Marc Simon

List of Publications by Year in descending order

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204 papers	5,393 citations	81900 39 h-index	114465 63 g-index
207 all docs	207 docs citations	207 times ranked	3248 citing authors

#	Article	IF	Citations
1	Roadmap of ultrafast x-ray atomic and molecular physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 032003.	1.5	240
2	Ultra-efficient ionization of heavy atoms by intense X-ray free-electron laser pulses. Nature Photonics, 2012, 6, 858-865.	31.4	218
3	Imaging charge transfer in iodomethane upon x-ray photoabsorption. Science, 2014, 345, 288-291.	12.6	183
4	Observation of the fastest chemical processes in the radiolysis of water. Science, 2020, 367, 179-182.	12.6	149
5	Femtosecond response of polyatomic molecules to ultra-intense hard X-rays. Nature, 2017, 546, 129-132.	27.8	139
6	The GALAXIES beamline at the SOLEIL synchrotron: inelastic X-ray scattering and photoelectron spectroscopy in the hard X-ray range. Journal of Synchrotron Radiation, 2015, 22, 175-179.	2.4	127
7	Resonant Auger decay driving intermolecular Coulombic decay in molecular dimers. Nature, 2014, 505, 664-666.	27.8	119
8	Time-Resolved Measurement of Interatomic Coulombic Decay in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ne</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 111, 093402.	7.8	117
9	Ultrafast Charge Rearrangement and Nuclear Dynamics upon Inner-Shell Multiple Ionization of Small Polyatomic Molecules. Physical Review Letters, 2013, 110, 053003.	7.8	98
10	Ionic fragmentation ofK-shell excited and ionized CO. Physical Review A, 1988, 37, 2448-2466.	2.5	95
11	Hard X-ray photoelectron spectroscopy on the GALAXIES beamline at the SOLEIL synchrotron. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 188-192.	1.7	94
12	Multicoincidence mass spectrometry applied to hexamethyldisilane excited around the silicon 2p edge. The Journal of Physical Chemistry, 1993, 97, 5228-5237.	2.9	87
13	Site-Selective Photochemistry of Core Excited Molecules: Role of the Internal Energy. Physical Review Letters, 1998, 81, 4104-4107.	7.8	78
14	Observation of Site-Specific Electron Emission in the Decay of SuperexcitedO2. Physical Review Letters, 1997, 79, 4554-4557.	7.8	77
15	Dissociation dynamics of core excited N2O. Journal of Chemical Physics, 1993, 98, 2534-2540.	3.0	75
16	A photoelectron-ion multiple coincidence technique applied to core ionization of molecules. Nuclear Instruments & Methods in Physics Research B, 1991, 62, 167-174.	1.4	73
17	Acetylacetone photodynamics at a seeded free-electron laser. Nature Communications, 2018, 9, 63.	12.8	72
18	New high luminosity â€œdouble toroidalâ€•electron spectrometer. Review of Scientific Instruments, 1997, 68, 3728-3737.	1.3	69

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19	Correlation between Nuclear Motion in the Core-ExcitedCF4Molecule and Molecular Dissociation after Resonant Auger Decay. Physical Review Letters, 1999, 83, 3800-3803.	7.8	65
20	Role of bending in the dissociation of selective resonant inner-shell excitation as observed inCO2. Physical Review A, 2000, 61, .	2.5	63
21	Femtosecond nuclear motion ofHClprobed by resonant x-ray Raman scattering in the Cl1sregion. Physical Review A, 2006, 73, .	2.5	63
22	Selecting core-hole localization or delocalization in CS2 by photofragmentation dynamics. Nature Communications, 2015, 6, 6166.	12.8	59
23	Charge transfer in dissociating iodomethane and fluoromethane molecules ionized by intense femtosecond X-ray pulses. Structural Dynamics, 2016, 3, 043207.	2.3	59
24	Double-Core-Hole States in Neon: Lifetime, Post-Collision Interaction, and Spectral Assignment. Physical Review Letters, 2016, 117, 133001.	7.8	59
25	Resonance-enhanced multiple ionization of krypton at an x-ray free-electron laser. Physical Review A, 2013, 87, .	2.5	57
26	From double-slit interference to structural information in simple hydrocarbons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15201-15206.	7.1	57
27	Nuclear Motion of Core ExcitedBF3Probed by High Resolution Resonant Auger Spectroscopy. Physical Review Letters, 1997, 79, 3857-3860.	7.8	55
28	Hard x-ray photoelectron spectroscopy: a snapshot of the state-of-the-art in 2020. Journal of Physics Condensed Matter, 2021, 33, 233001.	1.8	55
29	Charge separation in core excited argon clusters. Journal of Chemical Physics, 1991, 95, 6544-6550.	3.0	54
30	Coulomb-explosion imaging of concurrent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">CH</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="bold">BrI</mml:mi></mml:mrow></mml:math> photodissociation dynamics. Physical Review A, 2017, 96, .	2.5	50
31	Coulomb explosion imaging of CH3I and CH2ClI photodissociation dynamics. Journal of Chemical Physics, 2018, 149, 204313.	3.0	46
32	Atomic Auger Doppler effects upon emission of fast photoelectrons. Nature Communications, 2014, 5, 4069.	12.8	44
33	Fragmentation of methyl chloride photoexcited near Cl (2p) by mass spectrometry. Journal of Chemical Physics, 1994, 101, 7548-7553.	3.0	43
34	H2+formation fromH2O+mediated by the core-excitation-induced nuclear motion inH2O. Physical Review A, 2001, 63, .	2.5	43
35	Dissociation dynamics of core-excited BF3 probed by the photoelectronâ€"photoionâ€"photoion coincidence. Chemical Physics Letters, 1995, 238, 42-46.	2.6	41
36	Electronic State Interferences in Resonant X-Ray Emission afterK-Shell Excitation in HCl. Physical Review Letters, 2010, 105, 113004.	7.8	41

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37	Direct Observation of Double-Core-Hole Shake-Up States in Photoemission. Physical Review Letters, 2015, 114, 093001.	7.8	41
38	Time-resolved inner-shell photoelectron spectroscopy: From a bound molecule to an isolated atom. Physical Review A, 2018, 97, .	2.5	40
39	Siteâ€selective fragmentation in coreâ€excited bromoâ€chloroâ€alkanes [Br(CH2)nCl]. Journal of Chemical Physics, 1994, 101, 3742-3749.	3.0	39
40	Auger electronâ€“ion coincidence studies to probe molecular dynamics. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 171-181.	1.7	39
41	Ultrafast Dynamics in Postcollision Interaction after Multiple Auger Decays in Argon<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:math>Photoionization. Physical Review Letters, 2012, 109, 013001.	7.8	39
42	Photodissociation of core excited molecules. Journal of Electron Spectroscopy and Related Phenomena, 1990, 52, 623-648.	1.7	38
43	Postcollision interaction effects inKLLAuger spectra following argon1sphotoionization. Physical Review A, 2015, 92, .	2.5	37
44	Hard-X-Ray-Induced Multistep Ultrafast Dissociation. Physical Review Letters, 2016, 116, 213001.	7.8	36
45	Molecular deformation in the O1sâ^'12Ï€uexcited states ofCO2probed by the triple-differential measurement of fragment ions. Physical Review A, 2000, 62, .	2.5	35
46	Resonant double Auger decay in carbon<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="italic">K</mml:mi></mml:math>-shell excitation of CO. Physical Review A, 2008, 77, .	2.5	34
47	Dynamical Angular Correlation in Molecular Auger Decay.. Physical Review Letters, 2001, 87, 203001.	7.8	33
48	Development of a four-element conical electron lens dedicated to high resolution Auger electronâ€“ion(s) coincidence experiments. Review of Scientific Instruments, 2002, 73, 3885-3894.	1.3	33
49	Electron-ion spectroscopy: a probe of molecular dynamics. Journal of Electron Spectroscopy and Related Phenomena, 1998, 93, 49-60.	1.7	32
50	Nuclear motion driven by the Rennerâ€“Teller effect as observed in the resonant Auger decay to the XÌƒ2Î electronic ground state of N2O+. Journal of Chemical Physics, 2001, 115, 864-869.	3.0	31
51	High Resolution Multiphoton Spectroscopy by a Tunable Free-Electron-Laser Light. Physical Review Letters, 2014, 113, 193201.	7.8	31
52	Load Rate and Temperature Dependent Mechanical Properties of the Cortical Neuron and Its Pericellular Layer Measured by Atomic Force Microscopy. Langmuir, 2016, 32, 1111-1119.	3.5	31
53	Chemical Understanding of the Limited Site-Specificity in Molecular Inner-Shell Photofragmentation. Journal of Physical Chemistry Letters, 2018, 9, 1156-1163.	4.6	31
54	Resonant inelastic x-ray scattering at the limit of subfemtosecond natural lifetime. Journal of Chemical Physics, 2011, 134, 144308.	3.0	30

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55	Two-to-one Auger decay of a double<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>L</mml:mi></mml:math>vacancy in argon. Physical Review A, 2016, 93, .	2.5	30
56	High-resolution angle-resolved ion-yield measurements of H2O and D2O in the region of O 1s to Rydberg transitions. Chemical Physics Letters, 2000, 326, 314-320.	2.6	29
57	Core-hole-clock spectroscopies in the tender x-ray domain. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124031.	1.5	29
58	Imaging the Temporal Evolution of Molecular Orbitals during Ultrafast Dissociation. Physical Review Letters, 2016, 117, 243002.	7.8	29
59	Relativistic and resonant effects in the ionization of heavy atoms by ultra-intense hard X-rays. Nature Communications, 2018, 9, 4200.	12.8	29
60	Site Selective Fragmentation with Soft X-rays: From Gaseous Polyatomic Molecules, Free Clusters, Polymers, Adsorbates to Biological Macromolecules. Zeitschrift Fur Physikalische Chemie, 1996, 195, 43-63.	2.8	28
61	Hard x-ray spectroscopy and dynamics of isolated atoms and molecules: a review. Reports on Progress in Physics, 2020, 83, 016401.	20.1	28
62	Resonant Inelastic X-Ray Scattering Reveals Hidden Local Transitions of the Aqueous OH Radical. Physical Review Letters, 2020, 124, 236001.	7.8	28
63	Double photoionization of below the double ionization potential. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 2177-2186.	1.5	27
64	Neutral dissociation of hydrogen following photoexcitation of HCl at the chlorineKedge. Physical Review A, 1998, 57, 2608-2611.	2.5	27
65	New setup for angular distribution measurements of Auger electrons from fixed in space molecules. Review of Scientific Instruments, 2000, 71, 4387.	1.3	27
66	Inner-shell multiple ionization of polyatomic molecules with an intense x-ray free-electron laser studied by coincident ion momentum imaging. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 164031.	1.5	27
67	Effect of sequence features on assembly of spider silk block copolymers. Journal of Structural Biology, 2014, 186, 412-419.	2.8	27
68	Mapping potential energy surfaces by core electron excitation: the resonant Auger decay spectrum of BF3. Chemical Physics Letters, 2002, 359, 48-54.	2.6	26
69	Multipathway dissociation dynamics of core-excited methyl chloride probed by high resolution electron spectroscopy and Auger-electronâ€“ion coincidences. Journal of Chemical Physics, 2008, 128, 154314.	3.0	26
70	Linear Dichroism in Resonant Inelastic X-Ray Scattering to Molecular Spin-Orbit States. Physical Review Letters, 2008, 101, 133003.	7.8	26
71	Subfemtosecond Control of Molecular Fragmentation by Hard X-Ray Photons. Physical Review Letters, 2017, 118, 213001.	7.8	25
72	Resonant Auger spectroscopy on SiF4 and SiCl4 molecules excited around the silicon 2p edge. Journal of Electron Spectroscopy and Related Phenomena, 1998, 93, 95-103.	1.7	24

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73	Nondipolar Electron Angular Distributions from Fixed-in-Space Molecules. Physical Review Letters, 2002, 89, 033002.	7.8	24
74	A new method to derive electronegativity from resonant inelastic x-ray scattering. Journal of Chemical Physics, 2012, 137, 144303.	3.0	23
75	Photofragmentation of third-row hydrides following photoexcitation at deep-core levels. Physical Review A, 1998, 58, 3757-3765.	2.5	22
76	Site selective dissociation upon core ionization of ozone. Chemical Physics Letters, 2007, 435, 214-218.	2.6	22
77	Experimental and theoretical investigation of molecular field effects by polarization-resolved resonant inelastic x-ray scattering. Physical Review A, 2009, 80, .	2.5	22
78	Photon-energy dependence of single-photon simultaneous core ionization and core excitation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review A, 2016, 94, .	2.5	22
79	High spatial resolution two-dimensional position sensitive detector for the performance of coincidence experiments. Review of Scientific Instruments, 2005, 76, 043302.	1.3	21
80	Complex decay patterns in atomic core photoionization disentangled by ion-recoil measurements. Physical Review A, 2011, 84, .	2.5	21
81	Multicoincidence mass spectrometry of core excited molecules. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 401-406.	1.7	20
82	Photoemission in the NO molecular frame induced by soft-x-ray elliptically polarized light above theN(1s)âˆ'1andO(1s)âˆ'1ionization thresholds. Physical Review A, 2007, 75, .	2.5	20
83	Performances of a bent-crystal spectrometer adapted to resonant x-ray emission measurements on gas-phase samples. Review of Scientific Instruments, 2009, 80, 093105.	1.3	20
84	Electronic state-lifetime interference in resonant Auger spectra: a tool to disentangle overlapping core-excited states. Physical Chemistry Chemical Physics, 2016, 18, 15133-15142.	2.8	20
85	Resonant interatomic Coulombic decay in HeNe: Electron angular emission distributions. Physical Review A, 2018, 97, .	2.5	20
86	Dissociation of chloromethanes upon resonant Ïƒ* excitation studied by x-ray scattering. Journal of Chemical Physics, 2013, 139, 134302.	3.0	19
87	Cationic double K-hole pre-edge states of CS2 and SF6. Scientific Reports, 2017, 7, 13317.	3.3	19
88	Hard x-ray photoelectron spectroscopy on heavy atoms and heavy-element containing molecules using synchrotron radiation up to 35 keV at SPring-8 undulator beamlines. New Journal of Physics, 2019, 21, 043015.	2.9	19
89	Scientific Instruments, 1996, 67, 358-364.	1.3	18
90	Resonant inelastic x-ray scattering of methyl chloride at the chlorine K edge. Journal of Chemical Physics, 2012, 136, 024319.	3.0	18

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91	Double momentum spectrometer for ion-electron vector correlations in dissociative photoionization. Review of Scientific Instruments, 2013, 84, 103104.	1.3	18
92	Auger resonant-Raman study at the ArKedge as probe of electronic-state-lifetime interferences. Physical Review A, 2015, 91, .	2.5	18
93	Influence of formation path on the CH2BrCl2+ dissociation dynamics. Journal of Chemical Physics, 2005, 123, 084302.	3.0	17
94	Kâ€“L resonant X-ray Raman scattering as a tool for potential energy surface mapping. Chemical Physics Letters, 2007, 439, 402-406.	2.6	17
95	Potential Energy Surface Reconstruction and Lifetime Determination of Molecular Double-Core-Hole States in the Hard X-Ray Regime. Physical Review Letters, 2017, 119, 133001.	7.8	17
96	Energy Transfer into Molecular Vibrations and Rotations by Recoil in Inner-Shell Photoemission. Physical Review Letters, 2018, 121, 073002.	7.8	17
97	New experimental setup devoted to the Auger electronâ€“ion coincidence spectroscopy. Review of Scientific Instruments, 1995, 66, 1587-1588.	1.3	16
98	Present trends and future perspectives for atomic and molecular physics at the new X-ray light sources. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 98-110.	1.7	16
99	Recoil-induced ultrafast molecular rotation probed by dynamical rotational Doppler effect. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4877-4882.	7.1	16
100	Postcollision-interaction effects in HCl following photofragmentation near the chlorineKedge. Physical Review A, 1998, 57, R4090-R4093.	2.5	15
101	Electron Dynamics in the Core-Excited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>Revealed through Resonant Inelastic X-Ray Scattering Spectroscopy. Physical Review X, 2015, 5, .	8.9	15
102	Experimental and theoretical study of the double-core-hole hypersatellite Auger spectrum of Ne. Physical Review A, 2017, 96, .	2.5	15
103	Ultrafast nuclear dynamics in the doubly-core-ionized water molecule observed via Auger spectroscopy. Physical Review A, 2018, 98, .	2.5	15
104	Photofragmentation study of hexamethyldisiloxane following core ionization and direct double ionization. Journal of Chemical Physics, 2005, 123, 234303.	3.0	14
105	Progress in resonant inelastic X-ray scattering. Journal of Electron Spectroscopy and Related Phenomena, 2013, 188, 1-2.	1.7	14
106	Time-resolved study of ICD in Ne dimers using FEL radiation. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 245-256.	1.7	14
107	X-ray versus Auger emission following Xe 1s photoionization. Physical Review A, 2017, 95, .	2.5	14
108	KL double core hole pre-edge states of HCl. Physical Chemistry Chemical Physics, 2018, 20, 2724-2730.	2.8	14

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109	Multi-ion coincidence measurements of methyl chloride following photofragmentation near the chlorine K-edge. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 2629-2647.	1.5	13
110	Charge transfer in high velocity Cn++ He collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 2593-2603.	1.5	13
111	Angular and dynamical properties in resonant inelastic x-ray scattering: Case study of chlorine-containing molecules. Physical Review A, 2012, 86, .	2.5	13
112	Coupled electron-nuclear dynamics in resonant<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>Ï</mml:mi><mml:mo>†</mml:mo><mml:mi>g</mml:mi><mml:mo>+</mml:mo></mml:mrow></mml:math> Raman scattering of CO molecules. Physical Review A, 2016, 93, .	2.5	13
113	Interplay of complex decay processes after argon <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:mrow></mml:math> ionization. Physical Review A, 2018, 97, .	2.5	13
114	Photoionization of the iodine 3d, 4s, and 4p orbitals in methyl iodide. Journal of Chemical Physics, 2018, 149, 144302.	3.0	13
115	Deep core photoionization of iodine in CH₃I and CF₃I molecules: how deep down does the chemical shift reach?. Physical Chemistry Chemical Physics, 2019, 21, 5448-5454.	2.8	13
116	Role of geometrical cues in neuronal growth. Physical Review E, 2019, 99, 022408.	2.1	13
117	Auger resonant-Raman decay after XeL-edge photoexcitation. Physical Review A, 2015, 92, .	2.5	12
118	Photoelectron recoil in CO in the x-ray region up to 7 keV. Physical Review A, 2017, 95, .	2.5	12
119	Double-core-hole states in CH3CN: Pre-edge structures and chemical-shift contributions. Journal of Chemical Physics, 2018, 149, 134313.	3.0	12
120	Energy-Dependent Relative Cross Sections in Carbon 1s Photoionization: Separation of Direct Shake and Inelastic Scattering Effects in Single Molecules. Journal of Physical Chemistry A, 2019, 123, 7619-7636.	2.5	12
121	Fluorescence-photoion-coincidence spectroscopy on inner shell excited molecules. Chemical Physics, 1994, 187, 143-152.	1.9	11
122	H2S ultrafast dissociation probed by energy-selected resonant Auger electronâ€“ion coincidence measurements. Journal of Chemical Physics, 2007, 127, 114315.	3.0	11
123	Molecular-frame photoelectron angular distribution imaging studies of OCS S1s photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194005.	1.5	11
124	Anomalously strong two-electron one-photon X-ray decay transitions in CO caused by avoided crossing. Scientific Reports, 2016, 6, 20947.	3.3	11
125	Detailed analysis of shake structures in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="italic">KLL</mml:mi></mml:math>Auger spectrum of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">S</mml:mi></mml:mrow></mml:math>. Physical Review A, 2016, 93, .	2.5	11
126	Argon <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>K</mml:mi><mml:mi>L</mml:mi><mml:mi>L</mml:mi></mml:mrow></mml:math> Auger spectrum: Initial states, core-hole lifetimes, shake, and knock-down processes. Physical Review A, 2020, 102, .	2.5	11

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127	Photofragmentation of the Core-Excited s-Tetrazine Molecule Near the Carbon and Nitrogen K Edges. The Journal of Physical Chemistry, 1995, 99, 1733-1740.	2.9	10
128	A review of molecular effects in gas-phase KL X-ray emission. Journal of Electron Spectroscopy and Related Phenomena, 2013, 188, 53-61.	1.7	10
129	Effect of Terminal Modification on the Molecular Assembly and Mechanical Properties of Proteinâ€Based Block Copolymers. Macromolecular Bioscience, 2017, 17, 1700095.	4.1	10
130	Inner-Shell-Ionization-Induced Femtosecond Structural Dynamics of Water Molecules Imaged at an X-Ray Free-Electron Laser. Physical Review X, 2021, 11, .	8.9	10
131	Angular distribution measurements for spin-orbit-state-resolved S2pphotoelectrons ofSF6in the shape-resonance region. Physical Review A, 2001, 63, .	2.5	9
132	Doppler effect in fragment autoionization following core-to-valence excitation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review A, 2010, 82, .	2.5	9
133	Post-collision interaction manifestation in molecular systems probed by photoelectron-molecular ion coincidences. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 215101.	1.5	9
134	VUV photodissociation of thiazole molecule investigated by TOF-MS and photoelectron photoion coincidence spectroscopy. Journal of Mass Spectrometry, 2014, 49, 1163-1170.	1.6	9
135	Structural and dynamical properties of chlorinated hydrocarbons studied with resonant inelastic x-ray scattering. Journal of Chemical Physics, 2016, 144, 134309.	3.0	9
136	Electronic-stateâ€“lifetime interference in the hard-x-ray regime: Argon as a showcase. Physical Review A, 2017, 95, .	2.5	9
137	Photoemission in the molecular frame induced by soft X-ray elliptically polarized light. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 30-37.	1.7	8
138	Resonant inelastic X-ray spectroscopy of atoms and simple molecules: Satellite features and dependence on energy detuning and photon polarization. Journal of Electron Spectroscopy and Related Phenomena, 2015, 204, 356-364.	1.7	8
139	New achievements on relaxation dynamics of atoms and molecules photoexcited in the tender x-ray domain at synchrotron SOLEIL. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 042001.	1.5	8
140	Photoelectronâ€“Auger-electron angular-momentum transfer in core-ionized Ar: Beyond the standard post-collision-interaction model. Physical Review A, 2019, 99, .	2.5	7
141	Fluorescence Time Delay in Multistep Auger Decay as an Internal Clock. Physical Review Letters, 2020, 124, 183001.	7.8	7
142	Single and multiple excitations in double-core-hole states of free water molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 224002.	1.5	7
143	From synchrotrons for XFELs: the soft x-ray near-edge spectrum of the ESCA molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 244011.	1.5	7
144	UV-induced dissociation of CH₂BrI probed by intense femtosecond XUV pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2022, 55, 014001.	1.5	7

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145	Fluorescenceâ€photoionâ€coincidence spectroscopy on ICN core excited molecules. Review of Scientific Instruments, 1995, 66, 1554-1557.	1.3	6
146	Two-photon-induced x-ray emission in neon atoms. Physical Review A, 2010, 82, .	2.5	6
147	Silk-ionomer and silk-tropoelastin hydrogels as charged three-dimensional culture platforms for the regulation of hMSC response. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2549-2564.	2.7	6
148	Detailed assignment of normal and resonant Auger spectra of Xe near the L edges. Physical Review A, 2017, 96, .	2.5	6
149	Photoionization and ionic dissociation of the C₃H₃NS molecule induced by soft Xâ€ray near the C1s edge. Journal of Mass Spectrometry, 2017, 52, 657-663.	1.6	6
150	Angular-momentum transfer due to postcollision interaction in atomic inner ns2 -shell photoionization. Physical Review A, 2017, 95, .	2.5	6
151	Si 1s^{â^'1}, 2s^{â^'1} and 2p^{â^'1} lifetime broadening of SiX₄ (X =) Tj ETQq1 1 0.784314 Chemistry Chemical Physics, 2019, 21, 8827-8836.	2.8	6
152	Deep-core photoionization of krypton atoms below and above the 1s ionization threshold. Physical Review A, 2020, 101, .	2.5	6
153	Unified treatment of recoil and Doppler broadening in molecular high-energy photoemission. New Journal of Physics, 2021, 23, 063077.	2.9	6
154	Pulse Energy and Pulse Duration Effects in the Ionization and Fragmentation of Iodomethane by Ultraintense Hard X Rays. Physical Review Letters, 2021, 127, 093202.	7.8	6
155	Ultrafast dissociation of ammonia: Auger Doppler effect and redistribution of the internal energy. Physical Chemistry Chemical Physics, 2022, 24, 5842-5854.	2.8	6
156	Dissociation of core excited polyatomic molecules: Sequential or concerted processes?. AIP Conference Proceedings, 1993, , .	0.4	5
157	Elastic peak of K shell excited HCl molecule: Comparison HClâ€"DClâ€"Experiment and theory. Journal of Electron Spectroscopy and Related Phenomena, 2007, 155, 91-94.	1.7	5
158	Experimental and theoretical study of X-ray absorption around the chlorine L edge in vinyl chloride. Journal of Electron Spectroscopy and Related Phenomena, 2013, 186, 1-7.	1.7	5
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