

# Francisco Blanco

## List of Publications by Year in descending order

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251  
papers

9,529  
citations

41323

49  
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48277

88  
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255  
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255  
docs citations

255  
times ranked

6702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absolute Differential Cross-Sections for Elastic Electron Scattering from Sevoflurane Molecule in the Energy Range from 50â€“300 eV. International Journal of Molecular Sciences, 2022, 23, 21.	1.8	2
2	Recommended Cross Sections for Electronâ€“Indium Scattering. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	6
3	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
4	Electron impact ionization of R-carvone: III. Absolute total ionization cross sections. International Journal of Mass Spectrometry, 2021, 464, 116556.	0.7	4
5	Positron Scattering from the Group IIB Metals Zinc and Cadmium: Recommended Cross Sections and Transport Simulations. Journal of Physical and Chemical Reference Data, 2021, 50, .	1.9	4
6	Electron-impact excitation of the $(4d105s)S1/22\hat{+}'(4d95s2)D3/22$ and $(4d105s)S1/22\hat{+}'(4d106s)S1/22$ transitions in silver: Experiment and theory. Physical Review A, 2021, 104, .	1.0	3
7	Absolute partial ionization cross sections for electron impact of R-carvone from threshold to 100 eV. European Physical Journal D, 2021, 75, 1.	0.6	4
8	Positron scattering from pyrazine. Physical Review A, 2021, 104, .	1.0	7
9	Evaluation of Recommended Cross Sections for the Simulation of Electron Tracks in Water. Atoms, 2021, 9, 98.	0.7	9
10	A complete data set for the simulation of electron transport through gaseous tetrahydrofuran in the energy range $1\hat{+}'100\ \text{eV}$ . European Physical Journal D, 2021, 75, 1.	0.6	21
11	A Complete Cross Section Data Set for Electron Scattering by Pyridine: Modelling Electron Transport in the Energy Range $0\hat{+}'100\ \text{eV}$ . International Journal of Molecular Sciences, 2020, 21, 6947.	1.8	24
12	Electron impact ionization of R-carvone: I. Mass spectra and appearance energies. International Journal of Mass Spectrometry, 2020, 456, 116395.	0.7	6
13	Electron-impact excitation of the $(5s25p)P1/22\hat{+}'(5s26s)S1/22$ transition in indium: Theory and experiment. Physical Review A, 2020, 102, .	1.0	5
14	A comparison of experimental and theoretical low energy positron scattering from furan. Journal of Chemical Physics, 2020, 153, 244303.	1.2	1
15	Electron impact ionization and fragmentation of biofuels. European Physical Journal D, 2020, 74, 1.	0.6	14
16	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
17	Joint theoretical and experimental study on elastic electron scattering from bismuth. Physical Review A, 2020, 101, .	1.0	7
18	Theoretical and experimental cross sections for electron scattering from halothane. European Physical Journal D, 2019, 73, 1.	0.6	4

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19	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
20	Theoretical study on positron scattering by benzene over a broad energy range. <i>Physical Review A</i> , 2019, 100, .	1.0	11
21	Experimental and theoretical analysis for total electron scattering cross sections of benzene. <i>Journal of Chemical Physics</i> , 2019, 151, 084310.	1.2	16
22	Electron scattering from 1-butanol at intermediate impact energies: Total cross sections. <i>Journal of Chemical Physics</i> , 2019, 150, 194307.	1.2	8
23	Experimental and theoretical cross sections for elastic electron scattering from zinc. <i>Physical Review A</i> , 2019, 99, .	1.0	11
24	Positron interactions with nitrogen and oxygen molecules: elastic, inelastic and total cross sections. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	6
25	Radiobiological Effects Induced by X-ray (LINAC) Irradiation: Experiments and Modelling. <i>Bioanalysis</i> , 2019, , 367-397.	0.1	0
26	Positron scattering from pyridine. <i>Journal of Chemical Physics</i> , 2018, 148, 144308.	1.2	12
27	Experimental and theoretical electron-scattering cross-section data for dichloromethane. <i>Physical Review A</i> , 2018, 97, .	1.0	5
28	Electron impact ionization of 1-butanol: II. Total ionization cross sections and appearance energies. <i>International Journal of Mass Spectrometry</i> , 2018, 430, 44-51.	0.7	19
29	Absolute cross section measurements for the scattering of low- and intermediate-energy electrons from PF3. II. Inelastic scattering of vibrational and electronic excitations. <i>Journal of Chemical Physics</i> , 2018, 148, 084313.	1.2	3
30	Total electron scattering cross section from pyridine molecules in the energy range 10â€“1000â€“eV. <i>Chemical Physics Letters</i> , 2018, 699, 182-187.	1.2	16
31	Integral Cross Sections for Electronâ€“Magnesium Scattering Over a Broad Energy Range (0â€“5000 eV). <i>Journal of Physical and Chemical Reference Data</i> , 2018, 47, 043104.	1.9	15
32	Total cross section measurements for electron scattering from dichloromethane. <i>Journal of Chemical Physics</i> , 2018, 149, 244304.	1.2	2
33	Total electron scattering cross sections from thiophene for the (1-300 eV) impact energy range. <i>Journal of Chemical Physics</i> , 2018, 149, 134303.	1.2	9
34	A Relativistic Complex Optical Potential Calculation for Electronâ€“Beryllium Scattering: Recommended Cross Sections. <i>Journal of Physical and Chemical Reference Data</i> , 2018, 47, .	1.9	14
35	A process to describe radiation damage at the molecular level. Application to the 125I seeds in water. <i>Applied Radiation and Isotopes</i> , 2018, 140, 163-170.	0.7	1
36	Total electron scattering cross section from sevoflurane by 1â€“300â€“eV energy electron impact. <i>Chemical Physics Letters</i> , 2018, 706, 533-537.	1.2	10

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37	Total electron-scattering cross sections from pyridine molecules in the energy range 1â€“200 eV. Physical Review A, 2018, 98, .	1.0	11
38	Cross sections for electron scattering from thiophene for a broad energy range. Journal of Chemical Physics, 2018, 149, 034304.	1.2	8
39	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
40	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
41	Magnetically confined electron beam system for high resolution electron transmission-beam experiments. Review of Scientific Instruments, 2018, 89, 063105.	0.6	20
42	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
43	Monte Carlo-Based Modeling of Secondary Particle Tracks Generated by Intermediate- and Low-Energy Protons in Water. , 2017, , 99-119.		0
44	Low energy electron transport in furfural. European Physical Journal D, 2017, 71, 1.	0.6	18
45	Elastic Differential Cross Sections for Electron Scattering with Dichloromethane. Journal of Physics: Conference Series, 2017, 875, 062036.	0.3	0
46	Interference effects in electron scattering from small water clusters. Chemical Physics Letters, 2017, 685, 504-510.	1.2	0
47	Total cross section of furfural by electron impact: Experiment and theory. Journal of Chemical Physics, 2017, 147, 054301.	1.2	14
48	Total cross sections for electron scattering by 1-propanol at impact energies in the range 40-500 eV. Journal of Chemical Physics, 2017, 147, 194307.	1.2	8
49	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
50	Modeling secondary particle tracks generated by intermediate- and low-energy protons in water with the Low-Energy Particle Track Simulation code. Radiation Physics and Chemistry, 2017, 130, 371-378.	1.4	12
51	Elastic scattering and vibrational excitation for electron impact on <i>para</i> -benzoquinone. Journal of Chemical Physics, 2017, 147, 244304.	1.2	13
52	Electron impact ionization of 1-propanol. International Journal of Mass Spectrometry, 2017, 422, 32-41.	0.7	23
53	Absolute cross section measurements for the scattering of low- and intermediate-energy electrons from PF <sub>3</sub> . I. Elastic scattering. Journal of Chemical Physics, 2017, 147, 224308.	1.2	5
54	Absolute elastic differential cross sections for PF <sub>3</sub> molecule by electron impact: A comparative study with XF <sub>3</sub> (X = B, C, N and CH) molecules. Journal of Physics: Conference Series, 2017, 875, 062028.	0.3	0

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55	Experimental and theoretical cross sections for positron scattering from the pentane isomers. <i>Journal of Chemical Physics</i> , 2016, 144, 084301.	1.2	18
56	The electron-furfural scattering dynamics for 63 energetically open electronic states. <i>Journal of Chemical Physics</i> , 2016, 144, 124310.	1.2	23
57	Integral elastic, electronic-state, ionization, and total cross sections for electron scattering with furfural. <i>Journal of Chemical Physics</i> , 2016, 144, 144303.	1.2	16
58	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
59	Combined experimental and theoretical study on the differential elastic scattering cross sections for acetone by electron impact energy of 7.0–50 eV. <i>Physical Review A</i> , 2016, 93, .	1.0	5
60	Scattering data for modelling positron tracks in gaseous and liquid water. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 145001.	0.6	47
61	Investigating the role of vibrational excitation in simulating charged-particle tracks in liquid pyrimidine. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	22
62	Regularities in positronium formation for atoms and molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 064003.	0.6	18
63	Screening corrections for the interference contributions to the electron and positron scattering cross sections from polyatomic molecules. <i>Chemical Physics Letters</i> , 2016, 645, 71-75.	1.2	58
64	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
65	Crossed-beam experiment for the scattering of low- and intermediate-energy electrons from BF <sub>3</sub> : A comparative study with XF <sub>3</sub> (X = C, N, and CH) molecules. <i>Journal of Chemical Physics</i> , 2015, 143, 024313.	1.2	7
66	Modeling secondary particle tracks generated by high-energy protons in water. <i>Journal of Physics: Conference Series</i> , 2015, 635, 032092.	0.3	1
67	Excitation of vibrational quanta in furfural by intermediate-energy electrons. <i>Journal of Chemical Physics</i> , 2015, 143, 224304.	1.2	9
68	Induced molecular dissociations as a radiation damage descriptor (Nanodosimetry). <i>Journal of Physics: Conference Series</i> , 2015, 635, 072068.	0.3	1
69	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 804, 15.	1.6	146
70	Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. <i>Physical Review D</i> , 2015, 91, .	1.6	125
71	Integration of the low-energy particle track simulation code in Geant4. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	8
72	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

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73	Modeling crosstalk and afterpulsing in silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 153-156.	0.7	22
74	Cross sections for positron and electron collisions with an analog of the purine nucleobases: Indole. Physical Review A, 2015, 91, .	1.0	9
75	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
76	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory. European Physical Journal C, 2015, 75, 269.	1.4	12
77	Integral cross sections for electron impact excitation of vibrational and electronic states in phenol. Journal of Chemical Physics, 2015, 142, 194305.	1.2	15
78	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
79	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. Astrophysical Journal, 2015, 802, 111.	1.6	49
80	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. Astrophysical Journal, 2014, 789, 160.	1.6	29
81	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	1.9	49
82	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	1.6	85
83	Positron interactions with water—total elastic, total inelastic, and elastic differential cross section measurements. Journal of Chemical Physics, 2014, 140, 044320.	1.2	32
84	Elastic differential cross sections for C <sub>4</sub> F <sub>6</sub> 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
85	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
86	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. Physical Review D, 2014, 90, .	1.6	69
87	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal Letters, 2014, 789, L34.	3.0	14
88	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
89	Differential cross sections for intermediate-energy electron scattering from ̂±-tetrahydrofurfuryl alcohol: Excitation of electronic-states. Journal of Chemical Physics, 2014, 141, 024301.	1.2	23
90	Intermediate-energy differential and integral cross sections for vibrational excitation in ̂±-tetrahydrofurfuryl alcohol. Journal of Chemical Physics, 2014, 140, 214306.	1.2	13

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91	Differential and integral electron scattering cross sections from tetrahydrofuran (THF) over a wide energy range: $1 \times 10^0$ – $10^4$ eV. European Physical Journal D, 2014, 68, 1.	0.6	29
92	Cross Sections for Positron Impact with 2,2,4-Trimethylpentane. Journal of Physical Chemistry A, 2014, 118, 6466-6472.	1.1	7
93	Current prospects on Low Energy Particle Track Simulation for biomedical applications. Applied Radiation and Isotopes, 2014, 83, 159-164.	0.7	17
94	On the absolute value of the air-fluorescence yield. Astroparticle Physics, 2014, 55, 51-62.	1.9	16
95	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
96	Electron scattering cross section calculations for polar molecules over a broad energy range. Applied Radiation and Isotopes, 2014, 83, 57-67.	0.7	21
97	Electron Scattering from Pyridine. Journal of Physical Chemistry A, 2014, 118, 6657-6663.	1.1	25
98	Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America. Atmospheric Research, 2014, 149, 120-135.	1.8	6
99	Cross sections for electron scattering from $\pm$ -tetrahydrofurfuryl alcohol. Chemical Physics Letters, 2014, 608, 161-166.	1.2	17
100	Stopping power for electrons in pyrimidine in the energy range $20 \times 10^0$ – $3000$ eV. Applied Radiation and Isotopes, 2014, 83, 91-94.	0.7	7
101	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
102	Low-energy electron scattering from $\pm$ -tetrahydrofurfuryl alcohol. Journal of Physics: Conference Series, 2014, 488, 052003.	0.3	0
103	Electron scattering from pyrimidine. Journal of Physics: Conference Series, 2014, 488, 052022.	0.3	0
104	Low-energy positron and electron scattering from tetrahydrofuran and 3-hydroxy-tetrahydrofuran. Journal of Physics: Conference Series, 2014, 488, 072007.	0.3	0
105	Positron scattering from vinyl acetate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 175202.	0.6	6
106	Anomalously large low-energy elastic cross sections for electron scattering from the CF <sub>3</sub> radical. Chemical Physics Letters, 2013, 568-569, 55-58.	1.2	17
107	Interaction model for electron scattering from ethylene in the energy range $1 \times 10^0$ – $10000$ eV. Chemical Physics Letters, 2013, 560, 22-28.	1.2	11
108	Differential cross sections for low-energy elastic electron scattering from the CF <sub>3</sub> radical. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 245203.	0.6	19

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109	Cross-section calculations for positron scattering from pyrimidine over an energy range from 0.1 to 10000 eV. <i>Physical Review A</i> , 2013, 88, .	1.0	26
110	Modelling low energy electron and positron tracks in biologically relevant media. <i>European Physical Journal D</i> , 2013, 67, 1.	0.6	78
111	A joint theoretical and experimental study for elastic electron scattering from 1,4-dioxane. <i>Journal of Chemical Physics</i> , 2013, 139, 014308.	1.2	17
112	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , 2013, 50-52, 92-101.	1.9	8
113	Total, elastic, and inelastic cross sections for positron and electron collisions with tetrahydrofuran. <i>Journal of Chemical Physics</i> , 2013, 138, 074301.	1.2	52
114	Experimental and theoretical cross sections for positron collisions with 3-hydroxy-tetrahydrofuran. <i>Journal of Chemical Physics</i> , 2013, 138, 074302.	1.2	20
115	Cross sections for elastic scattering of electrons by CF <sub>3</sub> Cl, CF <sub>2</sub> Cl <sub>2</sub> , and CFCI <sub>3</sub> . <i>Journal of Chemical Physics</i> , 2013, 138, 214305.	1.2	12
116	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
117	An investigation into electron scattering from pyrazine at intermediate and high energies. <i>Journal of Chemical Physics</i> , 2013, 139, 184310.	1.2	32
118	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	0.5	39
119	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
120	A comprehensive and comparative study of elastic electron scattering from OCS and CS <sub>2</sub> in the energy region from 1.2 to 200 eV. <i>Journal of Chemical Physics</i> , 2013, 138, 054302.	1.2	21
121	Positron and electron collisions with nitrous oxide: Measured and calculated cross sections. <i>Physical Review A</i> , 2013, 88, .	1.0	16
122	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 026-026.	1.9	27
123	CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE $10^{18}$ eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal Letters</i> , 2013, 762, L13.	3.0	67
124	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 009-009.	1.9	34
125	Modeling crosstalk in silicon photomultipliers. <i>Journal of Instrumentation</i> , 2013, 8, P05010-P05010.	0.5	32
126	Electron interactions with Ar clusters and liquid Ar. <i>Journal of Physics: Conference Series</i> , 2013, 438, 012012.	0.3	6



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127	On the energy deposition by electrons in air and the accurate determination of the air-fluorescence yield. EPJ Web of Conferences, 2013, 53, 10001.	0.1	1
128	Positron scattering from $O_2$ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 215206.	0.6	62
129	SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. Astrophysical Journal Letters, 2012, 755, L4.	3.0	55
130	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P10011-P10011.	0.5	95
131	Measurement of the Proton-Air Cross Section at $\sqrt{s} > 57$ TeV at the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.	2.9	212
132	Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [Phys. Rev. D84, 122005 (2011)]. Physical Review D, 2012, 85, .	1.6	8
133	Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252302.	2.9	186
134	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. Astrophysical Journal, 2012, 760, 148.	1.6	27
135	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE $10^{18}$ eV AT THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, Supplement Series, 2012, 203, 34.	3.0	44
136	Electron scattering cross sections from HCN over a broad energy range (0.1–10 <sup>4</sup> eV): Influence of the permanent dipole moment on the scattering process. Journal of Chemical Physics, 2012, 137, 124103.	1.2	34
137	Modelling low energy electron and positron tracks for biomedical applications. International Journal of Radiation Biology, 2012, 88, 71-76.	1.0	80
138	Absolute cross sections for electron scattering from furan. Journal of Chemical Physics, 2012, 137, 064312.	1.2	13
139	Electron scattering from tetrahydrofuran. Journal of Physics: Conference Series, 2012, 388, 052077.	0.3	0
140	Modelling low energy electron and positron tracks for biomedical applications. Journal of Physics: Conference Series, 2012, 388, 052081.	0.3	0
141	The rapid atmospheric monitoring system of the Pierre Auger Observatory. Journal of Instrumentation, 2012, 7, P09001-P09001.	0.5	24
142	Radiation induced damage by secondary electrons in condensed water molecules. Journal of Physics: Conference Series, 2012, 388, 052080.	0.3	0
143	Elastic electron scattering from the DNA bases: cytosine and thymine. Journal of Physics: Conference Series, 2012, 388, 052028.	0.3	0
144	Electron interactions with tetrahydrofuran. Journal of Physics: Conference Series, 2012, 373, 012010.	0.3	13

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145	Elastic cross sections for electron scattering from GeF <sub>4</sub> : Predominance of atomic-F in the high-energy collision dynamics. <i>Journal of Chemical Physics</i> , 2012, 136, 134313.	1.2	38
146	Differential cross sections for the electron impact excitation of pyrimidine. <i>Journal of Chemical Physics</i> , 2012, 137, 074304.	1.2	33
147	Electron and Positron Scattering from Pyrimidine. <i>Journal of Physics: Conference Series</i> , 2012, 388, 052079.	0.3	0
148	Electron impact excitation of the $\tilde{A}^1 3B_{1u}$ electronic state in C <sub>2</sub> H <sub>4</sub> : An experimentally benchmarked system?. <i>Journal of Chemical Physics</i> , 2012, 136, 184313.	1.2	14
149	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 040-040.	1.9	6
150	Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory. <i>European Physical Journal Plus</i> , 2012, 127, 1.	1.2	34
151	Modelling single positron tracks in Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 045207.	0.6	21
152	Absolute cross sections for elastic electron scattering from methylformamide. <i>Physical Review A</i> , 2012, 85, .	1.0	13
153	Cross section data sets for electron collisions with H <sub>2</sub> , O <sub>2</sub> , CO, CO <sub>2</sub> , N <sub>2</sub> O and H <sub>2</sub> O. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	55
154	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
155	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2012, 35, 354-361.	1.9	32
156	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012, 35, 591-607.	1.9	66
157	Elastic electron scattering from formamide molecule. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 279, 124-127.	0.6	10
158	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	1.6	51
159	An experimental and theoretical investigation into positron and electron scattering from formaldehyde. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 195202.	0.6	22
160	Differential elastic electron scattering cross sections for CCl <sub>4</sub> by 1.5–100 eV energy electron impact. <i>Journal of Chemical Physics</i> , 2011, 135, 234309.	1.2	20
161	Electron-collision cross sections for iodine. <i>Physical Review A</i> , 2011, 83, .	1.0	52
162	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. <i>Journal of Instrumentation</i> , 2011, 6, P01003-P01003.	0.5	16

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163	Elastic electron scattering from the DNA bases: cytosine and thymine. Journal of Physics: Conference Series, 2011, 288, 012014.	0.3	2
164	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. Astroparticle Physics, 2011, 35, 266-276.	1.9	16
165	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	1.9	54
166	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 627-639.	1.9	73
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