

Gustavo Garcia

List of Publications by Year in descending order

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275
papers

5,160
citations

108046

37
h-index

182931

54
g-index

276
all docs

276
docs citations

276
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Electron Detachment and Induced Cationic Fragmentation Cross Sections for Superoxide Anion (O ₂ ⁻) Collisions with Benzene (C ₆ H ₆) Molecules. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1266.	1.8	1
2	Methanol Negative Ion Fragmentation Probed in Electron Transfer Experiments. <i>Journal of Physical Chemistry A</i> , 2022, , .	1.1	2
3	Absolute Differential Cross-Sections for Elastic Electron Scattering from Sevoflurane Molecule in the Energy Range from 50 to 300 eV. <i>International Journal of Molecular Sciences</i> , 2022, 23, 21.	1.8	2
4	Dynamics of Ring-Cleavage Reactions in Temozolomide Induced by Low-Energy Electron Attachment. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	2
5	Bound Electron Enhanced Radiosensitisation of Nimorazole upon Charge Transfer. <i>Molecules</i> , 2022, 27, 4134.	1.7	1
6	An improved set of electron-THFA cross sections refined through a neural network-based analysis of swarm data. <i>Journal of Chemical Physics</i> , 2021, 154, 084306.	1.2	7
7	Recommended Cross Sections for Electron-Indium Scattering. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50, .	1.9	6
8	Electron-Transfer-Induced Side-Chain Cleavage in Tryptophan Facilitated through Potassium-Induced Transition-State Stabilization in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2324-2333.	1.1	3
9	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
10	Electron impact ionization of R-carvone: III. Absolute total ionization cross sections. <i>International Journal of Mass Spectrometry</i> , 2021, 464, 116556.	0.7	4
11	Positron Scattering from the Group IIB Metals Zinc and Cadmium: Recommended Cross Sections and Transport Simulations. <i>Journal of Physical and Chemical Reference Data</i> , 2021, 50, .	1.9	4
12	Electron-impact excitation of the (4d105s)S1/22 ⁺ (4d95s2)D3/22 and (4d105s)S1/22 ⁺ (4d106s)S1/22 transitions in silver: Experiment and theory. <i>Physical Review A</i> , 2021, 104, .	1.0	3
13	Absolute partial ionization cross sections for electron impact of R-carvone from threshold to 100 eV. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	4
14	A dynamical (e,2e) investigation into the ionization of pyrazine. <i>Chemical Physics Letters</i> , 2021, 781, 139000.	1.2	1
15	Positron scattering from pyrazine. <i>Physical Review A</i> , 2021, 104, .	1.0	7
16	Evaluation of Recommended Cross Sections for the Simulation of Electron Tracks in Water. <i>Atoms</i> , 2021, 9, 98.	0.7	9
17	kinetic-energy release distributions from chlorobenzene and related molecules in electron transfer experiments. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	3
18	Unexpected benzene oxidation in collisions with superoxide anions. <i>Scientific Reports</i> , 2021, 11, 23125.	1.6	4

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19	Anionic states of C_6Cl_6 probed in electron transfer experiments. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 366-374.	1.3	7
20	A complete data set for the simulation of electron transport through gaseous tetrahydrofuran in the energy range $1 \leq E \leq 100$ eV. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	21
21	A Complete Cross Section Data Set for Electron Scattering by Pyridine: Modelling Electron Transport in the Energy Range $0 \leq E \leq 100$ eV. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6947.	1.8	24
22	Electron impact ionization of R-carvone: I. Mass spectra and appearance energies. <i>International Journal of Mass Spectrometry</i> , 2020, 456, 116395.	0.7	6
23	Electron-impact excitation of the $(5s25p) P_{1/2} \rightarrow (5s26s) S_{1/2}$ transition in indium: Theory and experiment. <i>Physical Review A</i> , 2020, 102, .	1.0	5
24	Selective bond breaking of halothane induced by electron transfer in potassium collisions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23837-23846.	1.3	3
25	A comparison of experimental and theoretical low energy positron scattering from furan. <i>Journal of Chemical Physics</i> , 2020, 153, 244303.	1.2	1
26	Electron transfer to phenyl boronic acid upon potassium collisions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 052002.	0.3	0
27	Electron impact ionization and fragmentation of biofuels. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	14
28	Electron scattering cross sections from nitrobenzene in the energy range $0.4 \leq E \leq 1000$ eV: the role of dipole interactions in measurements and calculations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13505-13515.	1.3	9
29	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
30	Joint theoretical and experimental study on elastic electron scattering from bismuth. <i>Physical Review A</i> , 2020, 101, .	1.0	7
31	Integral Cross Sections for Electron-Zinc Scattering over a Broad Energy Range ($0.01 \leq E \leq 5000$ eV). <i>Journal of Physical and Chemical Reference Data</i> , 2020, 49, .	1.9	13
32	Self-consistent electron-THF cross sections derived using data-driven swarm analysis with a neural network model. <i>Plasma Sources Science and Technology</i> , 2020, 29, 105008.	1.3	13
33	Theoretical and experimental cross sections for electron scattering from halothane. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	4
34	Positron Scattering from Gas-Phase Beryllium and Magnesium: Theory, Recommended Cross Sections, and Transport Simulations. <i>Journal of Physical and Chemical Reference Data</i> , 2019, 48, .	1.9	7
35	Theoretical study on positron scattering by benzene over a broad energy range. <i>Physical Review A</i> , 2019, 100, .	1.0	11
36	Experimental and theoretical analysis for total electron scattering cross sections of benzene. <i>Journal of Chemical Physics</i> , 2019, 151, 084310.	1.2	16

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37	Electron scattering from 1-butanol at intermediate impact energies: Total cross sections. Journal of Chemical Physics, 2019, 150, 194307.	1.2	8
38	Experimental electron-detachment cross sections for collisions of O^+ with N_2 molecules in the energy range 50–7000 eV. Physical Review A, 2019, 99, .	1.0	7
39	Experimental and theoretical cross sections for elastic electron scattering from zinc. Physical Review A, 2019, 99, .	1.0	11
40	Study on TI-204 simultaneous electron and photon emission spectra and their interaction with gold absorbers. Experimental results and Monte Carlo simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 435-442.	0.7	1
41	Selective Bond Excision in Nitroimidazoles by Electron Transfer Experiments. Journal of Physical Chemistry A, 2019, 123, 4068-4073.	1.1	13
42	Ion-Pair Formation in Neutral Potassium-Neutral Pyrimidine Collisions: Electron Transfer Experiments. Frontiers in Chemistry, 2019, 7, 264.	1.8	14
43	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
44	Revisiting the photoabsorption spectrum of NH ₃ in the 5.4–10.8 eV energy region. Journal of Chemical Physics, 2019, 151, 184302.	1.2	16
45	Radio-Enhancing Properties of Bimetallic Au:Pt Nanoparticles: Experimental and Theoretical Evidence. International Journal of Molecular Sciences, 2019, 20, 5648.	1.8	15
46	Positron interactions with nitrogen and oxygen molecules: elastic, inelastic and total cross sections. European Physical Journal D, 2019, 73, 1.	0.6	6
47	Interaction of photoionisation and meteoric input in the atmosphere of Jupiter. European Physical Journal D, 2019, 73, 1.	0.6	1
48	Electron Transfer Induced Decomposition in Potassium–Nitroimidazoles Collisions: An Experimental and Theoretical Work. International Journal of Molecular Sciences, 2019, 20, 6170.	1.8	12
49	Charge Transfer Processes in Key Biological Systems. Bioanalysis, 2019, , 329-348.	0.1	1
50	Positron scattering from pyridine. Journal of Chemical Physics, 2018, 148, 144308.	1.2	12
51	Electron transport in biomolecular gaseous and liquid systems: theory, experiment and self-consistent cross-sections. Plasma Sources Science and Technology, 2018, 27, 053001.	1.3	31
52	Electron-impact electronic-state excitation of <i>para</i> -benzoquinone. Journal of Chemical Physics, 2018, 148, 124312.	1.2	11
53	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
54	Experimental and theoretical electron-scattering cross-section data for dichloromethane. Physical Review A, 2018, 97, .	1.0	5

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55	Electron impact ionization of 1-butanol: II. Total ionization cross sections and appearance energies. International Journal of Mass Spectrometry, 2018, 430, 44-51.	0.7	19
56	Absolute cross section measurements for the scattering of low- and intermediate-energy electrons from PF3. II. Inelastic scattering of vibrational and electronic excitations. Journal of Chemical Physics, 2018, 148, 084313.	1.2	3
57	Communication: Site-selective bond excision of adenine upon electron transfer. Journal of Chemical Physics, 2018, 148, 021101.	1.2	7
58	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
59	Integral Cross Sections for Electronâ€“Magnesium Scattering Over a Broad Energy Range (0â€“5000 eV). Journal of Physical and Chemical Reference Data, 2018, 47, 043104.	1.9	15
60	Total cross section measurements for electron scattering from dichloromethane. Journal of Chemical Physics, 2018, 149, 244304.	1.2	2
61	Total electron scattering cross sections from thiophene for the (1-300 eV) impact energy range. Journal of Chemical Physics, 2018, 149, 134303.	1.2	9
62	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
63	A Relativistic Complex Optical Potential Calculation for Electronâ€“Beryllium Scattering: Recommended Cross Sections. Journal of Physical and Chemical Reference Data, 2018, 47, .	1.9	14
64	A process to describe radiation damage at the molecular level. Application to the 125I seeds in water. Applied Radiation and Isotopes, 2018, 140, 163-170.	0.7	1
65	Total electron scattering cross section from sevoflurane by 1â€“300â€“eV energy electron impact. Chemical Physics Letters, 2018, 706, 533-537.	1.2	10
66	Total electron-scattering cross sections from pyridine molecules in the energy range 1â€“200 eV. Physical Review A, 2018, 98, .	1.0	11
67	Cross sections for electron scattering from thiophene for a broad energy range. Journal of Chemical Physics, 2018, 149, 034304.	1.2	8
68	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.	1.3	27
69	Integral elastic, vibrational-excitation, electronic-state excitation, ionization, and total cross sections for electron scattering from <i>para</i> -benzoquinone. Journal of Chemical Physics, 2018, 148, 204305.	1.2	7
70	Magnetically confined electron beam system for high resolution electron transmission-beam experiments. Review of Scientific Instruments, 2018, 89, 063105.	0.6	20
71	An experimental and theoretical investigation into the electronically excited states of <i>para</i> -benzoquinone. Journal of Chemical Physics, 2017, 146, 184303.	1.2	12
72	Electron stimulated desorption from condensed pyrimidine and pyridazine. Physical Chemistry Chemical Physics, 2017, 19, 13038-13048.	1.3	10

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73	Spatial profiles of positrons injected at low energies into water: influence of cross section models. <i>Plasma Sources Science and Technology</i> , 2017, 26, 045010.	1.3	14
74	New Research in Ionizing Radiation and Nanoparticles: The ARGENT Project. , 2017, , 379-434.		1
75	Monte Carlo-Based Modeling of Secondary Particle Tracks Generated by Intermediate- and Low-Energy Protons in Water. , 2017, , 99-119.		0
76	Low energy electron transport in furfural. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	18
77	Elastic Differential Cross Sections for Electron Scattering with Dichloromethane. <i>Journal of Physics: Conference Series</i> , 2017, 875, 062036.	0.3	0
78	Interference effects in electron scattering from small water clusters. <i>Chemical Physics Letters</i> , 2017, 685, 504-510.	1.2	0
79	Total cross section of furfural by electron impact: Experiment and theory. <i>Journal of Chemical Physics</i> , 2017, 147, 054301.	1.2	14
80	Total cross sections for electron scattering by 1-propanol at impact energies in the range 40-500 eV. <i>Journal of Chemical Physics</i> , 2017, 147, 194307.	1.2	8
81	Electron transfer processes in potassium collision with nitroimidazoles: the role of methylation at N1 site. <i>Journal of Physics: Conference Series</i> , 2017, 875, 052035.	0.3	0
82	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
83	Modeling secondary particle tracks generated by intermediate- and low-energy protons in water with the Low-Energy Particle Track Simulation code. <i>Radiation Physics and Chemistry</i> , 2017, 130, 371-378.	1.4	12
84	Elastic scattering and vibrational excitation for electron impact on <i>para</i> -benzoquinone. <i>Journal of Chemical Physics</i> , 2017, 147, 244304.	1.2	13
85	Electron-transfer studies in potassium collisions with tetrachloromethane. <i>Journal of Physics: Conference Series</i> , 2017, 875, 102015.	0.3	0
86	Electron impact ionization of 1-propanol. <i>International Journal of Mass Spectrometry</i> , 2017, 422, 32-41.	0.7	23
87	Absolute cross section measurements for the scattering of low- and intermediate-energy electrons from PF ₃ . I. Elastic scattering. <i>Journal of Chemical Physics</i> , 2017, 147, 224308.	1.2	5
88	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. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2208-2218.	1.5	5
89	Absolute elastic differential cross sections for PF ₃ molecule by electron impact: A comparative study with XF ₃ (X = B, C, N and CH) molecules. <i>Journal of Physics: Conference Series</i> , 2017, 875, 062028.	0.3	0
90	Experimental and theoretical cross sections for positron scattering from the pentane isomers. <i>Journal of Chemical Physics</i> , 2016, 144, 084301.	1.2	18

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91	The electron-furfural scattering dynamics for 63 energetically open electronic states. Journal of Chemical Physics, 2016, 144, 124310.	1.2	23
92	Integral elastic, electronic-state, ionization, and total cross sections for electron scattering with furfural. Journal of Chemical Physics, 2016, 144, 144303.	1.2	16
93	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
94	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
95	Nano-scale processes behind ion-beam cancer therapy. European Physical Journal D, 2016, 70, 1.	0.6	8
96	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
97	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
98	Advances in positron and electron scattering*. European Physical Journal D, 2016, 70, 1.	0.6	2
99	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
100	Investigating the role of vibrational excitation in simulating charged-particle tracks in liquid pyrimidine. European Physical Journal D, 2016, 70, 1.	0.6	22
101	Regularities in positronium formation for atoms and molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 064003.	0.6	18
102	Screening corrections for the interference contributions to the electron and positron scattering cross sections from polyatomic molecules. Chemical Physics Letters, 2016, 645, 71-75.	1.2	58
103	Complex internal rearrangement processes triggered by electron transfer to acetic acid. Journal of Physics: Conference Series, 2015, 635, 012002.	0.3	0
104	Positron kinetics in an idealized PET environment. Scientific Reports, 2015, 5, 12674.	1.6	23
105	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.	1.2	19
106	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.	1.2	7
107	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
108	Modeling secondary particle tracks generated by high-energy protons in water. Journal of Physics: Conference Series, 2015, 635, 032092.	0.3	1

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109	Electron impact cross-sections for biomolecules - completeness and self-consistency via swarm analysis. <i>Journal of Physics: Conference Series</i> , 2015, 635, 072079.	0.3	0
110	Excitation of vibrational quanta in furfural by intermediate-energy electrons. <i>Journal of Chemical Physics</i> , 2015, 143, 224304.	1.2	9
111	Induced molecular dissociations as a radiation damage descriptor (Nanodosimetry). <i>Journal of Physics: Conference Series</i> , 2015, 635, 072068.	0.3	1
112	Electron induced fragmentation of sulphur containing biological prototypes: thiaproline and taurine. <i>Journal of Physics: Conference Series</i> , 2015, 635, 072069.	0.3	1
113	Integration of the low-energy particle track simulation code in Geant4. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	8
114	Interference effects in the electron and positron scattering from molecules at intermediate and high energies. <i>Chemical Physics Letters</i> , 2015, 635, 321-327.	1.2	31
115	Cross sections for positron and electron collisions with an analog of the purine nucleobases: Indole. <i>Physical Review A</i> , 2015, 91, .	1.0	9
116	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
117	Differential cross sections for electron impact excitation of the electronic bands of phenol. <i>Journal of Chemical Physics</i> , 2015, 142, 104305.	1.2	25
118	Chemistry induced during the thermalization and transport of positrons and secondary electrons in gases and liquids. <i>Plasma Sources Science and Technology</i> , 2015, 24, 025016.	1.3	7
119	New process to describe radiation damage at the molecular level. Application to 125I seeds in water. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112090.	0.3	0
120	Integral cross sections for electron impact excitation of vibrational and electronic states in phenol. <i>Journal of Chemical Physics</i> , 2015, 142, 194305.	1.2	15
121	The role of pyrimidine and water as underlying molecular constituents for describing radiation damage in living tissue: A comparative study. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	48
122	Intermediate energy cross sections for electron-impact vibrational-excitation of pyrimidine. <i>Journal of Chemical Physics</i> , 2015, 143, 094304.	1.2	11
123	Recent progress in electron scattering from atoms and molecules. , 2014, , .		2
124	Kinetic Phenomena in Transport of Electrons and Positrons in Gases caused by the Properties of Scattering Cross Sections. <i>Journal of Physics: Conference Series</i> , 2014, 488, 012047.	0.3	2
125	CNO ⁺ formation through selective bond cleavage. <i>Journal of Physics: Conference Series</i> , 2014, 488, 102018.	0.3	0
126	Positron interactions with water ⁺ total elastic, total inelastic, and elastic differential cross section measurements. <i>Journal of Chemical Physics</i> , 2014, 140, 044320.	1.2	32

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127	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
128	Low energy positron interactions with uracil—Total scattering, positronium formation, and differential elastic scattering cross sections. Journal of Chemical Physics, 2014, 141, 034306.	1.2	23
129	Electron scattering cross sections from anthracene over a broad energy range (0.00001–10,000eV). Applied Radiation and Isotopes, 2014, 83, 68-76.	0.7	8
130	Anion formation in gas-phase potassium—uridine collisions. International Journal of Mass Spectrometry, 2014, 365-366, 243-247.	0.7	7
131	Differential cross sections for intermediate-energy electron scattering from $\hat{1}\pm$ -tetrahydrofurfuryl alcohol: Excitation of electronic-states. Journal of Chemical Physics, 2014, 141, 024301.	1.2	23
132	Intermediate-energy differential and integral cross sections for vibrational excitation in $\hat{1}\pm$ -tetrahydrofurfuryl alcohol. Journal of Chemical Physics, 2014, 140, 214306.	1.2	13
133	Differential and integral electron scattering cross sections from tetrahydrofuran (THF) over a wide energy range: 1–10 000 eV. European Physical Journal D, 2014, 68, 1.	0.6	29
134	Cross Sections for Positron Impact with 2,2,4-Trimethylpentane. Journal of Physical Chemistry A, 2014, 118, 6466-6472.	1.1	7
135	Electron swarm transport in THF and water mixtures. European Physical Journal D, 2014, 68, 1.	0.6	36
136	New Fragmentation Pathways in K—THF Collisions As Studied by Electron-Transfer Experiments: Negative Ion Formation. Journal of Physical Chemistry A, 2014, 118, 690-696.	1.1	13
137	Current prospects on Low Energy Particle Track Simulation for biomedical applications. Applied Radiation and Isotopes, 2014, 83, 159-164.	0.7	17
138	On the use of Monte Carlo simulations to model transport of positrons in gases and liquids. Applied Radiation and Isotopes, 2014, 83, 148-154.	0.7	28
139	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
140	Electron scattering cross section calculations for polar molecules over a broad energy range. Applied Radiation and Isotopes, 2014, 83, 57-67.	0.7	21
141	Thymidine Decomposition Induced by Low-Energy Electrons and Soft X Rays under N ₂ and O ₂ Atmospheres. Radiation Research, 2014, 181, 629-640.	0.7	16
142	Electron Scattering from Pyridine. Journal of Physical Chemistry A, 2014, 118, 6657-6663.	1.1	25
143	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
144	Cross sections for electron scattering from $\hat{1}\pm$ -tetrahydrofurfuryl alcohol. Chemical Physics Letters, 2014, 608, 161-166.	1.2	17

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145	Low-energy electron and positron transport in gases and soft-condensed systems of biological relevance. Applied Radiation and Isotopes, 2014, 83, 77-85.	0.7	51
146	Stopping power for electrons in pyrimidine in the energy range 20â€“3000eV. Applied Radiation and Isotopes, 2014, 83, 91-94.	0.7	7
147	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
148	Negative ion chemistry of Deoxyribose and THF upon potassium atom collisions. Journal of Physics: Conference Series, 2014, 488, 012043.	0.3	1
149	Low-energy electron scattering from Î±-tetrahydrofurfuryl alcohol. Journal of Physics: Conference Series, 2014, 488, 052003.	0.3	0
150	Electron scattering from pyrimidine. Journal of Physics: Conference Series, 2014, 488, 052022.	0.3	0
151	Low-energy positron and electron scattering from tetrahydrofuran and 3-hydroxy-tetrahydrofuran. Journal of Physics: Conference Series, 2014, 488, 072007.	0.3	0
152	Positron scattering from vinyl acetate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 175202.	0.6	6
153	Anomalously large low-energy elastic cross sections for electron scattering from the CF ₃ radical. Chemical Physics Letters, 2013, 568-569, 55-58.	1.2	17
154	Interaction model for electron scattering from ethylene in the energy range 1â€“10000eV. Chemical Physics Letters, 2013, 560, 22-28.	1.2	11
155	Radiation Damage to DNA: The Indirect Effect of Low-Energy Electrons. Journal of Physical Chemistry Letters, 2013, 4, 820-825.	2.1	98
156	Differential cross sections for low-energy elastic electron scattering from the CF ₃ radical. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 245203.	0.6	19
157	Cross-section calculations for positron scattering from pyrimidine over an energy range from 0.1 to 10000 eV. Physical Review A, 2013, 88, .	1.0	26
158	Modelling low energy electron and positron tracks in biologically relevant media. European Physical Journal D, 2013, 67, 1.	0.6	78
159	Radiation damage of biomolecules (RADAM) database development: current status. Journal of Physics: Conference Series, 2013, 438, 012016.	0.3	11
160	A joint theoretical and experimental study for elastic electron scattering from 1,4-dioxane. Journal of Chemical Physics, 2013, 139, 014308.	1.2	17
161	Total, elastic, and inelastic cross sections for positron and electron collisions with tetrahydrofuran. Journal of Chemical Physics, 2013, 138, 074301.	1.2	52
162	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

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163	NCO ⁺ , a Key Fragment Upon Dissociative Electron Attachment and Electron Transfer to Pyrimidine Bases: Site Selectivity for a Slow Decay Process. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1787-1797.	1.2	53
164	Dynamic of negative ions in potassium-D-ribose collisions. <i>Journal of Chemical Physics</i> , 2013, 139, 114304.	1.2	15
165	Experimental and theoretical cross sections for positron collisions with 3-hydroxy-tetrahydrofuran. <i>Journal of Chemical Physics</i> , 2013, 138, 074302.	1.2	20
166	Cross sections for elastic scattering of electrons by CF ₃ Cl, CF ₂ Cl ₂ , and CFCl ₃ . <i>Journal of Chemical Physics</i> , 2013, 138, 214305.	1.2	12
167	Dynamics of formation of anthracene anions in molecular clouds and protoplanetary atmospheres. <i>New Journal of Physics</i> , 2013, 15, 013018.	1.2	16
168	Low-energy positron and electron scattering from nitrogen dioxide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 235202.	0.6	19
169	An investigation into electron scattering from pyrazine at intermediate and high energies. <i>Journal of Chemical Physics</i> , 2013, 139, 184310.	1.2	32
170	Total electron-scattering cross sections from pyrimidine as measured using a magnetically confined experimental system. <i>Physical Review A</i> , 2013, 88, .	1.0	56
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