Raimund Feifel

List of Publications by Citations

207 papers	4,706 citations	37 h-index	59 g-index
225 ext. papers	5,286 ext. citations	4.3 avg, IF	4.72 L-index

#	Paper	IF	Citations
207	Beam line I411 at MAX II: performance and first results. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 469, 382-393	1.2	214
206	Soft X-ray undulator beam line I411 at MAX-II for gases, liquids and solid samples. *Journal of Electron Spectroscopy and Related Phenomena*, **1999**, 101-103, 953-957	1.7	160
205	Femtosecond interatomic Coulombic decay in free neon clusters: large lifetime differences between surface and bulk. *Physical Review Letters*, **2004**, 93, 173401	7.4	157
204	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, 16912-5	11.5	147
203	Ultrafast X-ray Auger probing of photoexcited molecular dynamics. *Nature Communications*, **2014**, 5, 4235	17.4	117
202	Doppler splitting of In-flight auger decay of dissociating oxygen molecules: the localization of delocalized core holes. *Physical Review Letters*, **2000**, 84, 2826-9	7.4	114
201	Photoionization in the time and frequency domain. *Science*, **2017**, 358, 893-896	33.3	110
200	Deep inner-shell multiphoton ionization by intense x-ray free-electron laser pulses. *Physical Review Letters*, **2013**, 110, 173005	7.4	110
199	Evidence for ultra-fast dissociation of molecular water from resonant Auger spectroscopy. *Chemical Physics Letters*, **2001**, 334, 151-158	2.5	106
198	Multielectron spectroscopy: the xenon 4d hole double auger decay. *Physical Review Letters*, **2005**, 95, 083002	7.4	103
197	Probing ultrafast π/nπ internal conversion in organic chromophores via K-edge resonant absorption. *Nature Communications*, **2017**, 8, 29	17.4	101
196	Double core hole creation and subsequent Auger decay in NH3 and CH4 molecules. *Physical Review Letters*, **2010**, 105, 213005	7.4	96
195	Femtosecond X-ray-induced explosion of C60 at extreme intensity. *Nature Communications*, **2014**, 5, 4281	17.4	95
194	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	7.4	93
193	The size of neutral free clusters as manifested in the relative bulk-to-surface intensity in core level photoelectron spectroscopy. *Journal of Chemical Physics*, **2004**, 120, 345-56	3.9	78
192	The electronic structure of free water clusters probed by Auger electron spectroscopy. *Journal of Chemical Physics*, **2005**, 123, 054310	3.9	75
191	Dynamics of hollow atom formation in intense x-ray pulses probed by partial covariance mapping. *Physical Review Letters*, **2013**, 111, 073002	7.4	72

190	Femtosecond dissociation dynamics of core-excited molecular water. *Chemical Physics Letters*, **1999**, 309, 377-385	2.5	71
189	Observation of a continuum-continuum interference hole in ultrafast dissociating core-excited molecules. *Physical Review Letters*, **2000**, 85, 3133-6	7.4	67
188	Variable surface composition and radial interface formation in self-assembled free, mixed Ar□Xe clusters. *Physical Review A*, **2004**, 69,	2.6	65
187	Selective probing of the electronic structure of free clusters using resonant core-level spectroscopy. *Chemical Physics*, **2003**, 289, 3-13	2.3	56
186	Nanoplasma Formation by High Intensity Hard X-rays. *Scientific Reports*, **2015**, 5, 10977	4.9	51
185	Attosecond pulse shaping using a seeded free-electron laser. *Nature*, **2020**, 578, 386-391	50.4	48
184	Double-Core-Hole States in Neon: Lifetime, Post-Collision Interaction, and Spectral Assignment. *Physical Review Letters*, **2016**, 117, 133001	7.4	46
183	Bond-distance-dependent decay probability of the N 1s -> □ core-excited state in N2. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2000**, 33, 1819-1826	1.3	44
182	Acetylacetone photodynamics at a seeded free-electron laser. *Nature Communications*, **2018**, 9, 63	17.4	43
181	Double ionisation of ICN and BrCN studied by a new photoelectron□photoion coincidence technique. *Chemical Physics*, **2006**, 327, 85-90	2.3	43
180	Sequential multiphoton multiple ionization of atomic argon and xenon irradiated by x-ray free-electron laser pulses from SACLA. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 164024	1.3	41
179	Observation of elastic scattering effects on photoelectron angular distributions in free Xe clusters. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2003**, 36, 3937-3949	1.3	41
178	Radial surface segregation in free heterogeneous argon/krypton clusters. *Chemical Physics Letters*, **2004**, 392, 433-438	2.5	41
177	Internal conversion versus intersystem crossing: what drives the gas phase dynamics of cyclic □enones?. *Journal of Physical Chemistry A*, **2014**, 118, 2279-87	2.8	40
176	Accurate prediction of X-ray pulse properties from a free-electron laser using machine learning. *Nature Communications*, **2017**, 8, 15461	17.4	40
175	Doppler effect in resonant photoemission from SF6: correlation between Doppler profile and Auger emission anisotropy. *Physical Review Letters*, **2003**, 91, 213003	7.4	40
174	Valence double ionization of O2 at photon energies below and above the molecular double ionization threshold. *Journal of Chemical Physics*, **2005**, 122, 144308	3.9	40
173	Femtosecond dissociation of ozone studied by the Auger Doppler effect. *Journal of Chemical Physics*, **2001**, 115, 3614-3620	3.9	40

172	From localised to delocalised electronic states in free Ar, Kr and Xe clusters. *European Physical Journal D*, **2004**, 30, 343-351	1.3	39
171	Anisotropic ultrafast dissociation probed by the Doppler effect in resonant photoemission from CF4. *Physical Review Letters*, **2003**, 90, 233006	7.4	37
170	An experimental and theoretical study of the valence shell photoelectron spectrum of tetrafluoromethane. *Chemical Physics*, **2005**, 308, 43-57	2.3	33
169	Core level ionization dynamics in small molecules studied by x-ray-emission threshold-electron coincidence spectroscopy. *Physical Review A*, **2005**, 71,	2.6	33
168	Tracking attosecond electronic coherences using phase-manipulated extreme ultraviolet pulses. *Nature Communications*, **2020**, 11, 883	17.4	32
167	Structure sensitivity of double inner-shell holes in sulfur-containing molecules. *Physical Review A*, **2011**, 83,	2.6	32
166	Homonuclear site-specific photochemistry by an ion–electron multi-coincidence spectroscopy technique. *Chemical Physics Letters*, **2012**, 548, 90-94	2.5	31
165	Pulse Duration of Seeded Free-Electron Lasers. *Physical Review X*, **2017**, 7,	9.1	30
164	Versatile high-repetition-rate phase-locked chopper system for fast timing experiments in the vacuum ultraviolet and x-ray spectral region. *Review of Scientific Instruments*, **2012**, 83, 013115	1.7	29
163	Complete valence double photoionization of SF6. *Journal of Chemical Physics*, **2005**, 122, 144309	3.9	29
162	Nuclear motion driven by the Renner–Teller effect as observed in the resonant Auger decay to the X 2Π electronic ground state of N2O+. *Journal of Chemical Physics*, **2001**, 115, 864-869	3.9	29
161	High resolution multiphoton spectroscopy by a tunable free-electron-laser light. *Physical Review Letters*, **2014**, 113, 193201	7.4	28
160	Using covariance mapping to investigate the dynamics of multi-photon ionization processes of Ne atoms exposed to X-FEL pulses. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 164034	1.3	27
159	High-resolution excitation-energy-dependent study of the Auger decay of the O 1s−1π* core-excited state in oxygen. *Physical Review A*, **2001**, 64,	2.6	27
158	X-ray absorption and resonant Auger spectroscopy of O2 in the vicinity of the O 1s-->sigma* resonance: experiment and theory. *Journal of Chemical Physics*, **2008**, 128, 064304	3.9	26
157	Mapping potential energy surfaces by core electron excitation: the resonant Auger decay spectrum of BF3. *Chemical Physics Letters*, **2002**, 359, 48-54	2.5	25
156	Covariance mapping of two-photon double core hole states in C2H2and C2H6produced by an x-ray free electron laser. *New Journal of Physics*, **2015**, 17, 073002	2.9	24
155	Generalization of the duration-time concept for interpreting high-resolution resonant photoemission spectra. *Physical Review A*, **2004**, 69,	2.6	24

154	Time-frequency representation of autoionization dynamics in helium. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2018**, 51, 044002	1.3	23
153	Multielectron coincidence study of the double Auger decay of 3d-ionized krypton. *Physical Review A* , **2010**, 82,	2.6	23
152	Energy correlation of the three electrons emitted during the triple photoionization of Ar. *Physical Review Letters*, **2009**, 102, 013002	7.4	23
151	The influence of the π resonance on the Auger decay of core-ionized molecular nitrogen. *Chemical Physics Letters*, **2008**, 456, 1-6	2.5	23
150	Triple ionization of CO2 by valence and inner shell photoionization. *Journal of Chemical Physics*, **2011**, 135, 134309	3.9	22
149	Symmetry and vibrationally resolved absorption spectra near the O K edge of N2O: Experiment and theory. *Chemical Physics Letters*, **2007**, 435, 182-187	2.5	22
148	An experimental and theoretical study of double photoionization of CF4 using time-of-flight photoelectron-photoelectron (photoion-photoion) coincidence spectroscopy. *Journal of Chemical Physics*, **2006**, 125, 194318	3.9	22
147	Postcollision interaction in noble gas clusters: observation of differences in surface and bulk line shapes. *Journal of Chemical Physics*, **2005**, 123, 211101	3.9	21
146	Formation and decay of core-orbital vacancies in the water molecule. *Chemical Physics Letters*, **2013** , 558, 82-87	2.5	20
145	Selectivity in fragmentation of N-methylacetamide after resonant K-shell excitation. *Physical Chemistry Chemical Physics*, **2014**, 16, 15231-40	3.6	19
144	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	1.3	19
143	Coincidence technique using synchrotron radiation for triple photoionization: Results on rare gas atoms. *Physical Review A*, **2008**, 78,	2.6	19
142	Is there interference in the resonant Auger electron spectra of N 1s and O 1s->2π core excited NO?. *Chemical Physics*, **2003**, 289, 31-44	2.3	19
141	Tracking the ultraviolet-induced photochemistry of thiophenone during and after ultrafast ring opening. *Nature Chemistry*, **2020**, 12, 795-800	17.6	19
140	Ion-ion coincidence studies on multiple ionizations of N(2) and O(2) molecules irradiated by extreme ultraviolet free-electron laser pulses. *Journal of Chemical Physics*, **2010**, 132, 204305	3.9	18
139	Triple ionisation of methane by double Auger and related pathways. *Chemical Physics Letters*, **2010**, 485, 21-25	2.5	18
138	Single and Double Photoelectron Spectroscopy of Atomic Mercury *Journal of Physical Chemistry A*, **2004**, 108, 9721-9725	2.8	18
137	Theory and simulations of covariance mapping in multiple dimensions for data analysis in high-event-rate experiments. *Physical Review A*, **2014**, 89,	2.6	17

136	Unusual under-threshold ionization of neon clusters studied by ion spectroscopy. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 164023	1.3	17
135	Triple ionization spectra by coincidence measurements of double Auger decay: The case of OCS. *Journal of Chemical Physics*, **2010**, 132, 014311	3.9	17
134	Core-level spectroscopy and dynamics of free molecules. *Journal of Electron Spectroscopy and Related Phenomena*, **2011**, 183, 10-28	1.7	17
133	The O 1s photoelectron spectrum of molecular oxygen revisited. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2008**, 41, 095101	1.3	17
132	A quantitative analysis of the N 1s->π* photoabsorption profile in N2: new spectroscopical constants for the core-excited state. *Chemical Physics Letters*, **2004**, 383, 222-229	2.5	17
131	Interference quenching of nu(")=1 vibrational line in resonant photoemission of N2: a possibility to obtain geometrical information on the core-excited state. *Physical Review Letters*, **2002**, 89, 103002	7.4	17
130	Cationic double K-hole pre-edge states of CS and SF. *Scientific Reports*, **2017**, 7, 13317	4.9	16
129	NEXAFS and XPS studies of nitrosyl chloride. *Physical Chemistry Chemical Physics*, **2015**, 17, 9040-8	3.6	16
128	1,4-Disilacyclohexa-2,5-diene: a molecular building block that allows for remarkably strong neutral cyclic cross-hyperconjugation. *Chemical Science*, **2014**, 5, 360-371	9.4	16
127	Spectra of the triply charged ion CS(2)(3+) and selectivity in molecular Auger effects. *Journal of Chemical Physics*, **2010**, 132, 104311	3.9	16
126	High resolution C1s and S2p photoelectron spectra of thiophene. *Journal of Chemical Physics*, **2002**, 117, 7587-7592	3.9	16
125	Attosecond timing of electron emission from a molecular shape resonance. *Science Advances*, **2020**, 6, eaba7762	14.3	16
124	Aminophenol isomers unraveled by conformer-specific far-IR action spectroscopy. *Physical Chemistry Chemical Physics*, **2016**, 18, 6275-83	3.6	15
123	Experimental strategies for optical pump □soft x-ray probe experiments at the LCLS. *Journal of Physics: Conference Series*, **2014**, 488, 012015	0.3	15
122	Observing Femtosecond Fragmentation Using Ultrafast X-ray-Induced Auger Spectra. *Applied Sciences (Switzerland)*, **2017**, 7, 681	2.6	15
121	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	1.3	15
120	N1s and O1s double ionization of the NO and N2O molecules. *Journal of Chemical Physics*, **2014**, 140, 044309	3.9	15
119	Symmetry-resolved x-ray absorption fine structure and resonant Auger-spectator-electron decay study of O 1s->Rydberg resonances in O2. *Physical Review A*, **2008**, 78,	2.6	15

118	Dynamical suppression of atomic peaks in resonant dissociative photoemission. *Chemical Physics Letters*, **2001**, 343, 332-338	2.5	15
117	Charge and energy transfer in argon-core□neon-shell clusters irradiated by free-electron-laser pulses at 62 nm. *Physical Review A*, **2012**, 86,	2.6	14
116	Single-photon core-valence double ionization of molecular oxygen. *Physical Review A*, **2008**, 78,	2.6	14
115	Application of an atomic relaxation model for the interpretation of O1s to Rydberg excited Auger electron spectra of molecular oxygen. *Chemical Physics Letters*, **2004**, 398, 168-174	2.5	14
114	Filtering core excitation spectra: vibrationally resolved constant ionic state studies of N 1s->2□ core-excited NO. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2001**, 34, 4417-4426	1.3	14
113	Infrared Action Spectroscopy of Low-Temperature Neutral Gas-Phase Molecules of Arbitrary Structure. *Physical Review Letters*, **2016**, 117, 118101	7.4	13
112	Resonant x-ray Raman Scattering involving avoided crossings in the final-state potential-energy curves. *Physical Review A*, **2000**, 62,	2.6	13
111	Excited state dynamics of acrylonitrile: Substituent effects at conical intersections interrogated via time-resolved photoelectron spectroscopy and ab initio simulation. *Journal of Chemical Physics*, **2016**, 145, 114306	3.9	13
110	Femtosecond-resolved observation of the fragmentation of buckminsterfullerene following X-ray multiphoton ionization. *Nature Physics*, **2019**, 15, 1279-1283	16.2	12
109	Experimental and theoretical XPS and NEXAFS studies of N-methylacetamide and N-methyltrifluoroacetamide. *Physical Chemistry Chemical Physics*, **2016**, 18, 2210-8	3.6	12
108	Influence of double Auger decay on low-energy 3d photoelectrons of krypton. *Physical Review A*, **2012**, 86,	2.6	12
107	Formation of Kr3+ via core-valence doubly ionized intermediate states. *Physical Review A*, **2012**, 85,	2.6	12
106	Experimental and theoretical study of core-valence double photoionization of OCS. *Physical Review A*, **2010**, 82,	2.6	12
105	Nonadiabatic effects in photoelectron spectra of HCl and DCl. I. Experiment. *Physical Review A*, **2001**, 65,	2.6	12
104	Single Photon Thermal Ionization of C_{60}. *Physical Review Letters*, **2017**, 118, 103001	7.4	11
103	Relative extent of double and single Auger decay in molecules containing C, N and O atoms. *Physical Chemistry Chemical Physics*, **2016**, 18, 25705-25710	3.6	11
102	Experimental and theoretical study of the double-core-hole hypersatellite Auger spectrum of Ne. *Physical Review A*, **2017**, 96,	2.6	11
101	Single-photon multiple ionization forming double vacancies in the 2p subshell of argon. *Physical Review A*, **2013**, 87,	2.6	11

100	Strong-field photoionization of O2 at intermediate light intensity. *Physical Review A*, **2010**, 82,	2.6	11
99	Core-valence double photoionization of the CS(2) molecule. *Journal of Chemical Physics*, **2010**, 133, 094305	3.9	11
98	Probing the valence character of O 1s-->Rydberg excited O2 by participator Auger decay measurements and partial ion yield spectroscopy following x-ray absorption. *Journal of Chemical Physics*, **2007**, 126, 174304	3.9	11
97	Influence of chemical bonds on the lifetime of the molecular-field-split 2p levels in H2S. *Physical Review A*, **2003**, 67,	2.6	11
96	Spin-orbit selectivity observed for the HCl+(X 2Π) state using resonant photoemission. *Physical Review A*, **2002**, 65,	2.6	11
95	Abundance of molecular triple ionization by double Auger decay. *Scientific Reports*, **2018**, 8, 16405	4.9	11
94	KL double core hole pre-edge states of HCl. *Physical Chemistry Chemical Physics*, **2018**, 20, 2724-2730	3.6	10
93	Ultrafast Molecular Three-Electron Auger Decay. *Physical Review Letters*, **2016**, 116, 073001	7.4	10
92	Femtosecond X-ray-induced fragmentation of fullerenes. *Journal of Modern Optics*, **2016**, 63, 390-401	1.1	10
91	Triple ionization of atomic Cd involving 4p⁻¹ and 4s⁻¹ inner-shell holes. *Physical Review A*, **2015**, 92,	2.6	10
90	Interference effects in Auger resonant Raman spectra of CO via selective vibrational excitations across the O 1s->2π resonance. *Physical Review A*, **2005**, 72,	2.6	10
89	Electron spectroscopy of rare-gas clusters irradiated by x-ray free-electron laser pulses from SACLA. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2016**, 49, 034004	1.3	9
88	Influence of Alkoxy Groups on the Photoinduced Dynamics of Organic Molecules Exemplified on Alkyl Vinyl Ethers. *Journal of Physical Chemistry A*, **2015**, 119, 11105-12	2.8	9
87	Ion charge-resolved branching in decay of inner shell holes in Xe up to 1200 eV. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2015**, 48, 205001	1.3	9
86	Double ionization of atomic cadmium. *Physical Review A*, **2011**, 83,	2.6	9
85	Quenching and restoring of the A2 cationic state in resonant Auger electron spectra of CO in the vicinity of the O 1s->2π resonance. *Physical Review A*, **2006**, 74,	2.6	9
84	Geometrical information on core-excited states obtained from interference quenching of vibrational states in resonant x-ray photoemission. *Physical Review A*, **2003**, 67,	2.6	9
83	Resonant Auger spectroscopy of argon clusters at the 2p threshold. *Physical Review A*, **2005**, 71,	2.6	9

82	Evidence against atomiclike resonant Auger decay in N2 doubly excited core states by high-resolution experiments. *Physical Review A*, **2001**, 64,	2.6	9
81	Far-infrared amide IV-VI spectroscopy of isolated 2- and 4-Methylacetanilide. *Journal of Chemical Physics*, **2016**, 145, 104309	3.9	9
80	Single site double core level ionisation of OCS. *Chemical Physics*, **2014**, 439, 111-116	2.3	8
79	Single-photon double and triple ionization of acetaldehyde (ethanal) studied by multi-electron coincidence spectroscopy. *Chemical Physics*, **2015**, 463, 159-168	2.3	8
78	Double photoionization and dication fragmentation of CF3I: Experiment and theory. *Journal of Chemical Physics*, **2008**, 128, 234303	3.9	8
77	Probing doubly excited ionic states of N2+ via a triple excitation above the N 1s threshold in the N2 molecule. *Physical Review A*, **2003**, 67,	2.6	8
76	NEXAFS spectroscopy and site-specific fragmentation of N-methylformamide, N,N-dimethylformamide, and N,N-dimethylacetamide. *Journal of Chemical Physics*, **2016**, 144, 244310	3.9	8
75	Collective relaxation processes in atoms, molecules and clusters. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2016**, 49, 082001	1.3	8
74	Conformational Preferences of Isolated Glycylglycine (Gly-Gly) Investigated with IRMPD-VUV Action Spectroscopy and Advanced Computational Approaches. *Journal of Physical Chemistry A*, **2019**, 123, 862-872	2.8	8
73	Double-core-hole states in CHCN: Pre-edge structures and chemical-shift contributions. *Journal of Chemical Physics*, **2018**, 149, 134313	3.9	8
72	Competition between folded and extended structures of alanylalanine (Ala-Ala) in a molecular beam. *Physical Chemistry Chemical Physics*, **2019**, 21, 14126-14132	3.6	7
71	Mechanisms of site-specific photochemistry following core-shell ionization of chemically inequivalent carbon atoms in acetaldehyde (ethanal). *Journal of Chemical Physics*, **2016**, 145, 124302	3.9	7
70	Auger electron and photoabsorption spectra of glycine in the vicinity of the oxygen K-edge measured with an X-FEL. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2015**, 48, 234004	1.3	7
69	Symmetry breaking in core-valence double photoionization of SO2. *Physical Review A*, **2012**, 85,	2.6	7
68	Role of stray light in the formation of high-resolution resonant photoelectron spectra: an experimental and theoretical study of N2. *Journal of Electron Spectroscopy and Related Phenomena*, **2004**, 134, 49-65	1.7	7
67	Valence photoionization and resonant core excitation of ozone experimental and theoretical study of the C -state of O3+. *Chemical Physics Letters*, **2003**, 375, 76-83	2.5	7
66	Hidden vibrations in CO: Reinvestigation of resonant Auger decay for the C 1s-> excitation. *Physical Review A*, **2002**, 65,	2.6	7
65	Following excited-state chemical shifts in molecular ultrafast x-ray photoelectron spectroscopy.. *Nature Communications*, **2022**, 13, 198	17.4	7

64	Single and multiple photoionisation of H2S by 40-250 eV photons. *Physical Chemistry Chemical Physics*, **2011**, 13, 18428-35	3.6	6
63	Double photoionization of alcohol molecules. *Physical Review A*, **2009**, 80,	2.6	6
62	Resonant Auger decay study of C1s->π* core-excited OCS. *Journal of Electron Spectroscopy and Related Phenomena*, **2009**, 174, 100-106	1.7	6
61	Double photoionization of thiophene and bromine-substituted thiophenes. *Journal of Chemical Physics*, **2008**, 129, 234303	3.9	6
60	Radiative decay spectra of selected doubly excited states in helium. *Physical Review A*, **2008**, 77,	2.6	6
59	Vibrationally selected O+(4S)+ fragmentation of O2 below the adiabatic double-ionization potential studied via electron-electron coincidence spectroscopy. *Physical Review A*, **2005**, 71,	2.6	6
58	Valence double ionization electron spectra of CH3F, CH3Cl and CH3I. *Chemical Physics*, **2017**, 491, 42-47	2.3	5
57	Optical setup for two-colour experiments at the low density matter beamline of FERMI. *Journal of Optics (United Kingdom)*, **2017**, 19, 114010	1.7	5
56	Wide range double photoionisation spectra of N2 and CO2. *Chemical Physics Letters*, **2016**, 646, 31-35	2.5	5
55	Auger decay of 4d inner-shell holes in atomic Hg leading to triple ionization. *Physical Review A*, **2017**, 96,	2.6	5
54	A study of the dynamical energy flow in uracil. *Journal of Physics: Conference Series*, **2015**, 635, 112062	0.3	5
53	Ultraintense X-Ray Induced Multiple Ionization and Double Core-Hole Production in Molecules **2011** ,		5
52	Ultrafast dynamics of 2-thiouracil investigated by time-resolved Auger spectroscopy. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2020**, 54, 014002	1.3	5
51	Double Photoionisation Spectra of Molecules **2018**,		5
50	Attosecond electron-spin dynamics in Xe 4d photoionization. *Nature Communications*, **2020**, 11, 5042	17.4	5
49	Spin□rbit-resolved spectral phase measurements around a Fano resonance. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2020**, 53, 184003	1.3	4
48	Complete dissociation branching fractions and Coulomb explosion dynamics of SO2 induced by excitation of O 1s pre-edge resonances. *Journal of Chemical Physics*, **2015**, 143, 134302	3.9	4
47	Carbon dioxide ion dissociations after inner shell excitation and ionization: the origin of site-specific effects. *Journal of Chemical Physics*, **2014**, 140, 184305	3.9	4

46	Complete double valence photoionization study of the electron spectra of krypton. *Physical Review A*, **2013**, 88,	2.6	4
45	A photoelectron and double photoionization study of the valence electronic structure of 1,4-bromofluorobenzene. *Journal of Chemical Physics*, **2009**, 131, 184302	3.9	4
44	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, 153003 (2012)]. *Physical Review Letters*, **2012**, 108,	7.4	4
43	A study of the inner-valence ionization region in HCl and DCl. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2004**, 37, 1173-1183	1.3	4
42	URSA-PQ: A Mobile and Flexible Pump-Probe Instrument for Gas Phase Samples at the FLASH Free Electron Laser. *Applied Sciences (Switzerland)*, **2020**, 10, 7882	2.6	4
41	An x-ray absorption and a normal Auger study of the fine structure in the S2p region of the CS2molecule. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2009**, 42, 085102	1.3	3
40	The characterization of undulator radiation at MAXII using a soft X-ray fluorescence spectrometer. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **1999**, 431, 285-293	1.2	3
39	High-gain harmonic generation with temporally overlapping seed pulses and application to ultrafast spectroscopy. *Optics Express*, **2020**, 28, 29976-29990	3.3	3
38	Dissociation of multiply charged ICN by Coulomb explosion. *Journal of Chemical Physics*, **2016**, 145, 074303	3.9	3
37	Parametrization of energy sharing distributions in direct double photoionization of He. *Scientific Reports*, **2019**, 9, 17883	4.9	3
36	Unravelling the full relaxation dynamics of superexcited helium nanodroplets. *Physical Chemistry Chemical Physics*, **2021**, 23, 15138-15149	3.6	3
35	Dissociations of water ions after valence and inner-valence ionization. *Journal of Chemical Physics*, **2018**, 149, 204307	3.9	3
34	Enhancement of Above Threshold Ionization in Resonantly Excited Helium Nanodroplets. *Physical Review Letters*, **2021**, 127, 093201	7.4	3
33	Relative extent of triple Auger decay in CO and CO. *Physical Chemistry Chemical Physics*, **2019**, 21, 9889-9894	3.6	2
32	Coulomb explosion of CDI induced by single photon deep inner-shell ionisation. *Scientific Reports*, **2020**, 10, 1246	4.9	2
31	An experimental and theoretical study of core-valence double ionisation of acetaldehyde (ethanal). *Physical Chemistry Chemical Physics*, **2016**, 18, 2535-47	3.6	2
30	Mapping the decay of double core hole states of atoms and molecules. *Journal of Physics: Conference Series*, **2014**, 488, 032021	0.3	2
29	Direct observation of three-electron collective decay in a resonant Auger process. *New Journal of Physics*, **2015**, 17, 122001	2.9	2

28	Cationic Rydberg states observed in resonantly enhanced electron spectra of CS2. *Chemical Physics*, **2009**, 355, 55-61	2.3	2
27	Profile of resonant photoelectron spectra versus the spectral function width and photon frequency detuning. *Physical Review A*, **2004**, 70,	2.6	2
26	Correlation-Driven Transient Hole Dynamics Resolved in Space and Time in the Isopropanol Molecule. *Physical Review X*, **2021**, 11,	9.1	2
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