

Robert Richter

List of Publications by Year in descending order

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221
papers

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81743

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221
all docs

221
docs citations

221
times ranked

3154
citing authors

#	ARTICLE	IF	CITATIONS
1	The high resolution Gas Phase Photoemission beamline, Elettra. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 959-964.	0.8	201
2	Double-core-hole spectroscopy for chemical analysis with an intense X-ray femtosecond laser. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16912-16915.	3.3	165
3	A theoretical and experimental study of the near edge X-ray absorption fine structure (NEXAFS) and X-ray photoelectron spectra (XPS) of nucleobases: Thymine and adenine. Chemical Physics, 2008, 347, 360-375.	0.9	142
4	Tautomerism in Cytosine and Uracil: An Experimental and Theoretical Core Level Spectroscopic Study. Journal of Physical Chemistry A, 2009, 113, 5736-5742.	1.1	113
5	Investigation of the Amino Acids Glycine, Proline, and Methionine by Photoemission Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 10998-11005.	1.1	109
6	Experimental Verification of the Chemical Sensitivity of Two-Site Double Core-Hole States Formed by an X-Ray Free-Electron Laser. Physical Review Letters, 2012, 108, 153003.	2.9	103
7	Dynamics of Hollow Atom Formation in Intense X-Ray Pulses Probed by Partial Covariance Mapping. Physical Review Letters, 2013, 111, 073002.	2.9	83
8	Vibrationally resolved oxygen K α spectra of O ₂ and CO. Chemical Physics Letters, 1999, 306, 269-274.	1.2	80
9	Near Edge X-ray Absorption Spectra of Some Small Polyatomic Molecules. Journal of Physical Chemistry A, 2003, 107, 1955-1963.	1.1	80
10	Core Level Study of Alanine and Threonine. Journal of Physical Chemistry A, 2008, 112, 7806-7815.	1.1	80
11	Electronic structure of aromatic amino acids studied by soft x-ray spectroscopy. Journal of Chemical Physics, 2009, 131, 035103.	1.2	80
12	A modular end-station for atomic, molecular, and cluster science at the low density matter beamline of FERMI@Elettra. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164007.	0.6	78
13	Tautomerism in Cytosine and Uracil: A Theoretical and Experimental X-ray Absorption and Resonant Auger Study. Journal of Physical Chemistry A, 2010, 114, 10270-10276.	1.1	77
14	Influence of the Radiative Decay on the Cross Section for Double Excitations in Helium. Physical Review Letters, 1999, 83, 947-950.	2.9	75
15	Acetylacetone photodynamics at a seeded free-electron laser. Nature Communications, 2018, 9, 63.	5.8	72
16	Novel Collective Autoionization Process Observed in Electron Spectra of He Clusters. Physical Review Letters, 2014, 112, 073401.	2.9	70
17	Determining the polarization state of an extreme ultraviolet free-electron laser beam using atomic circular dichroism. Nature Communications, 2014, 5, 3648.	5.8	69
18	Observation of Triplet Doubly Excited States in Single Photon Excitation from Ground State Helium. Physical Review Letters, 2001, 86, 2758-2761.	2.9	67

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19	An Experimental and Theoretical Core-Level Study of Tautomerism in Guanine. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9376-9385.	1.1	64
20	An X-ray absorption study of glycine, methionine and proline. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 155, 47-53.	0.8	62
21	A photoelectron velocity map imaging spectrometer for experiments combining synchrotron and laser radiations. <i>Review of Scientific Instruments</i> , 2011, 82, 033109.	0.6	59
22	Radiative and Relativistic Effects in the Decay of Highly Excited States in Helium. <i>Physical Review Letters</i> , 2000, 85, 1202-1205.	2.9	56
23	Photoemission and the shape of amino acids. <i>Chemical Physics Letters</i> , 2007, 442, 429-433.	1.2	56
24	Photofragmentation of guanine, cytosine, leucine and methionine. <i>Chemical Physics</i> , 2007, 334, 53-63.	0.9	54
25	Collective Autoionization in Multiply-Excited Systems: A novel ionization process observed in Helium Nanodroplets. <i>Scientific Reports</i> , 2014, 4, 3621.	1.6	54
26	Valence photoionization and photofragmentation of aromatic amino acids. <i>Molecular Physics</i> , 2008, 106, 1143-1153.	0.8	53
27	The soft X-ray absorption spectrum of the allyl free radical. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1310-1318.	1.3	53
28	Photoemission and Photoabsorption Spectroscopy of Glycyl-Glycine in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10726-10733.	1.1	51
29	Angular and energy distribution of fragment ions in dissociative double photoionization of acetylene molecules at 39 eV. <i>Journal of Chemical Physics</i> , 2012, 136, 204302.	1.2	51
30	Electronic state resolved PEPICO spectroscopy of pyrimidine. <i>Physica Scripta</i> , 2008, 78, 058105.	1.2	49
31	Kinetic Energy Release in molecular dications fragmentation after VUV and EUV ionization and escape from planetary atmospheres. <i>Planetary and Space Science</i> , 2014, 99, 149-157.	0.9	49
32	Double Photoionization of CO ₂ Molecules in the 34-50 eV Energy Range. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14755-14759.	1.1	48
33	Charge Transfer and Penning Ionization of Dopants in or on Helium Nanodroplets Exposed to EUV Radiation. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4394-4403.	1.1	48
34	Extreme ultraviolet ionization of pure He nanodroplets: Mass-correlated photoelectron imaging, Penning ionization, and electron energy-loss spectra. <i>Journal of Chemical Physics</i> , 2013, 139, 084301.	1.2	47
35	Production of ions at high energy and its role in extraterrestrial environments. <i>Rendiconti Lincei</i> , 2013, 24, 53-65.	1.0	45
36	Double photoionization of N ₂ O molecules in the 28-40 eV energy range. <i>Chemical Physics Letters</i> , 2006, 432, 398-402.	1.2	44

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37	Dissociative double photoionization of CO ₂ molecules in the 36–49 eV energy range: angular and energy distribution of ion products. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5389.	1.3	43
38	Highly efficient double ionization of mixed alkali dimers by intermolecular Coulombic decay. <i>Nature Physics</i> , 2019, 15, 247-250.	6.5	43
39	Dissociative double photoionization of benzene molecules in the 26–33 eV energy range. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8245.	1.3	41
40	The Role of the Partner Atom and Resonant Excitation Energy in Interatomic Coulombic Decay in Rare Gas Dimers. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1797-1801.	2.1	41
41	Low-lying electronic states of HBr ₂ ⁺ . <i>Journal of Chemical Physics</i> , 2004, 120, 6985-6991.	1.2	38
42	The double photoionization of HCl: An ion–electron coincidence study. <i>Journal of Chemical Physics</i> , 2004, 121, 10508-10512.	1.2	38
43	Anisotropy of the angular distribution of fragment ions in dissociative double photoionization of N ₂ O molecules in the 30–50 eV energy range. <i>Journal of Chemical Physics</i> , 2007, 126, 201101.	1.2	37
44	Core level ionization dynamics in small molecules studied by x-ray-emission threshold-electron coincidence spectroscopy. <i>Physical Review A</i> , 2005, 71, .	1.0	36
45	Enhanced Ionization of Embedded Clusters by Electron-Transfer-Mediated Decay in Helium Nanodroplets. <i>Physical Review Letters</i> , 2016, 116, 203001.	2.9	36
46	Mass spectrometric study of double photoionization of HBr molecules. <i>Journal of Chemical Physics</i> , 2002, 117, 1098-1102.	1.2	35
47	Threshold-photoelectron-spectroscopy-coincidence study of the double photoionization of HBr. <i>Journal of Chemical Physics</i> , 2004, 120, 6980-6984.	1.2	35
48	Theoretical and Experimental Study of Valence-Shell Ionization Spectra of Guanine. <i>Journal of Physical Chemistry A</i> , 2009, 113, 15142-15149.	1.1	34
49	Dissociative double photoionization of singly deuterated benzene molecules in the 26–33 eV energy range. <i>Journal of Chemical Physics</i> , 2011, 135, 144304.	1.2	34
50	Ultrafast relaxation of photoexcited superfluid He nanodroplets. <i>Nature Communications</i> , 2020, 11, 112.	5.8	34
51	Photodouble ionization beyond the helium case. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 141, 105-119.	0.8	32
52	Inner shell excitation spectroscopy of the tetrahedral molecules CX ₄ (X = H, F, Cl). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 61-75.	0.6	31
53	Lifetime and kinetic energy release of metastable dications dissociation. <i>Chemical Physics</i> , 2012, 398, 134-141.	0.9	31
54	Using covariance mapping to investigate the dynamics of multi-photon ionization processes of Ne atoms exposed to X-FEL pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 164034.	0.6	31

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55	High Resolution Multiphoton Spectroscopy by a Tunable Free-Electron-Laser Light. Physical Review Letters, 2014, 113, 193201.	2.9	31
56	Site- and state-selected photofragmentation of 2Br-pyrimidine. Physical Chemistry Chemical Physics, 2015, 17, 24063-24069.	1.3	31
57	The escape of O ⁺ ions from the atmosphere: An explanation of the observed ion density profiles on Mars. Chemical Physics Letters, 2016, 666, 1-6.	1.2	30
58	X-ray Spectroscopy of Heterocyclic Biochemicals: Xanthine, Hypoxanthine, and Caffeine. Journal of Physical Chemistry A, 2012, 116, 5653-5664.	1.1	29
59	Experimental Determination of the Lifetime for the 2p3d(P01)Helium Doubly Excited State. Physical Review Letters, 2003, 90, 153004.	2.9	28
60	Evidence of sequential interatomic decay in argon trimers obtained by electron triple-ion coincidence spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, F1-F7.	0.6	28
61	Covariance mapping of two-photon double core hole states in C ₂ H ₂ and C ₂ H ₆ produced by an x-ray free electron laser. New Journal of Physics, 2015, 17, 073002.	1.2	28
62	Interatomic Coulombic decay in helium nanodroplets. Physical Review A, 2017, 96, .	1.0	27
63	Insights into 2- and 4(5)-Nitroimidazole Decomposition into Relevant Ions and Molecules Induced by VUV Ionization. Journal of Physical Chemistry A, 2018, 122, 4031-4041.	1.1	27
64	High-resolution inner-shell photoabsorption of the OH and OD free radicals. Journal of Chemical Physics, 2002, 116, 3676-3680.	1.2	26
65	Molecular Dications in Planetary Atmospheric Escape. Atmosphere, 2016, 7, 112.	1.0	26
66	Fluorescence Emission of Excited Hydrogen Atoms after Core Excitation of Water Vapor. Physical Review Letters, 2006, 96, 063003.	2.9	25
67	Communication: "Position" does matter: The photofragmentation of the nitroimidazole isomers. Journal of Chemical Physics, 2016, 145, 191102.	1.2	25
68	Probing the potential energy surface by high-resolution x-ray absorption spectroscopy: The umbrella motion of the core-excited C_2H_3 radical. Physical Review A, 2007, 76, .	1.0	24
69	Photoion mass spectroscopy and valence photoionization of hypoxanthine, xanthine and caffeine. Chemical Physics, 2009, 358, 33-38.	0.9	24
70	Selectivity in fragmentation of N-methylacetamide after resonant K-shell excitation. Physical Chemistry Chemical Physics, 2014, 16, 15231.	1.3	24
71	Charge Exchange Dominates Long-Range Interatomic Coulombic Decay of Excited Metal-Doped Helium Nanodroplets. Journal of Physical Chemistry Letters, 2019, 10, 6904-6909.	2.1	23
72	New Method for Measuring Angle-Resolved Phases in Photoemission. Physical Review X, 2020, 10, .	2.8	23

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73	The double photoionization of hydrogen iodide molecules. Journal of Chemical Physics, 2006, 124, 204318.	1.2	22
74	Detection of the Pe_1 Series of Doubly Excited Helium States below $N=2$ via the Stark Effect. Physical Review Letters, 2006, 96, 093001.	2.9	21
75	Detailed observations of photo-accessible triplet doubly excited states in helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 4339-4350.	0.6	20
76	Double core-hole formation in small molecules at the LCLS free electron laser. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164030.	0.6	19
77	Penning Ionization of Acene Molecules by Helium Nanodroplets. Journal of Physical Chemistry A, 2018, 122, 1855-1860.	1.1	19
78	Experimental and Theoretical Photoemission Study of Indole and Its Derivatives in the Gas Phase. Journal of Physical Chemistry A, 2020, 124, 4115-4127.	1.1	19
79	Gas-Phase Photoemission Study of 2-Mercaptobenzoxazole. Journal of Physical Chemistry A, 2000, 104, 9675-9680.	1.1	18
80	Fluorescence emission following core excitations in the water molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 1101-1112.	0.6	18
81	Branching ratios in the radiative decay of helium doubly excited states. Physical Review A, 2005, 72, .	1.0	17
82	Pump-probe studies of autoionizing states of noble gases combining laser and synchrotron radiation – The $n\epsilon^2$ Rydberg states of neon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 502-508.	0.7	17
83	Disentangling formation of multiple-core holes in aminophenol molecules exposed to bright X-FEL radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 244003.	0.6	17
84	Single Photon Thermal Ionization of C . Physical Review Letters, 2017, 118, 103001.	2.9	17
85	Double Excitations of Helium in Weak Static Electric Fields. Physical Review Letters, 2006, 96, 043002.	2.9	16
86	Valence Shell Photoelectron Spectroscopy of Pyrene and Fluorene: Photon Energy Dependence in the Far-Ultraviolet Region. Journal of Physical Chemistry A, 2014, 118, 3128-3135.	1.1	16
87	Experimental and theoretical XPS and NEXAFS studies of N-methylacetamide and N-methyltrifluoroacetamide. Physical Chemistry Chemical Physics, 2016, 18, 2210-2218.	1.3	16
88	Gas-Phase Experimental and Theoretical Near Edge X-ray Absorption Fine Structure Study of 2-Mercaptobenzothiazole. Journal of Physical Chemistry A, 2001, 105, 7308-7314.	1.1	15
89	Observation of core-hole double excitations in water using fluorescence spectroscopy. Physical Review A, 2007, 75, .	1.0	15
90	Photoelectron angular distributions from polarized Ne atoms near threshold. Physical Review A, 2010, 82, .	1.0	15

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91	Autoionization dynamics of helium nanodroplets resonantly excited by intense XUV laser pulses. <i>New Journal of Physics</i> , 2020, 22, 083043.	1.2	15
92	Ultraviolet photolysis of HOCl: REMPI measurement of the relative population of chlorine atom (2P) spin-orbit states. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 17-21.	1.7	14
93	X-RAY ABSORPTION SPECTRA OF SOME SMALL POLYATOMIC MOLECULES. <i>Surface Review and Letters</i> , 2002, 09, 159-164.	0.5	14
94	A new system for photon induced fluorescence spectroscopy applied to the study of doubly excited states of helium. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 39-42.	0.8	14
95	Observation of the spin-orbit activated interchannel coupling in the 3d photoionization of caesium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 765-771.	0.6	14
96	Near-threshold photoelectron angular distributions from two-photon resonant photoionization of He. <i>New Journal of Physics</i> , 2013, 15, 013023.	1.2	14
97	Angular distribution and circular dichroism in the two-colour XUV+NIR above-threshold ionization of helium. <i>Journal of Modern Optics</i> , 2016, 63, 367-382.	0.6	14
98	Electron transfer mediated decay of alkali dimers attached to He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8557-8564.	1.3	14
99	Angular distribution of the fluorescence of helium doubly photo-excited states converging on the He+(N= 2) ionization threshold. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 4351-4359.	0.6	13
100	Fluorescence study of doubly excited states of molecular hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 205-213.	0.6	13
101	Fluorescence emission from photo-fragments after resonant S 2p excitations in H2S. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 389-395.	1.3	13
102	Angular and energy distributions of fragment ions in dissociative double photoionization of acetylene molecules in the 31.9-50.0 eV photon energy range. <i>Journal of Chemical Physics</i> , 2016, 145, 114308.	1.2	13
103	Double photoionization of propylene oxide: A coincidence study of the ejection of a pair of valence-shell electrons. <i>Journal of Chemical Physics</i> , 2018, 148, 114302.	1.2	13
104	Insights into the dissociative ionization of glycine by PEPICO experiments. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 22841-22848.	1.3	13
105	Photoelectron spectroscopy (PES) study of gas-phase 2,5-(2,2'-dithienyl)diethynyl-thiophene (TRIM): an experimental and theoretical study. <i>Chemical Physics Letters</i> , 2001, 340, 449-457.	1.2	12
106	Gas-Phase Photoemission Study of 2-Mercaptobenzothiazole. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2833-2837.	1.1	12
107	NEXAFS spectroscopy and site-specific fragmentation of <i>N</i> -methylformamide, <i>N,N</i> -dimethylformamide, and <i>N,N</i> -dimethylacetamide. <i>Journal of Chemical Physics</i> , 2016, 144, 244310.	1.2	12
108	Penning spectroscopy and structure of acetylene oligomers in He nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10149-10157.	1.3	12

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109	A study of the S ₂ (X 3 $\hat{\Sigma}^{\prime}$ g) molecule by multiphoton ionization spectroscopy. <i>Chemical Physics</i> , 1992, 166, 229-239.	0.9	11
110	A velocity map imaging apparatus for gas phase studies at FERMI@Elettra. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 284, 69-73.	0.6	11
111	Smart Decomposition of Cyclic Alanine-Alanine Dipeptide by VUV Radiation: A Seed for the Synthesis of Biologically Relevant Species. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7379-7386.	2.1	11
112	Photoabsorption and resonant photoemission in the region of Ne 1s double excitations. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 43-46.	0.8	10
113	Vibrationally resolved photoionization of N ₂ near threshold. <i>Journal of Chemical Physics</i> , 2012, 136, 104307.	1.2	10
114	Control of H^+ Dissociative Ionization in the Nonlinear Regime Using Vacuum Ultraviolet Free-Electron Laser Pulses. <i>Physical Review Letters</i> , 2018, 121, 103002.	2.9	10
115	Radiation Damage Mechanisms of Chemotherapeutically Active Nitroimidazole Derived Compounds. <i>Frontiers in Chemistry</i> , 2019, 7, 329.	1.8	10
116	Photoabsorption cross section and ion-yield spectra of helium double-excitation resonances. <i>Physical Review A</i> , 2003, 68, .	1.0	9
117	X-ray-emission-threshold-electron coincidence spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 141, 161-170.	0.8	9
118	Magnetic-Field Induced Enhancement in the Fluorescence Yield Spectrum of Doubly Excited States in Helium. <i>Physical Review Letters</i> , 2006, 97, 253002.	2.9	9
119	Fano resonances observed in helium nanodroplets. <i>Physical Review A</i> , 2016, 93, .	1.0	9
120	A general approach to study molecular fragmentation and energy redistribution after an ionizing event. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1859-1867.	1.3	9
121	The Escape Probability of Some Ions from Mars and Titan Ionospheres. <i>Lecture Notes in Computer Science</i> , 2014, , 554-570.	1.0	9
122	Resonance enhanced multiphoton ionization spectroscopy of the NF molecule: 1,3 $\hat{\Pi}$ 3d and 4d Rydberg states. <i>Journal of Chemical Physics</i> , 1995, 102, 1515-1527.	1.2	8
123	Effect of electric fields on the decay branching ratio of Pe1 doubly excited states in helium measured by time-resolved fluorescence. <i>Physical Review A</i> , 2006, 74, .	1.0	8
124	Excitation of S ₁ and S ₃ Metastable Helium Atoms to Doubly Excited States. <i>Physical Review Letters</i> , 2009, 102, 153001.	2.9	8
125	Ionization and photofragmentation of Ru ₃ (CO) ₁₂ and Os ₃ (CO) ₁₂ . <i>Journal of Chemical Physics</i> , 2015, 143, 154305.	1.2	8
126	Inelastic scattering of photoelectrons from He nanodroplets. <i>Journal of Chemical Physics</i> , 2019, 150, 044304.	1.2	8

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127	Core Shell Investigation of 2-nitroimidazole. <i>Frontiers in Chemistry</i> , 2019, 7, 151.	1.8	8
128	Resonance enhanced multiphoton ionization spectroscopy of the NF molecule: $1\hat{\Sigma}^+$ and $1\hat{\Pi}^+$ 3p Rydberg states. <i>Journal of Chemical Physics</i> , 1993, 99, 6360-6368.	1.2	7
129	The umbrella motion of core-excited CH ₃ and CD ₃ methyl radicals. <i>Journal of Chemical Physics</i> , 2008, 128, 044302.	1.2	7
130	Experimental confirmation of photon-induced spin-flip transitions in helium via triplet metastable yield spectra. <i>Physical Review A</i> , 2010, 81, .	1.0	7
131	O 1s excitation and ionization processes in the CO ₂ molecule studied via detection of low-energy fluorescence emission. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 165103.	0.6	7
132	Time-resolved study of excited states of N ₂ near its first ionization threshold. <i>Journal of Chemical Physics</i> , 2011, 134, 114312.	1.2	7
133	Experimental and theoretical study of the chemi-ionization in thermal collisions of Ne Rydberg atoms. <i>Physical Review A</i> , 2012, 85, .	1.0	7
134	Production of excited H atoms at the C 1s edge of the methane molecule studied by VUV-photon photoion and metastable-fragment photoion coincidence experiments. <i>Physical Review A</i> , 2013, 88, .	1.0	7
135	A tandem time-of-flight spectrometer for negative ion/positive ion coincidence measurements with soft x-ray excitation. <i>Review of Scientific Instruments</i> , 2016, 87, 013109.	0.6	7
136	Vacuum ultraviolet photoionization and ionic fragmentation of the isoxazole molecules. <i>International Journal of Mass Spectrometry</i> , 2020, 449, 116276.	0.7	7
137	Resonant Auger electron-ion-coincidence spectroscopy of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -methyltrifluoroacetamide: Site-specific fragmentation studies. <i>Physical Review A</i> , 2020, 102, .	1.0	7
138	Competitive Dehydrogenation and Backbone Fragmentation of Superhydrogenated PAHs: A Laboratory Study. <i>Astrophysical Journal</i> , 2021, 913, 46.	1.6	7
139	A study of the F $2\hat{\Pi}^+$ Rydberg state of NS by resonance-enhanced multiphoton-ionization spectroscopy. <i>Chemical Physics Letters</i> , 1991, 185, 433-439.	1.2	6
140	High resolution K-edge spectroscopy of oxygen transient species: the metastable O ₂ $a1\hat{\Pi}^g$ molecule and the O (3P) atom. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 85-92.	0.8	6
141	Experimental investigation of the interatomic Coulombic decay in NeAr dimers. <i>Physical Review A</i> , 2014, 90, .	1.0	6
142	Negative-Ion/Positive-Ion Coincidence Yields of Core-Excited Water. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6389-6393.	1.1	6
143	Yields and Time-of-Flight Spectra of Neutral High-Rydberg Fragments at the K Edges of the CO ₂ Molecule. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4360-4367.	1.1	6
144	A compact design for velocity-map imaging of energetic electrons and ions. <i>Journal of Chemical Physics</i> , 2017, 147, 013942.	1.2	6

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145	Angular Distribution of Ion Products in the Double Photoionization of Propylene Oxide. <i>Frontiers in Chemistry</i> , 2019, 7, 621.	1.8	6
146	Experimental and Theoretical Soft X-ray Study of Nicotine and Related Compounds. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4025-4035.	1.1	6
147	Positional and Conformational Isomerism in Hydroxybenzoic Acid: A Core-Level Study and Comparison with Phenol and Benzoic Acid. <i>Journal of Physical Chemistry A</i> , 2021, 125, 9877-9891.	1.1	6
148	Comprehensive survey of dissociative photoionization of quinoline by PEPICO experiments. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	6
149	Autoionisation of superexcited states in N ₂ to the N ₂ ⁺ B state. <i>Chemical Physics Letters</i> , 2003, 372, 139-146.	1.2	5
150	A theoretical study of the 1B ₁ (O 1s $\hat{A}\hat{A}^*$) and 1A ₁ (O 1s $\hat{A}\hat{A}3s$) excited states of formaldehyde. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3805-3816.	0.6	5
151	The resonant 4d photoemission spectrum of atomic cesium. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 67-70.	0.8	5
152	Velocity-map imaging of near-threshold photoelectrons in Ne and Ar. <i>Physical Review A</i> , 2011, 84, .	1.0	5
153	Publisher's Note: Experimental Verification of the Chemical Sensitivity of Two-Site Double Core-Hole States Formed by an X-Ray Free-Electron Laser [Phys. Rev. Lett. 108 (2012)]. <i>Physical Review Letters</i> , 2012, 108, .	2.9	5
154	Field ionization of high-Rydberg fragments produced after inner-shell photoexcitation and photoionization of the methane molecule. <i>Journal of Chemical Physics</i> , 2015, 143, 114305.	1.2	5
155	Soft X-ray absorption spectroscopy of Ar ₂ and ArNe dimers and small Ar clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22160-22169.	1.3	5
156	The multielectron character of the S 2p \hat{A} '4eg shape resonance in the SF ₆ molecule studied via detection of soft X-ray emission and neutral high-Rydberg fragments. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 209, 26-33.	0.8	5
157	Impulsive laser-induced alignment of OCS molecules at FERMI. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19733-19739.	1.3	5
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