, 137, 074304.	3.0	33
31	An investigation into electron scattering from pyrazine at intermediate and high energies. <i>Journal of Chemical Physics</i> , 2013, 139, 184310.	3.0	32
32	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	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.	2.6	30
34	Positive and negative ion formation via slow electron collisions with 5-bromouridine. <i>European Physical Journal D</i> , 2005, 35, 391-398.	1.3	29
35	Dissociative electron attachment to nitromethane. <i>International Journal of Mass Spectrometry</i> , 2008, 271, 15-21.	1.5	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.	2.8	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. Journal of Chemical Physics, 2011, 134, 134308.	3.0	29
38	Differential and integral electron scattering cross sections from tetrahydrofuran (THF) over a wide energy range: 1â€“10 000 eV. European Physical Journal D, 2014, 68, 1.	1.3	29
39	Electronic excitation of tetrafluoroethylene, C ₂ F ₄ . Chemical Physics, 2004, 297, 257-269.	1.9	28
40	Electron attachment and electron ionization of acetic acid clusters embedded in helium nanodroplets. Physical Chemistry Chemical Physics, 2009, 11, 11631.	2.8	28
41	A study of electron interactions with silicon tetrafluoride: elastic scattering and vibrational excitation cross sections. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 095204.	1.5	28
42	High resolution VUV photo-absorption cross-section for dimethylsulphide, (CH ₃) ₂ S. Chemical Physics Letters, 2002, 366, 343-349.	2.6	27
43	Electronic state spectroscopy of acetaldehyde, CH ₃ CHO, by high-resolution VUV photo-absorption. Chemical Physics Letters, 2003, 376, 737-747.	2.6	27
44	Limonene: electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, electron scattering, He(i) photoelectron spectroscopy and ab initio calculations. Physical Chemistry Chemical Physics, 2012, 14, 2056.	2.8	27
45	Total electron scattering cross sections from <i>para</i> -benzoquinone in the energy range 1â€“200 eV. Physical Chemistry Chemical Physics, 2018, 20, 22368-22378.	2.8	27
46	2-methyl furan: An experimental study of the excited electronic levels by electron energy loss spectroscopy, vacuum ultraviolet photoabsorption, and photoelectron spectroscopy. Journal of Chemical Physics, 2003, 119, 3670-3680.	3.0	25
47	Sensitization of 5-bromouridine by slow electrons. Chemical Physics Letters, 2004, 393, 442-447.	2.6	25
48	Electron transfer processes in potassium collisions with 5-fluorouracil and 5-chlorouracil. Physical Chemistry Chemical Physics, 2011, 13, 21621.	2.8	25
49	High resolution photo-absorption studies of acrylonitrile, C ₂ H ₃ CN, and acetonitrile, CH ₃ CN. European Physical Journal D, 2003, 26, 201-210.	1.3	24
50	Electron scattering cross sections for SF ₆ and SF ₅ CF ₃ at intermediate and high energies (100â€“10000 eV). Physical Review A, 2005, 71, .	2.5	24
51	Acetic acid electronic state spectroscopy by high-resolution vacuum ultraviolet photo-absorption, electron impact, He(I) photoelectron spectroscopy and ab initio calculations. Chemical Physics, 2006, 324, 339-349.	1.9	24
52	Valence shell electronic spectroscopy of isoprene studied by theoretical calculations and by electron scattering, photoelectron, and absolute photoabsorption measurements. Physical Chemistry Chemical Physics, 2009, 11, 11219.	2.8	24
53	Electron excitation of the Schumannâ€“Runge continuum, longest band, and second band electronic states in O ₂ . Journal of Chemical Physics, 2011, 134, 064311.	3.0	24
54	Electron- and photon-impact ionization of furfural. Journal of Chemical Physics, 2015, 143, 184310.	3.0	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.	4.1	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.	2.8	23
57	Differential cross sections for intermediate-energy electron scattering from $\hat{1}$ -tetrahydrofurfuryl alcohol: Excitation of electronic-states. <i>Journal of Chemical Physics</i> , 2014, 141, 024301.	3.0	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.	3.1	23
59	Temperature dependent high-resolution infrared photoabsorption cross-sections of trifluoromethyl sulphur pentafluoride. <i>Chemical Physics</i> , 2003, 287, 137-142.	1.9	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.	1.5	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 $\hat{3}B_1$ and $\hat{1}B_1$ states. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	22
63	Electron-Induced Dissociation of the Potential Radiosensitizer 5-Selenocyanato-2'-deoxyuridine. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1274-1282.	2.6	22
64	Modelling single positron tracks in Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 045207.	1.5	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.	3.0	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.	3.0	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.	1.3	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.	1.5	20
69	Electron impact ionisation and UV absorption study of $\hat{1}$ - and $\hat{2}$ -pinene. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 169-173.	1.5	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.	3.0	20
71	Magnetically confined electron beam system for high resolution electron transmission-beam experiments. <i>Review of Scientific Instruments</i> , 2018, 89, 063105.	1.3	20
72	Atmospheric chemistry with synchrotron radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, S893-S911.	1.5	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. Journal of Chemical Physics, 2015, 143, 144308.	3.0	19
74	Positive and negative ions of the amino acid histidine formed in low-energy electron collisions. Journal of Mass Spectrometry, 2019, 54, 802-816.	1.6	19
75	High resolution VUV photoabsorption cross section of dimethyl sulphoxide (CH ₃) ₂ SO. Chemical Physics, 2007, 331, 447-452.	1.9	18
76	Low energy electron transport in furfural. European Physical Journal D, 2017, 71, 1.	1.3	18
77	Current prospects on Low Energy Particle Track Simulation for biomedical applications. Applied Radiation and Isotopes, 2014, 83, 159-164.	1.5	17
78	Potassium-Uracil/Thymine Ring Cleavage Enhancement As Studied in Electron Transfer Experiments and Theoretical Calculations. Journal of Physical Chemistry A, 2014, 118, 6547-6552.	2.5	17
79	Cross sections for electron scattering from $\text{C}_4\text{H}_6\text{O}$ -tetrahydrofurfuryl alcohol. Chemical Physics Letters, 2014, 608, 161-166.	2.6	17
80	Electronic structure of hexafluorobenzene by high-resolution vacuum ultraviolet photo-absorption and He(I) photoelectron spectroscopy. Chemical Physics, 2006, 328, 183-189.	1.9	16
81	Energy deposition by a 106Ru/106Rh eye applicator simulated using LEPTS, a low-energy particle track simulation. Applied Radiation and Isotopes, 2011, 69, 1198-1204.	1.5	16
82	Electronic States of Tetrahydrofurfuryl Alcohol (THFA) As Studied by VUV Spectroscopy and Ab Initio Calculations. Journal of Physical Chemistry A, 2014, 118, 6425-6434.	2.5	16
83	Total electron scattering cross section from pyridine molecules in the energy range 10–1000 eV. Chemical Physics Letters, 2018, 699, 182-187.	2.6	16
84	Experimental and theoretical analysis for total electron scattering cross sections of benzene. Journal of Chemical Physics, 2019, 151, 084310.	3.0	16
85	Revisiting the photoabsorption spectrum of NH ₃ in the 5.4–10.8 eV energy region. Journal of Chemical Physics, 2019, 151, 184302.	3.0	16
86	Dissociative ion-pair formation in collisions of fast potassium atoms with benzene and fluorobenzene. Journal of Chemical Physics, 2006, 124, 054306.	3.0	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. Journal of Chemical Physics, 2009, 131, 144304.	3.0	15
88	Negative ion formation through dissociative electron attachment to GeH ₄ : Comparative studies with CH ₄ and SiH ₄ . International Journal of Mass Spectrometry, 2011, 306, 51-56.	1.5	15
89	Mass spectrometry of anions and cations produced in 4 keV H ⁺ , O ⁺ , and OH ⁺ collisions with nitromethane, water, ethanol, and methanol. International Journal of Mass Spectrometry, 2012, 311, 7-16.	1.5	15
90	Dynamic of negative ions in potassium-D-ribose collisions. Journal of Chemical Physics, 2013, 139, 114304.	3.0	15

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91	Electron Ionization of Imidazole and Its Derivative 2-Nitroimidazole. Journal of the American Society for Mass Spectrometry, 2019, 30, 2678-2691.	2.8	15
92	Low energy electron interaction with free and bound SF ₅ CF ₃ : Negative ion formation from single molecules, clusters and nanofilms. Journal of Chemical Physics, 2003, 119, 10396-10403.	3.0	14
93	Photoabsorption measurements and theoretical calculations of the electronic state spectroscopy of propionic, butyric, and valeric acids. Physical Chemistry Chemical Physics, 2009, 11, 5729.	2.8	14
94	A-band methyl halide dissociation via electronic curve crossing as studied by electron energy loss spectroscopy. Journal of Chemical Physics, 2010, 133, 054304.	3.0	14
95	Ion-Pair Formation in Neutral Potassium-Neutral Pyrimidine Collisions: Electron Transfer Experiments. Frontiers in Chemistry, 2019, 7, 264.	3.6	14
96	UV/Vis+ photochemistry database: Structure, content and applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 253, 107056.	2.3	14
97	Energy deposition model based on electron scattering cross section data from water molecules. Journal of Physics: Conference Series, 2008, 133, 012002.	0.4	13
98	Modelling low energy electron interactions for biomedical uses of radiation. Journal of Physics: Conference Series, 2009, 194, 012028.	0.4	13
99	Electron interactions with tetrahydrofuran. Journal of Physics: Conference Series, 2012, 373, 012010.	0.4	13
100	Anionic fragmentation of glycine upon potassium-molecule collisions. European Physical Journal D, 2012, 66, 1.	1.3	13
101	Intermediate-energy differential and integral cross sections for vibrational excitation in 1,4-tetrahydrofurfuryl alcohol. Journal of Chemical Physics, 2014, 140, 214306.	3.0	13
102	New Fragmentation Pathways in THF Collisions As Studied by Electron-Transfer Experiments: Negative Ion Formation. Journal of Physical Chemistry A, 2014, 118, 690-696.	2.5	13
103	Toluene Valence and Rydberg Excitations as Studied by <i>ab initio</i> Calculations and Vacuum Ultraviolet (VUV) Synchrotron Radiation. Journal of Physical Chemistry A, 2015, 119, 9059-9069.	2.5	13
104	Selective Bond Excision in Nitroimidazoles by Electron Transfer Experiments. Journal of Physical Chemistry A, 2019, 123, 4068-4073.	2.5	13
105	Inelastic scattering and stopping power of electrons in methane based tissue equivalent materials at intermediate and high energies, 10 ⁴ -10000eV. Chemical Physics Letters, 2006, 421, 439-443.	2.6	12
106	Electron attachment to the dipeptide dialanine: influence of methylation on site selective dissociation reactions. Physical Chemistry Chemical Physics, 2013, 15, 3834.	2.8	12
107	Cross sections for elastic scattering of electrons by CF ₃ Cl, CF ₂ Cl ₂ , and CFCI ₃ . Journal of Chemical Physics, 2013, 138, 214305.	3.0	12
108	An experimental and theoretical investigation into the electronically excited states of para-benzoquinone. Journal of Chemical Physics, 2017, 146, 184303.	3.0	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.	4.1	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.	1.5	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.	2.5	11
112	Electron interaction with nitromethane embedded in helium droplets: Attachment and ionization measurements. <i>Journal of Chemical Physics</i> , 2011, 135, 174504.	3.0	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.	2.8	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.	1.5	11
115	Fragmentation pathways of tungsten hexacarbonyl clusters upon electron ionization. <i>Journal of Chemical Physics</i> , 2016, 145, 054301.	3.0	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.	3.0	11
117	Side chain effects in reactions of the potassium-tyrosine charge transfer complex. <i>Chemical Physics Letters</i> , 2016, 662, 19-24.	2.6	11
118	Electron-impact electronic-state excitation of <i>para</i> -benzoquinone. <i>Journal of Chemical Physics</i> , 2018, 148, 124312.	3.0	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.	1.5	11
120	Electron and photon induced processes in SF ₅ CF ₃ . <i>Radiation Physics and Chemistry</i> , 2003, 68, 193-197.	2.8	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.	3.0	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.	1.5	10
123	Total electron scattering cross section from sevoflurane by 1–300 eV energy electron impact. <i>Chemical Physics Letters</i> , 2018, 706, 533-537.	2.6	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.	4.1	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.	2.8	9
126	Dissociative electron attachment to pentaerythritol tetranitrate: Significant fragmentation near 0 eV. <i>Journal of Chemical Physics</i> , 2010, 132, 134305.	3.0	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.	2.5	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.	3.0	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.	2.5	9
130	Threshold behavior in metastable dissociation of multi-photon ionized thymine and uracil. Chemical Physics Letters, 2017, 684, 233-238.	2.6	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.	3.0	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.	2.8	9
133	Formation of negative and positive ions in the radiosensitizer nimorazole upon low-energy electron collisions. Journal of Chemical Physics, 2021, 154, 074306.	3.0	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.	1.6	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.	3.0	8
137	Electronic state spectroscopy of C ₂ Cl ₄ . Chemical Physics, 2009, 365, 150-157.	1.9	8
138	Stabilities of nanohydrated thymine radical cations: insights from multiphoton ionization experiments and ab Initio calculations. European Physical Journal D, 2017, 71, 1.	1.3	8
139	VUV photoabsorption by hexafluoropropene. Chemical Physics Letters, 2003, 379, 170-176.	2.6	7
140	Electron attachment to monomeric and dimeric forms of glycolaldehyde. Chemical Physics Letters, 2005, 401, 227-231.	2.6	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.	2.5	7
142	Spectroscopic studies of ketones as a marker for patients with diabetes. Journal of Physics: Conference Series, 2008, 101, 012011.	0.4	7
143	Energy deposition model for I-125 photon radiation in water. European Physical Journal D, 2010, 60, 203-208.	1.3	7
144	Anion formation in gas-phase potassium–uridine collisions. International Journal of Mass Spectrometry, 2014, 365-366, 243-247.	1.5	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. Journal of Chemical Physics, 2015, 143, 024313.	3.0	7
146	Valence and lowest Rydberg electronic states of phenol investigated by synchrotron radiation and theoretical methods. Journal of Chemical Physics, 2016, 145, 034302.	3.0	7
147	Theoretical and experimental study on electron interactions with chlorobenzene: Shape resonances and differential cross sections. Journal of Chemical Physics, 2016, 145, 084311.	3.0	7
148	Communication: Site-selective bond excision of adenine upon electron transfer. Journal of Chemical Physics, 2018, 148, 021101.	3.0	7
149	Experimental electron-detachment cross sections for collisions of O^{2+} with N_2 molecules in the energy range 50–7000 eV. Physical Review A, 2019, 99, .	2.5	7
150	Combined Experimental and Theoretical Studies on Electron Transfer in Potassium Collisions with CCl ₄ . Journal of Physical Chemistry A, 2020, 124, 3220-3227.	2.5	7
151	Anionic states of C ₆ Cl ₆ probed in electron transfer experiments. Physical Chemistry Chemical Physics, 2021, 24, 366-374.	2.8	7
152	Absolute photo-absorption cross sections and electronic state spectroscopy of selected fluorinated hydrocarbons relevant to the plasma processing industry. Radiation Physics and Chemistry, 2003, 68, 187-192.	2.8	6
153	BF ₃ Valence and Rydberg States As Probed by Electron Energy Loss Spectroscopy and <i>ab Initio</i> Calculations. Journal of Physical Chemistry A, 2014, 118, 10955-10966.	2.5	6
154	Radiation damage of biomolecular systems: Nano-scale insights into Ion-beam cancer therapy. 2nd Nano-IBCT conference. European Physical Journal D, 2014, 68, 1.	1.3	6
155	Negative ion formation through dissociative electron attachment to the group IV tetrabromides: Carbon tetrabromide, silicon tetrabromide and germanium tetrabromide. International Journal of Mass Spectrometry, 2014, 365-366, 275-280.	1.5	6
156	Electron transfer to aliphatic amino acids in neutral potassium collisions. International Journal of Mass Spectrometry, 2014, 365-366, 238-242.	1.5	6
157	Complete ligand loss in electron ionization of the weakly bound organometallic tungsten hexacarbonyl dimer. Physical Chemistry Chemical Physics, 2016, 18, 9893-9896.	2.8	6
158	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
159	VUV photo-absorption spectroscopy of vinyl chloride studied by high resolution synchrotron radiation. Chemical Physics, 2006, 330, 265-274.	1.9	5
160	Perfluorocyclobutane electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, electron impact, Helphotoelectron spectroscopy, and <i>ab initio</i> calculations. Physical Review A, 2007, 76, .	2.5	5
161	Dissociative electron attachment to carbonyl fluoride, F ₂ CO. International Journal of Mass Spectrometry, 2011, 303, 125-128.	1.5	5
162	Studies of low-lying triplet states in 1,3-C ₄ F ₆ , c-C ₄ F ₆ and 2-C ₄ F ₆ by electron energy-loss spectroscopy and <i>ab initio</i> calculations. Chemical Physics Letters, 2013, 574, 32-36.	2.6	5

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