Paulo LimÃ£o-Vieira

List of Publications by Year
in descending order

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236	3,893	147566	214527
papers	citations	31 h-index	47 g-index

238	238	238	2630
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Total Electron Detachment and Induced Cationic Fragmentation Cross Sections for Superoxide Anion (O2â^') Collisions with Benzene (C6H6) Molecules. International Journal of Molecular Sciences, 2022, 23, 1266.	1.8	1
2	Methanol Negative Ion Fragmentation Probed in Electron Transfer Experiments. Journal of Physical Chemistry A, 2022, , .	1.1	2
3	Molecular collisions, photoionization and dynamics: honouring Professor Vincent McKoy. European Physical Journal D, 2022, 76, 1.	0.6	1
4	Low-lying electronic states of ethanol investigated by theoretical and synchrotron radiation methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 285, 108170.	1.1	1
5	Bound Electron Enhanced Radiosensitisation of Nimorazole upon Charge Transfer. Molecules, 2022, 27, 4134.	1.7	1
6	Electron-impact ionization cross sections of small molecules containing Fe and Cr ^{â^—}. Journal of Physics Condensed Matter, 2022, 34, 374001.	0.7	0
7	Thermal desorption effects on fragment ion production from multi-photon ionized uridine and selected analogues. RSC Advances, 2021, 11, 20612-20621.	1.7	5
8	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
9	Electron-Transfer-Induced Side-Chain Cleavage in Tryptophan Facilitated through Potassium-Induced Transition-State Stabilization in the Gas Phase. Journal of Physical Chemistry A, 2021, 125, 2324-2333.	1.1	3
10	Double and Triple Differential Cross Sections for Single Ionization of Benzene by Electron Impact. International Journal of Molecular Sciences, 2021, 22, 4601.	1.8	10
11	Electronic structure and reactivity of tirapazamine as a radiosensitizer. Journal of Molecular Modeling, 2021, 27, 177.	0.8	2
12	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	0.6	32
13	A combined experimental and theoretical study of the lowest-lying valence, Rydberg and ionic electronic states of 2,4,6-trichloroanisole. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 271, 107751.	1.1	0
14	Evaluation of Recommended Cross Sections for the Simulation of Electron Tracks in Water. Atoms, 2021, 9, 98.	0.7	9
15	$$hbox {Cl}^{-}$$ kinetic-energy release distributions from chlorobenzene and related molecules in electron transfer experiments. European Physical Journal D, 2021, 75, 1.	0.6	3
16	Unexpected benzene oxidation in collisions with superoxide anions. Scientific Reports, 2021, 11, 23125.	1.6	4
17	Anionic states of C₆Cl₆ probed in electron transfer experiments. Physical Chemistry Chemical Physics, 2021, 24, 366-374.	1.3	7
18	A complete data set for the simulation of electron transport through gaseous tetrahydrofuran in the energy range 1â€“100 $$hbox {eV}$$. European Physical Journal D, 2021, 75, 1.	0.6	21

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19	A Complete Cross Section Data Set for Electron Scattering by Pyridine: Modelling Electron Transport in the Energy Range 0â€“100 eV. International Journal of Molecular Sciences, 2020, 21, 6947.	1.8	24
20	Selective bond breaking of halothane induced by electron transfer in potassium collisions. Physical Chemistry Chemical Physics, 2020, 22, 23837-23846.	1.3	3
21	Absolute Photoabsorption Cross-Sections of Methanol for Terrestrial and Astrophysical Relevance. Journal of Physical Chemistry A, 2020, 124, 8496-8508.	1.1	5
22	Electron transfer to phenyl boronic acid upon potassium collisions. Journal of Physics: Conference Series, 2020, 1412, 052002.	0.3	0
23	Electron scattering cross sections from nitrobenzene in the energy range 0.4â€“1000 eV: the role of dipole interactions in measurements and calculations. Physical Chemistry Chemical Physics, 2020, 22, 13505-13515.	1.3	9
24	The electronic excited states of dichloromethane in the 5.8-10.8 eV energy range investigated by experimental and theoretical methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 253, 107172.	1.1	3
25	Combined Experimental and Theoretical Studies on Electron Transfer in Potassium Collisions with CCl₄. Journal of Physical Chemistry A, 2020, 124, 3220-3227.	1.1	7
26	On the electronic structure of methyl butyrate and methyl valerate. European Physical Journal D, 2020, 74, 1.	0.6	1
27	UV/Vis+ photochemistry database: Structure, content and applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 253, 107056.	1.1	14
28	Theoretical and experimental cross sections for electron scattering from halothane. European Physical Journal D, 2019, 73, 1.	0.6	4
29	Electron Ionization of Imidazole and Its Derivative 2-Nitroimidazole. Journal of the American Society for Mass Spectrometry, 2019, 30, 2678-2691.	1.2	15
30	Positive and negative ions of the amino acid histidine formed in lowâ€energy electron collisions. Journal of Mass Spectrometry, 2019, 54, 802-816.	0.7	19
31	Experimental and theoretical analysis for total electron scattering cross sections of benzene. Journal of Chemical Physics, 2019, 151, 084310.	1.2	16
32	Electron-Induced Dissociation of the Potential Radiosensitizer 5-Selenocyanato-2â€²-deoxyuridine. Journal of Physical Chemistry B, 2019, 123, 1274-1282.	1.2	22
33	Experimental electron-detachment cross sections for collisions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow><mml:mo>â^’</mml:mo></mml:msup></mml:math> with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> molecules in the energy range 50â€“7000 eV. Physical Review A, 2019, 99, .	1.0	7
34	Low-energy electrons transform the nimorazole molecule into a radiosensitiser. Nature Communications, 2019, 10, 2388.	5.8	48
35	Mapping the complex metastable fragmentation pathways of excited 3-aminophenol+. International Journal of Mass Spectrometry, 2019, 442, 95-101.	0.7	2
36	Selective Bond Excision in Nitroimidazoles by Electron Transfer Experiments. Journal of Physical Chemistry A, 2019, 123, 4068-4073.	1.1	13

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37	Ion-Pair Formation in Neutral Potassium-Neutral Pyrimidine Collisions: Electron Transfer Experiments. Frontiers in Chemistry, 2019, 7, 264.	1.8	14
38	Electronic structure and VUV photoabsorption measurements of thiophene. Journal of Chemical Physics, 2019, 150, 064303.	1.2	4
39	The Role of Electron Transfer in the Fragmentation of Phenyl and Cyclohexyl Boronic Acids. International Journal of Molecular Sciences, 2019, 20, 5578.	1.8	6
40	Revisiting the photoabsorption spectrum of NH3 in the 5.4â€“10.8 eV energy region. Journal of Chemical Physics, 2019, 151, 184302.	1.2	16
41	Electron Transfer Induced Decomposition in Potassiumâ€“Nitroimidazoles Collisions: An Experimental and Theoretical Work. International Journal of Molecular Sciences, 2019, 20, 6170.	1.8	12
42	The lowest-lying electronic states of isoflurane and sevoflurane in the 5.0â€“10.8â€¯eV energy range investigated by experimental and theoretical methods. Chemical Physics Letters, 2019, 716, 42-48.	1.2	2
43	Charge Transfer Processes in Key Biological Systems. Bioanalysis, 2019, , 329-348.	0.1	1
44	Synchrotron Radiation UV-VUV Photoabsorption of Gas Phase Molecules. Bioanalysis, 2019, , 43-81.	0.1	9
45	Radiobiological Effects Induced by X-ray (LINAC) Irradiation: Experiments and Modelling. Bioanalysis, 2019, , 367-397.	0.1	0
46	Electron-impact electronic-state excitation of para-benzoquinone. Journal of Chemical Physics, 2018, 148, 124312.	1.2	11
47	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
48	Experimental and theoretical electron-scattering cross-section data for dichloromethane. Physical Review A, 2018, 97, .	1.0	5
49	Communication: Site-selective bond excision of adenine upon electron transfer. Journal of Chemical Physics, 2018, 148, 021101.	1.2	7
50	Negative ion formation through dissociative electron attachment to the group IV tetrachlorides: Carbon tetrachloride, silicon tetrachloride and germanium tetrachloride. International Journal of Mass Spectrometry, 2018, 426, 12-28.	0.7	11
51	Total electron scattering cross section from pyridine molecules in the energy range 10â€“1000â€¯eV. Chemical Physics Letters, 2018, 699, 182-187.	1.2	16
52	Probing the Lowest-Lying Electronic States of Acrylic Acid by Experimental and Theoretical Methods. Journal of Physical Chemistry A, 2018, 122, 8191-8197.	1.1	1
53	Total electron scattering cross section from sevoflurane by 1â€“300â€¯eV energy electron impact. Chemical Physics Letters, 2018, 706, 533-537.	1.2	10
54	Total electron scattering cross sections from para-benzoquinone in the energy range 1â€“200 eV. Physical Chemistry Chemical Physics, 2018, 20, 22368-22378.	1.3	27

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55	Magnetically confined electron beam system for high resolution electron transmission-beam experiments. Review of Scientific Instruments, 2018, 89, 063105.	0.6	20
56	An experimental and theoretical investigation into the electronically excited states of para-benzoquinone. Journal of Chemical Physics, 2017, 146, 184303.	1.2	12
57	Stabilities of nanohydrated thymine radical cations: insights from multiphoton ionization experiments and abÂinitio calculations. European Physical Journal D, 2017, 71, 1.	0.6	8
58	Low energy electron transport in furfural. European Physical Journal D, 2017, 71, 1.	0.6	18
59	Elastic Differential Cross Sections for Electron Scattering with Dichloromethane. Journal of Physics: Conference Series, 2017, 875, 062036.	0.3	0
60	Photoelectron spectroscopy of a series of acetate and propionate esters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 206-214.	1.1	2
61	Experimental scaling of plane-Born cross sections and ab initio assignments for electron-impact excitation and dissociation of XF4 (X = C, Si, and Ge) molecules. Journal of Chemical Physics, 2017, 146, 144306.	1.2	2
62	Electron transfer processes in potassium collision with nitroimidazoles: the role of methylation at N1 site. Journal of Physics: Conference Series, 2017, 875, 052035.	0.3	0
63	Threshold behavior in metastable dissociation of multi-photon ionized thymine and uracil. Chemical Physics Letters, 2017, 684, 233-238.	1.2	9
64	Electron scattering cross section data for tungsten and beryllium atoms from 0.1 to 5000 eV. Plasma Sources Science and Technology, 2017, 26, 085004.	1.3	23
65	Isobutyl acetate: electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy and abÂinitio calculations. European Physical Journal D, 2017, 71, 1.	0.6	3
66	Unravelling the dissociation pathways of acetic acid upon electron transfer in potassium collisions: experimental and theoretical studies. Physical Chemistry Chemical Physics, 2017, 19, 1083-1088.	1.3	5
67	Electron-transfer studies in potassium collisions with tetrachloromethane. Journal of Physics: Conference Series, 2017, 875, 102015.	0.3	0
68	Comprehensive investigation of the electronic excitation of W(CO)6 by photoabsorption and theoretical analysis in the energy region from 3.9 to 10.8 eV. Beilstein Journal of Nanotechnology, 2017, 8, 2208-2218.	1.5	5
69	Valence and lowest Rydberg electronic states of phenol investigated by synchrotron radiation and theoretical methods. Journal of Chemical Physics, 2016, 145, 034302.	1.2	7
70	Theoretical and experimental study on electron interactions with chlorobenzene: Shape resonances and differential cross sections. Journal of Chemical Physics, 2016, 145, 084311.	1.2	7
71	Fragmentation pathways of tungsten hexacarbonyl clusters upon electron ionization. Journal of Chemical Physics, 2016, 145, 054301.	1.2	11
72	Theoretical and experimental differential cross sections for electron impact excitation of the electronic bands of furfural. Journal of Chemical Physics, 2016, 144, 124309.	1.2	11

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73	Change in resonance parameters of a linear molecule as it bends: Evidence in electron-impact vibrational transitions of hot COS and CO2 molecules*. European Physical Journal D, 2016, 70, 1.	0.6	2
74	Measuring electron-impact cross sections of water: elastic scattering and electronic excitation of the Ã£3B1 and Ãƒ1B1 states. European Physical Journal D, 2016, 70, 1.	0.6	22
75	Electronic state spectroscopy by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy and ab initio calculations of ethyl acetate. European Physical Journal D, 2016, 70, 1.	0.6	5
76	Side chain effects in reactions of the potassium-tyrosine charge transfer complex. Chemical Physics Letters, 2016, 662, 19-24.	1.2	11
77	Combined experimental and theoretical study on the differential elastic scattering cross sections for acetone by electron impact energy of 7.0â€“50 eV. Physical Review A, 2016, 93, .	1.0	5
78	Kinetic-energy release distributions of fragment anions from collisions of potassium atoms with D-Ribose and tetrahydrofuran. European Physical Journal D, 2016, 70, 1.	0.6	3
79	Studies on GeF₄ Valence and Rydberg States by Electron Impact Spectroscopy and Ab Initio Calculations. Journal of Physical Chemistry A, 2016, 120, 9170-9177.	1.1	2
80	Advances in positron and electron scattering*. European Physical Journal D, 2016, 70, 1.	0.6	2
81	Valence and Rydberg Excitations of 2,4- and 2,6-Difluorotoluene as Studied by Vacuum Ultraviolet Synchrotron Radiation and ab Initio Calculations. Journal of Physical Chemistry A, 2016, 120, 8998-9007.	1.1	2
82	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
83	Complete ligand loss in electron ionization of the weakly bound organometallic tungsten hexacarbonyl dimer. Physical Chemistry Chemical Physics, 2016, 18, 9893-9896.	1.3	6
84	Complex internal rearrangement processes triggered by electron transfer to acetic acid. Journal of Physics: Conference Series, 2015, 635, 012002.	0.3	0
85	Electronic excitation of furfural as probed by high-resolution vacuum ultraviolet spectroscopy, electron energy loss spectroscopy, and ab initio calculations. Journal of Chemical Physics, 2015, 143, 144308.	1.2	19
86	Electron- and photon-impact ionization of furfural. Journal of Chemical Physics, 2015, 143, 184310.	1.2	24
87	Crossed-beam experiment for the scattering of low- and intermediate-energy electrons from BF3: A comparative study with XF3 (X = C, N, and CH) molecules. Journal of Chemical Physics, 2015, 143, 024313.	1.2	7
88	Temperature dependence on VUV-absorption cross sections of CO2 molecule in the energy region of 10.6 â€“ 11.8 eV. Journal of Physics: Conference Series, 2015, 635, 112055.	0.3	0
89	Valence and Ionic Lowest-Lying Electronic States of Isobutyl Formate Studied by High-Resolution Vacuum Ultraviolet Photoabsorption, Photoelectron Spectroscopy, and Ab Initio Calculations. Journal of Physical Chemistry A, 2015, 119, 8647-8656.	1.1	5
90	Novel experimental setup for time-of-flight mass spectrometry ion detection in collisions of anionic species with neutral gas-phase molecular targets. EPJ Techniques and Instrumentation, 2015, 2, 13.	0.5	5

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91	Modeling secondary particle tracks generated by high-energy protons in water. Journal of Physics: Conference Series, 2015, 635, 032092.	0.3	1
92	Electron induced fragmentation of sulphur containing biological prototypes: thiaproline and taurine. Journal of Physics: Conference Series, 2015, 635, 072069.	0.3	1
93	Electronic excitation to low-lying states of GeF4molecule by electron impact: A comparative study with CF4and SiF4molecules. Journal of Physics: Conference Series, 2015, 635, 072041.	0.3	0
94	Cross sections for electron collisions with H₂O: elastic scattering and electronic excitation for the Ã£³B₁and Ãƒ¹B₁states. Journal of Physics: Conference Series, 2015, 635, 072042.	0.3	0
95	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. Journal of Chemical Physics, 2015, 142, 064303.	1.2	21
96	Interpretation of the vacuum ultraviolet photoabsorption spectrum of iodobenzene by ab initio computations. Journal of Chemical Physics, 2015, 142, 134302.	1.2	51
97	Electron collisions with phenol: Total, integral, differential, and momentum transfer cross sections and the role of multichannel coupling effects on the elastic channel. Journal of Chemical Physics, 2015, 142, 104304.	1.2	44
98	Dissociative electron attachment to the volatile anaesthetics enflurane and isoflurane and the chlorinated ethanes pentachloroethane and hexachloroethane. International Journal of Mass Spectrometry, 2015, 379, 179-186.	0.7	5
99	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
100	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
101	Toluene Valence and Rydberg Excitations as Studied by ab initio Calculations and Vacuum Ultraviolet (VUV) Synchrotron Radiation. Journal of Physical Chemistry A, 2015, 119, 9059-9069.	1.1	13
102	Electron and positron induced processes. POSMOL 2013. European Physical Journal D, 2014, 68, 1.	0.6	2
103	Recent progress in electron scattering from atoms and molecules. , 2014, , .		2
104	CNOâ^' formation through selective bond cleavage. Journal of Physics: Conference Series, 2014, 488, 102018.	0.3	0
105	BF₃ Valence and Rydberg States As Probed by Electron Energy Loss Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2014, 118, 10955-10966.	1.1	6
106	Elastic differential cross sections for C4F6 isomers in the 1.5â€“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
107	Valence and ionic lowest-lying electronic states of ethyl formate as studied by high-resolution vacuum ultraviolet photoabsorption, He(I) photoelectron spectroscopy, and ab initio calculations. Journal of Chemical Physics, 2014, 141, 104311.	1.2	10
108	Radiation damage of biomolecular systems: Nano-scale insights into Ion-beam cancer therapy. 2nd Nano-IBCT conference. European Physical Journal D, 2014, 68, 1.	0.6	6

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109	Low-energy electron interactions with dimethyl disulphide. Chemical Physics Letters, 2014, 605-606, 71-76.	1.2	3
110	Anion formation in gas-phase potassiumâ€“uridine collisions. International Journal of Mass Spectrometry, 2014, 365-366, 243-247.	0.7	7
111	Multi-photon and electron impact ionisation studies of reactivity in adenineâ€“water clusters. International Journal of Mass Spectrometry, 2014, 365-366, 194-199.	0.7	10
112	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
113	Electron transfer induced fragmentation of acetic acid. Journal of Physics: Conference Series, 2014, 488, 052020.	0.3	0
114	Differential cross sections for intermediate-energy electron scattering from Î±-tetrahydrofurfuryl alcohol: Excitation of electronic-states. Journal of Chemical Physics, 2014, 141, 024301.	1.2	23
115	Electronic States of Tetrahydrofurfuryl Alcohol (THFA) As Studied by VUV Spectroscopy and Ab Initio Calculations. Journal of Physical Chemistry A, 2014, 118, 6425-6434.	1.1	16
116	Intermediate-energy differential and integral cross sections for vibrational excitation in Î±-tetrahydrofurfuryl alcohol. Journal of Chemical Physics, 2014, 140, 214306.	1.2	13
117	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.	0.6	29
118	New Fragmentation Pathways in Kâ€“THF Collisions As Studied by Electron-Transfer Experiments: Negative Ion Formation. Journal of Physical Chemistry A, 2014, 118, 690-696.	1.1	13
119	Current prospects on Low Energy Particle Track Simulation for biomedical applications. Applied Radiation and Isotopes, 2014, 83, 159-164.	0.7	17
120	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.	0.7	6
121	Electron transfer to aliphatic amino acids in neutral potassium collisions. International Journal of Mass Spectrometry, 2014, 365-366, 238-242.	0.7	6
122	Clustering and condensation effects in the electron scattering cross sections from water molecules. International Journal of Mass Spectrometry, 2014, 365-366, 287-294.	0.7	11
123	Potassium-Uracil/Thymine Ring Cleavage Enhancement As Studied in Electron Transfer Experiments and Theoretical Calculations. Journal of Physical Chemistry A, 2014, 118, 6547-6552.	1.1	17
124	Cross sections for electron scattering from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si15.gif" overflow="scroll"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>-tetrahydrofurfuryl alcohol. Chemical Physics Letters, 2014, 608, 161-166.	1.2	17
125	Total electron scattering cross sections for pyrimidine and pyrazine as measured using a magnetically confined experimental system. Journal of Physics: Conference Series, 2014, 488, 012048.	0.3	0
126	Negative ion chemistry of Deoxyribose and THF upon potassium atom collisions. Journal of Physics: Conference Series, 2014, 488, 012043.	0.3	1

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127	The role of side chains in electron transfer induced fragmentation of amino-acids. Journal of Physics: Conference Series, 2014, 488, 052021.	0.3	0
128	Electron scattering from pyrimidine. Journal of Physics: Conference Series, 2014, 488, 052022.	0.3	0
129	Dissociative Electron Attachment to the Nitroamine HMX (Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine). Journal of the American Society for Mass Spectrometry, 2013, 24, 744-752.	1.2	11
130	Modelling low energy electron and positron tracks in biologically relevant media. European Physical Journal D, 2013, 67, 1.	0.6	78
131	Study of the one dimensional and transient bioheat transfer equation: Multi-layer solution development and applications. International Journal of Heat and Mass Transfer, 2013, 62, 153-162.	2.5	39
132	Negative ion formation through dissociative electron attachment to the group IV tetrafluorides: Carbon tetrafluoride, silicon tetrafluoride and germanium tetrafluoride. International Journal of Mass Spectrometry, 2013, 339-340, 45-53.	0.7	22
133	Electron attachment to the dipeptide dialanine: influence of methylation on site selective dissociation reactions. Physical Chemistry Chemical Physics, 2013, 15, 3834.	1.3	12
134	N-site de-methylation in pyrimidine bases as studied by low energy electrons and ab initio calculations. Physical Chemistry Chemical Physics, 2013, 15, 11431.	1.3	23
135	Studies of low-lying triplet states in 1,3-C4F6, c-C4F6 and 2-C4F6 by electron energy-loss spectroscopy and ab initio calculations. Chemical Physics Letters, 2013, 574, 32-36.	1.2	5
136	NCO^{â€“}, 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
137	Dynamic of negative ions in potassium-D-ribose collisions. Journal of Chemical Physics, 2013, 139, 114304.	1.2	15
138	Cross sections for elastic scattering of electrons by CF3Cl, CF2Cl2, and CFCl3. Journal of Chemical Physics, 2013, 138, 214305.	1.2	12
139	Numerical 3D modeling of heat transfer in human tissues for microwave radiometry monitoring of brown fat metabolism. Proceedings of SPIE, 2013, 8584, .	0.8	22
140	An investigation into electron scattering from pyrazine at intermediate and high energies. Journal of Chemical Physics, 2013, 139, 184310.	1.2	32
141	Total electron-scattering cross sections from pyrimidine as measured using a magnetically confined experimental system. Physical Review A, 2013, 88, .	1.0	56
142	A comprehensive and comparative study of elastic electron scattering from OCS and CS2 in the energy region from 1.2 to 200 eV. Journal of Chemical Physics, 2013, 138, 054302.	1.2	21
143	Selective Bond Cleavage in Potassium Collisions with Pyrimidine Bases of DNA. Physical Review Letters, 2013, 110, 023201.	2.9	43
144	Multi-photon ionization and fragmentation of uracil: Neutral excited-state ring opening and hydration effects. Journal of Chemical Physics, 2013, 139, 244311.	1.2	36

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145	Modelling low energy electron and positron tracks for biomedical applications. International Journal of Radiation Biology, 2012, 88, 71-76.	1.0	80
146	Site- and bond-selective H⁻formation in methylated pyrimidine bases driven by potassium-molecule collisions. Journal of Physics: Conference Series, 2012, 388, 012040.	0.3	1
147	Electron scattering from tetrahydrofuran. Journal of Physics: Conference Series, 2012, 388, 052077.	0.3	0
148	Electronic excitation of C4F6isomers by electron impact. Journal of Physics: Conference Series, 2012, 388, 052050.	0.3	0
149	Modelling low energy electron and positron tracks for biomedical applications. Journal of Physics: Conference Series, 2012, 388, 052081.	0.3	0
150	Site and bond selective H^{â^'}formation in methylated pyrimidine bases driven by potassium molecule collisions. Journal of Physics: Conference Series, 2012, 388, 102032.	0.3	0
151	Absolute differential and integral cross sections for CCl4molecules by low energy electron impact. Journal of Physics: Conference Series, 2012, 388, 052022.	0.3	0
152	Electron interactions with tetrahydrofuran. Journal of Physics: Conference Series, 2012, 373, 012010.	0.3	13
153	Demethylation enhancement of 3-methyl-uracil and 1-methyl-thymine in atom-molecule collisions. Journal of Physics: Conference Series, 2012, 388, 102031.	0.3	0
154	Elastic cross sections for electron scattering from GeF4: Predominance of atomic-F in the high-energy collision dynamics. Journal of Chemical Physics, 2012, 136, 134313.	1.2	38
155	Differential cross sections for the electron impact excitation of pyrimidine. Journal of Chemical Physics, 2012, 137, 074304.	1.2	33
156	High resolution photoabsorption spectrum of hexafluoro-1,3-butadiene (1,3-C4F6) as studied by vacuum ultraviolet (VUV) synchrotron radiation. Chemical Physics Letters, 2012, 550, 62-66.	1.2	4
157	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.	1.3	27
158	Electronic Excitation to Singlet States of 1,3-C₄F₆, c-C₄F₆ and 2-C₄F₆ by Electron Impact - Electron Energy-Loss Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2012, 116, 10529-10538.	1.1	9
159	Anionic fragmentation of glycine upon potassium-molecule collisions. European Physical Journal D, 2012, 66, 1.	0.6	13
160	Modelling single positron tracks in Ar. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 045207.	0.6	21
161	Cross section data sets for electron collisions with H2, O2, CO, CO2, N2O and H2O. European Physical Journal D, 2012, 66, 1.	0.6	55
162	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.	0.6	28

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163	Electronic State Spectroscopy of 1,4-Pentadiene As Studied by VUV Photoabsorption Spectroscopy and ab Initio Calculations. Journal of Physical Chemistry A, 2012, 116, 8176-8184.	1.1	3
164	Low-energy electron scattering from pyrimidine: Similarities and differences with benzene. Chemical Physics Letters, 2012, 535, 30-34.	1.2	34
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