

Manoel G Homem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5573705/publications.pdf>

Version: 2024-02-01

62
papers

971
citations

331538

21
h-index

501076

28
g-index

62
all docs

62
docs citations

62
times ranked

572
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic cross sections for e^- - CH_4 collisions at intermediate energies. <i>Physical Review A</i> , 2000, 61, .	1.0	47
2	Description and performance of an electron-ion coincidence TOF spectrometer used at the Brazilian synchrotron facility LNLS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 180, 6-13.	0.8	47
3	Delivering high-purity vacuum ultraviolet photons at the Brazilian toroidal grating monochromator (TGM) beamline. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 168-171.	0.8	45
4	Electronic Sputtering Analysis of Astrophysical Ices. <i>Earth, Moon and Planets</i> , 2005, 97, 311-329.	0.3	37
5	A synchrotron beamline for delivering high purity vacuum ultraviolet photons. <i>Review of Scientific Instruments</i> , 2007, 78, 115104.	0.6	37
6	Gas phase photoabsorption and mass spectra of l-alanine and l-proline in the soft X-ray region. <i>Chemical Physics</i> , 2006, 324, 420-424.	0.9	36
7	Electron scattering by methanol and ethanol: A joint theoretical-experimental investigation. <i>Journal of Chemical Physics</i> , 2012, 136, 114311.	1.2	34
8	Cross sections for elastic electron-hydrogen sulfide collisions in the low- and intermediate-energy range. <i>Physical Review A</i> , 2003, 68, .	1.0	32
9	Secondary ion emission from condensed CO bombarded by fission fragments. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 1-9.	0.7	31
10	Cross sections for elastic electron collisions with tetrahydrofuran. <i>Physical Review A</i> , 2009, 80, .	1.0	31
11	Ion cluster desorption from frozen NH_3 induced by impact of fast multi-charged ions. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 112-121.	0.7	30
12	Advances on the Brazilian toroidal grating monochromator (TGM) beamline. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 1125-1127.	0.8	26
13	Astrophysical Icy Surface Simulation under Energetic Particles and Radiation Field in Formic Acid. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11954-11961.	1.5	26
14	Elastic and total cross sections for electron-carbon dioxide collisions in the intermediate energy range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 4373-4388.	0.6	25
15	Electronic sputtering produced by fission fragments on condensed CO and CO_2 . <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1120-1128.	1.2	25
16	Cross sections for electron scattering by propane in the low- and intermediate-energy ranges. <i>Physical Review A</i> , 2010, 82, .	1.0	25
17	Cross sections for electron scattering by ethane in the low- and intermediate-energy ranges. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 225202.	0.6	24
18	Role of adsorption effects on absolute electron-molecule cross-section calibration using the relative flow technique. <i>Review of Scientific Instruments</i> , 2011, 82, 013109.	0.6	24

#	ARTICLE	IF	CITATIONS
19	Photoabsorption and photoionization studies of the amino acid proline in the VUV region. Brazilian Journal of Physics, 2005, 35, 940-944.	0.7	23
20	Cross sections for electron collisions with dimethyl ether. Physical Review A, 2013, 88, .	1.0	22
21	Electron collisions with ammonia and formamide in the low- and intermediate-energy ranges. Physical Review A, 2014, 90, .	1.0	22
22	Elastic and total cross sections for electron-carbonyl sulfide collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, 3293-3305.	0.6	21
23	Elastic and absorption cross sections for electron-nitrous oxide collisions. Physical Review A, 2002, 65, .	1.0	21
24	Frozen methanol bombarded by energetic particles: Relevance to solid state astrochemistry. Surface Science, 2009, 603, 1190-1196.	0.8	21
25	Cross sections for electron scattering by methanol in the intermediate-energy range. Physical Review A, 2011, 83, .	1.0	20
26	Plasma Desorption Mass Spectrometry analysis of HCOOH ice. Journal of Electron Spectroscopy and Related Phenomena, 2007, 155, 124-128.	0.8	17
27	Absorption effects in electron-sulfur-dioxide collisions. Physical Review A, 2011, 84, .	1.0	16
28	Elastic and absorption cross sections for electron scattering by ethylene in the intermediate energy range. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 471-483.	0.6	15
29	Cluster emission and chemical reactions in oxygen and nitrogen ices induced by fast heavy-ion impact. Journal of Mass Spectrometry, 2008, 43, 1521-1530.	0.7	15
30	Theoretical and experimental investigation of electron collisions with dimethyl sulfide. Physical Review A, 2015, 91, .	1.0	12
31	Theoretical and experimental investigation of electron collisions with acetone. Physical Review A, 2015, 92, .	1.0	11
32	Photoabsorption and photoionization cross sections for formaldehyde in the vacuum-ultraviolet energy range. Journal of Chemical Physics, 2017, 146, .	1.2	11
33	Photostability of amino acids to Lyman $\hat{\pm}$ radiation: Glycine. International Journal of Mass Spectrometry, 2011, 306, 77-81.	0.7	10
34	Absolute ionization and dissociation cross sections of tetrahydrofuran: Fragmentation-ion production mechanisms. Journal of Chemical Physics, 2019, 151, .	1.2	10
35	Hybrid molecular ions emitted from CO-NH ₃ ice bombarded by fission fragments. International Journal of Mass Spectrometry, 2007, 262, 195-202.	0.7	9
36	Production of highly charged Ne ions by synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 38-42.	0.8	8

#	ARTICLE	IF	CITATIONS
37	Electron interaction with dimethyl disulfide in the low- and intermediate-energy range. <i>Physical Review A</i> , 2016, 94, .	1.0	8
38	Low to intermediate energy elastic electron scattering from dichloromethane (CH_2Cl_2). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 025204.	0.6	8
39	An experimental study on elastic electron-trifluoromethane (CHF_3) scattering in the low and intermediate energy ranges. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 2319-2326.	0.6	7
40	Cross-section measurements of photoabsorption and ionization quantum yields for tetrahydrofuran in the vacuum-ultraviolet energy range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 235204.	0.6	7
41	Cross sections for elastic electron scattering by tetramethylsilane in the intermediate-energy range. <i>Physical Review A</i> , 2011, 84, .	1.0	7
42	Experimental and theoretical investigations on photoabsorption and photoionization of trimethylphosphate in the vacuum-ultraviolet energy range. <i>Journal of Chemical Physics</i> , 2012, 137, 184305.	1.2	7
43	Electron collisions with small esters: A joint experimental-theoretical investigation. <i>Physical Review A</i> , 2016, 93, .	1.0	7
44	Experimental study on electron-hexafluoroethane (C_2F_6) collisions in the low- and intermediate-energy ranges. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 3477-3487.	0.6	6
45	Multiple photoionization of Ar in the K-edge region: New results. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 155, 109-112.	0.8	6
46	Relativistic and Interchannel Coupling Effects in Photoionization Angular Distributions By Synchrotron Spectroscopy of Laser Cooled Atoms. <i>Physical Review Letters</i> , 2004, 93, 183001.	2.9	5
47	Secondary ion emission induced by fission fragment impact in CO_2/NH_3 and $\text{CO}_2/\text{NH}_3/\text{H}_2\text{O}$ ices: modification in the CO_2/NH_3 ice structure. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1333-1341.	0.7	5
48	Site selective dissociation of ozone upon core excitation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 245-249.	0.8	5
49	Elastic scattering of electrons from chloroform. <i>Physical Review A</i> , 2019, 100, .	1.0	5
50	Dissociative photoionization of the tetramethyl silane molecule, $\text{Si}(\text{CH}_3)_4$, around the Si 1s edge. <i>International Journal of Mass Spectrometry</i> , 2008, 278, 32-37.	0.7	4
51	Elastic electron scattering from formamide. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 095201.	0.6	4
52	Photoabsorption and Photoionization Cross Sections of Pyridine in the Vacuum-Ultraviolet Energy Range. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5164-5170.	1.1	3
53	The electronic excited states of dichloromethane in the 5.8-10.8 eV energy range investigated by experimental and theoretical methods. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107172.	1.1	3
54	Cross Sections and Asymmetry Parameters for Formic Acid in the Vacuum-Ultraviolet Energy Range. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6478-6485.	1.1	2

#	ARTICLE	IF	CITATIONS
55	Polymeric nanowrinkles: surface modification of polypropylene films in the VUV energy range. Journal of Materials Science, 2021, 56, 9532-9543.	1.7	2
56	Analysis of microbial lipids deposited on Mars Global Simulant (MGS-1) by geomatrix-assisted laser desorption/ionization-mass spectrometry. International Journal of Astrobiology, 2021, 20, 234-240.	0.9	1
57	Elastic electron collisions with trimethyl phosphate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 075203.	0.6	1
58	Elastic and absorption electron collisions with acetaldehyde. European Physical Journal D, 2021, 75, 1.	0.6	1
59	Elastic electron scattering from chlorobenzene. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 54, 035201.	0.6	1
60	Photostability studies of prebiotic molecules at the VUV region. Journal of Physics: Conference Series, 2014, 488, 022035.	0.3	0
61	Volatile organic compounds stability at exoplanetary atmospheres. Proceedings of the International Astronomical Union, 2018, 14, 273-275.	0.0	0
62	SYNCHROTRON-RADIATION-BASED RECOIL ION MOMENTUM SPECTROSCOPY OF LASER COOLED AND TRAPPED CESIUM ATOMS. , 2006, , .		0