

# Antti Kivimäki

## List of Publications by Year in descending order

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192  
papers

4,477  
citations

87888

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196  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ion fragmentation study of [EMMIM][TFSI], [EMIM][OTf] and [EMIM][DCA] by vacuum ultraviolet light. <i>International Journal of Mass Spectrometry</i> , 2022, 471, 116732.	1.5	4
2	Soft X-ray Induced Production of Neutral Fragments in High-Rydberg States at the O 1s Ionization Threshold of the Water Molecule. <i>Journal of Physical Chemistry A</i> , 2021, 125, 713-720.	2.5	3
3	Photodissociation dynamics of halogenated aromatic molecules: the case of core-ionized tetrabromothiophene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21249-21261.	2.8	3
4	Core and Valence Level Photoelectron Spectroscopy of Nanosolvated KCl. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4750-4759.	2.5	5
5	Performance and characterization of the FinEstBeAMS beamline at the MAXÅIV Laboratory. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1620-1630.	2.4	28
6	Valence shell photoelectron angular distributions and vibrationally resolved spectra of imidazole: A combined experimentalâ€“theoretical study. <i>Journal of Chemical Physics</i> , 2021, 155, 054304.	3.0	5
7	Vacuum ultraviolet photoionization and ionic fragmentation of the isoxazole molecules. <i>International Journal of Mass Spectrometry</i> , 2020, 449, 116276.	1.5	7
8	Negativeâ€“ion/positiveâ€“ion coincidence spectroscopy as a tool to identify anionic fragments: The case of coreâ€“excited CHF<sub>3</sub>. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4487.	1.6	0
9	Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAXâ€“IV 1.5â€“GeV storage ring. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1080-1091.	2.4	19
10	Electronâ€“ion coincidence spectroscopy of a large organic molecule: photofragmentation of avobenzene after valence and core ionisation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 244001.	1.5	3
11	The electronic structure of ionic liquids based on the TFSI anion: A gas phase UPS and DFT study. <i>Journal of Molecular Liquids</i> , 2019, 294, 111580.	4.9	10
12	Ultra-Fast-VUV Photoemission Study of UV Excited 2-Nitrophenol. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1295-1302.	2.5	14
13	Progress in development of a new luminescence setup at the FinEstBeAMS beamline of the MAX IV laboratory. <i>Radiation Measurements</i> , 2019, 121, 91-98.	1.4	39
14	Fragmentation of Methanol Molecules after Core Excitation and Core Ionization Studied by Negative-Ion/Positive-Ion Coincidence Experiments. <i>Journal of Physical Chemistry A</i> , 2018, 122, 224-233.	2.5	2
15	Characterisation of the electronic structure of galvinoxyl free radical by variable energy UPS, XPS and NEXAFS spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2480-2491.	2.8	11
16	Acetylacetone photodynamics at a seeded free-electron laser. <i>Nature Communications</i> , 2018, 9, 63.	12.8	72
17	Selective negative-ion formation from core-valence doubly excited states of the water molecule. <i>Physical Review A</i> , 2018, 98, .	2.5	0
18	Study of ultraviolet-visible fluorescence emission following resonant Auger decay of the 2 p -1 nl core-excited states of argon atoms. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018, 226, 35-40.	1.7	1

#	ARTICLE	IF	CITATIONS
19	Elimination and migration of hydrogen in the vacuum-ultraviolet photodissociation of pyridine molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 015101.	1.5	9
20	FinEstBeaMS – A wide-range Finnish-Estonian Beamline for Materials Science at the 1.5 GeV storage ring at the MAX IV Laboratory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 859, 83-89.	1.6	55
21	Negative- and positive-ion fragmentation of core-excited formic-acid molecules studied with three- and four-ion coincidence spectroscopy. <i>Physical Review A</i> , 2017, 96, .	2.5	3
22	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.	1.3	7
23	Negative-Ion/Positive-Ion Coincidence Yields of Core-Excited Water. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6389-6393.	2.5	6
24	Yields and Time-of-Flight Spectra of Neutral High-Rydberg Fragments at the K Edges of the CO <sub>2</sub> Molecule. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4360-4367.	2.5	6
25	An experimental NEXAFS and computational TDDFT and $\hat{T}$ DFT study of the gas-phase core excitation spectra of nitroxide free radical TEMPO and its analogues. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10207-10217.	2.8	21
26	The multielectron character of the S 2p $\pi$ ' <sub>4eg</sub> shape resonance in the SF <sub>6</sub> 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.	1.7	5
27	Characterization of gas phase iron phthalocyanine with X-ray photoelectron and absorption spectroscopies. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1259-1265.	1.5	10
28	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.	3.0	5
29	Negative-ion/positive-ion coincidence spectroscopy with a novel spectrometer. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112123.	0.4	0
30	Hydrogen migration in photodissociation of the pyridine molecules. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112049.	0.4	2
31	Synchrotron excitation - field ionization studies of high-Rydberg fragments produced after inner-shell ionization of small molecules. <i>Journal of Physics: Conference Series</i> , 2015, 635, 112121.	0.4	0
32	The Low Density Matter (LDM) beamline at FERMI: optical layout and first commissioning. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 538-543.	2.4	46
33	The study of the electronic structure of some N-heterocyclic carbenes (NHCs) by variable energy photoelectron spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10656-10667.	2.8	13
34	Soft X-ray absorption spectroscopy of Ar <sub>2</sub> and ArNe dimers and small Ar clusters. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22160-22169.	2.8	5
35	Control of the Polarization of a Vacuum-Ultraviolet, High-Gain, Free-Electron Laser. <i>Physical Review X</i> , 2014, 4, .	8.9	80
36	An experimental and theoretical study of the resonant Auger spectrum of the ethene molecule. <i>New Journal of Physics</i> , 2014, 16, 073022.	2.9	1



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55	X-ray emission photoion coincidence spectroscopy of the CO <sub>2</sub> molecule at the O 1s edge. Chemical Physics Letters, 2012, 531, 252-256.	2.6	4
56	A velocity map imaging apparatus for gas phase studies at FERMI@Elettra. Nuclear Instruments & Methods in Physics Research B, 2012, 284, 69-73.	1.4	11
57	Comprehensive Core-Level Study of the Effects of Isomerism, Halogenation, and Methylation on the Tautomeric Equilibrium of Cytosine. Journal of Physical Chemistry A, 2011, 115, 7722-7733.	2.5	13
58	Effect of the Cl2p core orbital excitation on the nuclear dynamics of the three dichloroethylene isomers. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 24-28.	1.7	7
59	O 1s excitation and ionization processes in the CO <sub>2</sub> molecule studied via detection of low-energy fluorescence emission. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 165103.	1.5	7
60	Radiationless decay in the region of the 2t <sub>2g</sub> and 4e <sub>g</sub> resonances in SF <sub>6</sub> . Journal of Chemical Physics, 2011, 134, 094308.	3.0	5
61	Photoabsorption and S 2p photoionization of the SF <sub>6</sub> molecule: Resonances in the excitation energy range of 200–280 eV. Journal of Chemical Physics, 2011, 134, 174311.	3.0	10
62	Photofragmentation of tetrahydrofuran molecules in the vacuum-ultraviolet region via superexcited states studied by fluorescence spectroscopy. Physical Review A, 2011, 83, .	2.5	18
63	Synchrotron radiation photoionization mass spectrometry of laser ablated species. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 425-429.	1.4	3
64	S 2p photoabsorption of the SF <sub>5</sub> CF <sub>3</sub> molecule: Experiment, theory and comparison with SF <sub>6</sub> . Chemical Physics, 2010, 375, 101-109.	1.9	3
65	Dissociative photoionization of the NO molecule studied by photoelectron-photon coincidence technique. Journal of Electron Spectroscopy and Related Phenomena, 2010, 182, 63-69.	1.7	1
66	Amine Functionalization of Gold Surfaces: Ultra High Vacuum Deposition of Cysteamine on Au(111). Journal of Physical Chemistry C, 2010, 114, 15011-15014.	3.1	29
67	Shake-up transitions in S 2p, S 2s and F 1s photoionization of the SF <sub>6</sub> molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 055102.	1.5	18
68	Fluorescence emission at core-to-Rydberg excitations in the N <sub>2</sub> molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 185103.	1.5	1
69	Line shape narrowing in the ultraviolet yield at the N 1s $\pi^*$ resonance of the N <sub>2</sub> molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 075102.	1.5	2
70	Assignment of the $VV$ normal Auger decay spectrum of	2.6	5
71	UV-visible emission as a probe of core excitations applied to the furan and carbon dioxide molecules. Journal of Physics: Conference Series, 2009, 190, 012051.	0.4	1
72	Photofragmentation of 2-Deoxy-D-Ribose Molecules in the Gas Phase. ChemPhysChem, 2008, 9, 1020-1029.	2.1	30



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91	Detection of the $Pe_1$ Series of Doubly Excited Helium States below $N=2$ via the Stark Effect. Physical Review Letters, 2006, 96, 093001.	7.8	21
92	A new system for photon induced fluorescence spectroscopy applied to the study of doubly excited states of helium. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 39-42.	1.7	14
93	Synchrotron radiation induced fluorescence spectroscopy of SF <sub>6</sub> . Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 387-398.	1.5	2
94	Resonant Auger spectroscopy of argon clusters at the $2p$ threshold. Physical Review A, 2005, 71, .	2.5	10
95	Ionic-like energy structure of neutral core-excited states in free Kr clusters. Physical Review A, 2005, 72, .	2.5	11
96	Molecular alignment of ammonia studied by electron-ion-ion coincidence spectroscopy. Journal of Chemical Physics, 2005, 122, 114306.	3.0	17
97	Experimental station for gas phase fluorescence spectroscopy. Review of Scientific Instruments, 2004, 75, 2402-2408.	1.3	6
98	Lifetime and Auger decay of strongly correlated $4p$ hole states of xenon. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 281-285.	1.7	17
99	Relaxation dynamics of SF <sub>6</sub> studied by energy-resolved electron ion coincidence technique. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 369-375.	1.7	3
100	Selective excitation of the $np\sigma^+1\sigma_u^+$ and $np\pi^+1\sigma_u$ to E,F $1\sigma_g^+$ emission systems in molecular hydrogen using synchrotron radiation. Chemical Physics Letters, 2004, 388, 31-35.	2.6	1
101	Autoionisation of superexcited states in N <sub>2</sub> to the N <sub>2</sub> <sup>+</sup> B state. Chemical Physics Letters, 2003, 372, 139-146.	2.6	5
102	Evolution of angular anisotropy of Auger emission across krypton $3d$ and xenon $4d$ thresholds. Chemical Physics, 2003, 289, 81-91.	1.9	3
103	Neutral dissociation of superexcited states in nitric oxide. Chemical Physics, 2003, 293, 65-73.	1.9	5
104	Krypton $3p$ excitations and subsequent resonant Auger decay. Physical Review A, 2003, 67, .	2.5	3
105	Relating the $4s\sigma^+1\sigma_u^+$ inner-valence photoelectron spectrum of HBr with the Br $3d^*15\sigma_g^+$ resonant Auger spectra: An approach to the assignments. Physical Review A, 2003, 68, .	2.5	3
106	An energy resolved electron-ion coincidence study near the S $2p$ thresholds of the SF <sub>6</sub> molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 781-791.	1.5	26
107	Refinement in the analysis of molecular Auger electron spectra: The $2p^*1\sigma_u^+3p\pi^+2\sigma_g^+$ spectra of HCl and DCl. Physical Review A, 2002, 65, .	2.5	22
108	O $1s^*1\sigma_g^+$ Resonance in O <sub>2</sub> : Inadequacy of Only Two Exchange-Split Components. Physical Review Letters, 2002, 88, 243002.	7.8	19

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109	Interference effects between 2p photoionization and resonant Auger decay channels at 2s <sup>n</sup> 1np (n=4,5) inner-shell resonances in Ar. <i>Physical Review A</i> , 2002, 65, .	2.5	10
110	Auger decay widths of the ligand-field-split Br 3d components in the HBr molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 4607-4611.	1.5	11
111	Auger decay at the 1s <sup>n</sup> 1np (n=3-5) resonances of Ne. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 49-53.	1.7	23
112	The valence photoelectron satellite spectra of Kr and Xe. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 141-146.	1.7	29
113	Beam line I411 at MAX II performance and first results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 469, 382-393.	1.6	218
114	Angular distribution in resonant Auger spectra of xenon excited below the 3d <sup>5/2</sup> ionization threshold. <i>Physical Review A</i> , 2001, 63, .	2.5	15
115	Inherent lifetime widths of Ar 2p <sup>n</sup> 1, Kr 3d <sup>n</sup> 1, Xe 3d <sup>n</sup> 1, and Xe 4d <sup>n</sup> 1 states. <i>Physical Review A</i> , 2001, 64, .	2.5	139
116	Electron correlation effects in Auger cascades following 2p <sup>n</sup> 14s excitations in argon. <i>Physical Review A</i> , 2001, 63, .	2.5	11
117	Partial electron yield spectrum of N <sub>2</sub> : doubly excited states at the K-shell threshold. <i>Chemical Physics Letters</i> , 2000, 320, 217-221.	2.6	19
118	The Cl(2p) photoelectron spectra of the HCl and DCl molecules: the effects of the molecular field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, L157-L164.	1.5	21
119	Interference effects between 4s photoionization and resonant Auger-decay channels at inner-shell 3d <sup>9</sup> 4p <sup>5</sup> nln <sup>2</sup> double excitations in Kr. <i>Physical Review A</i> , 2000, 62, .	2.5	5
120	Near-threshold study of Xe 3d photoionization. <i>Physical Review A</i> , 2000, 63, .	2.5	50
121	A comprehensive photoabsorption, photoionization, and shake-up excitation study of the C 1s cross section of benzene. <i>Journal of Chemical Physics</i> , 2000, 113, 7362-7375.	3.0	59
122	The gas phase L <sub>2,3</sub> VV Auger electron spectra of chlorine in XCl (X=H, D, Li, Na, K) molecules. <i>Journal of Chemical Physics</i> , 2000, 113, 662-675.	3.0	16
123	Vibrational and shake-up excitations in the C 1s photoionization of ethane and deuterated ethane. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 2691-2706.	1.5	12
124	Detailed analysis of the 3d <sup>n</sup> 1 <sup>+</sup> 4p <sup>n</sup> 2 normal Auger spectra in HBr and DBr. <i>Physical Review A</i> , 1999, 59, 4438-4445.	2.5	41
125	Nonlinear dispersion in resonant Auger decay of H <sub>2</sub> O molecules. <i>Physical Review A</i> , 1999, 59, 1336-1340.	2.5	12
126	Angular distribution in xenon M <sub>4,5</sub> N <sub>4,5</sub> Auger decay. <i>Physical Review A</i> , 1999, 59, 315-319.	2.5	20



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127	L1 <sup>+</sup> L2,3MCoster-Kronig transitions in argon. <i>Physical Review A</i> , 1999, 59, 4071-4074.	2.5	17
128	Ionization through the Auger decay of doubly excited 4d95p5nln <sup>2</sup> states in Xe. <i>Physical Review A</i> , 1999, 59, R2563-R2566.	2.5	9
129	Electron decay following the N 1s <sup>+</sup> 1 <sup>+</sup> excitation in N <sub>2</sub> studied under resonant Raman conditions. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 98-99, 111-120.	1.7	26
130	Intensities of the xenon N <sub>4,5</sub> O Auger electron spectrum revisited. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 101-103, 43-47.	1.7	38
131	On the correct identification of shape resonances in NEXAFS. <i>Surface Science</i> , 1999, 425, L376-L380.	1.9	20
132	Constant initial state (CIS) spectroscopy in the study of the decay of core-to-bound resonances in N <sub>2</sub> . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 2623-2628.	1.5	4
133	Threshold phenomena in high-resolution core-level photoelectron spectroscopy: the ethene molecule. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 39-48.	1.7	24
134	Interpretation of the N <sub>2,3</sub> N <sub>4,5</sub> O <sub>2,3</sub> Coster <sup>+</sup> Kronig spectrum of xenon. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 89-94.	1.7	18
135	Angle-resolved electronic decay of the 1 <sup>+</sup> , 1 <sup>+</sup> and Rydberg resonances below the O K-edge in O <sub>2</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 81-88.	1.7	16
136	The character of the Xe resonances studied with the aid of their Auger decay. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 5337-5346.	1.5	2
137	Influence of multielectron excitations on the O 1s photoionization in CO <sub>2</sub> . <i>Physical Review A</i> , 1998, 58, 3654-3660.	2.5	32
138	Subnatural Linewidths in Core Level Excitation Spectra. <i>Physical Review Letters</i> , 1998, 81, 301-304.	7.8	19
139	Characterization of the intermediate and final states of the 2p <sub>3/2</sub> <sup>+</sup> resonant Auger spectra of HCl. <i>Physical Review A</i> , 1998, 58, R1645-R1648.	2.5	8
140	Angular distribution of electronic decay following molecular and Rydberg excitations at the Cl <sub>2</sub> p-edge of HCl. <i>Physical Review A</i> , 1998, 57, 2724-2730.	2.5	28
141	The C 1s Auger decay spectrum of : an analysis of the core-excited states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 93-100.	1.5	9
142	Vibrationally resolved decay spectra of CO at the C and O K-edges: experiment and theory. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 5677-5692.	1.5	55
143	Angle-resolved Auger spectra of the molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 4279-4291.	1.5	23
144	Vibrational excitation in C 1s and O 1s photoionization of CO. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, L741-L747.	1.5	39

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145	Core Level Energy Splitting in the C 1s Photoelectron Spectrum of C <sub>2</sub> H <sub>2</sub> . Physical Review Letters, 1997, 79, 3617-3620.	7.8	80
146	Vibrationally Resolved O 1s Photoelectron Spectrum of CO <sub>2</sub> : Vibronic Coupling and Dynamic Core-Hole Localization. Physical Review Letters, 1997, 79, 998-1001.	7.8	79
147	Reappraisal of the Existence of Shape Resonances in the Series C <sub>2</sub> H <sub>2</sub> , C <sub>2</sub> H <sub>4</sub> , and C <sub>2</sub> H <sub>6</sub> . Physical Review Letters, 1997, 79, 35-38.	7.8	56
148	Assignment of fine structure in the HBr absorption spectrum at the Br 3d Rydberg resonances using the Auger resonant Raman effect. Physical Review A, 1997, 56, R3342-R3345.	2.5	12
149	One-electron versus multielectron effects in the near-threshold C 1s photoionization of acetylene. Journal of Chemical Physics, 1997, 107, 4219-4224.	3.0	28
150	Electronic-state lifetime interference in the resonant Auger decay of krypton. Physical Review A, 1997, 56, 1481-1485.	2.5	35
151	Auger decay of the molecular field split S 2p core excited states in HS radical. Journal of Chemical Physics, 1997, 106, 18-23.	3.0	20
152	Fast dissociation of resonantly core excited H <sub>2</sub> S studied by vibrational and temporal analysis of the Auger spectra. Computational and Theoretical Chemistry, 1997, 394, 135-145.	1.5	28
153	High-resolution study of resonant decay following the O 1s $\pi^* \leftarrow \pi$ excitation(s) in CO <sub>2</sub> : evidence for an overlapping Rydberg transition. Chemical Physics Letters, 1997, 274, 13-17.	2.6	20
154	Excitation energy dynamics observed in N <sub>2</sub> Auger spectra near the K-shell threshold. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 445-448.	1.7	4
155	High-resolution C 1s photoelectron spectra of methane. Physical Review A, 1996, 53, 4120-4126.	2.5	65
156	Core Hole Double-Excitation and Atomiclike Auger Decay in N <sub>2</sub> . Physical Review Letters, 1996, 76, 2250-2253.	7.8	37
157	Angle-resolved Auger spectrum of the N <sub>2</sub> molecule. Physical Review A, 1996, 54, 2137-2141.	2.5	28
158	Variation of Cross-Section Enhancement in Decay Spectra of CO under Resonant Raman Conditions. Physical Review Letters, 1996, 77, 4302-4305.	7.8	40
159	High-resolution pre-edge structure in the inner-shell ionization threshold region of rare gases Xe, Kr, and Ar. Physical Review A, 1996, 54, 2834-2839.	2.5	81
160	Auger decay of the dissociating core-excited states in the HCl and DCl molecules. Journal of Chemical Physics, 1996, 104, 4475-4480.	3.0	51
161	Decay of the $\pi^*$ and $\sigma^*$ states of Ar studied by utilizing the Auger resonant Raman effect. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 4387-4399.	1.5	44
162	The C 1s Auger decay spectrum of the molecule: the effects of vibrational fine structure, double excitations and shake-up transitions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 2701-2709.	1.5	32

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163	A high-resolution N 1s photoionization study of the molecule in the near-threshold region. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5389-5402.	1.5	119
164	Recombination spectra of some solid rare earths excited by monochromatic and nonmonochromatic synchrotron radiation. Journal of Electron Spectroscopy and Related Phenomena, 1995, 72, 327-332.	1.7	1
165	Finnish beamline at MAX-laboratory: Progress in the photon energy resolution. Review of Scientific Instruments, 1995, 66, 1621-1623.	1.3	53
166	Observation of anomalous behavior of the Xe 4d photoelectron satellites. Physical Review A, 1995, 52, 2943-2947.	2.5	8
167	Correlation effects in the resonant Auger decay of the Xe 4d <sup>3/2,5/2</sup> 16p states studied by high-resolution experiment and multiconfiguration Dirac-Fock theory. Physical Review A, 1995, 51, 1291-1303.	2.5	45
168	The vibrationally resolved participator Auger spectra of selectively excited C 1s(2f) 12e <sup>-1</sup> vibrational states in carbon monoxide. Journal of Chemical Physics, 1995, 102, 7317-7324.	3.0	98
169	Conjugate shake-up-enhanced Auger transitions in N <sub>2</sub> . Physical Review A, 1995, 52, 1224-1228.	2.5	23
170	High-resolution study of the Xe 4d <sup>5/2:4d<sup>3/2</sup></sup> branching ratio. Physical Review A, 1995, 51, 855-858.	2.5	45
171	Partial Auger decay rates of core-ionized molecular states in HCl and DCl. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 4259-4268.	1.5	38
172	The resonance Auger decay of the Xe 4d <sup>3/2,5/2-1np</sup> , n=7,8 states studied by high-resolution experiment. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 4509-4528.	1.5	16
173	Correlation satellites in the Xe N <sub>4,5</sub> -OO and Kr M <sub>4,5</sub> -NN Auger spectra. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 3831-3843.	1.5	37
174	Auger and Coster-Kronig decay of the 3p hole states in krypton. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 4091-4100.	1.5	24
175	Fast dissociation of neutral doubly excited states above the S 2p ionization threshold in H <sub>2</sub> S. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, L325-L331.	1.5	5
176	A new gas phase electron spectrometer at Max-Lab. Synchrotron Radiation News, 1994, 7, 25-31.	0.8	46
177	The L <sub>2,3</sub> MM Auger electron spectra of solid Ge excited with synchrotron radiation. Journal of Physics Condensed Matter, 1994, 6, 2423-2434.	1.8	1
178	First Observation on the Photon Energy Dependence of the Partial Auger Transition Rates in Both the 4d <sup>3/2</sup> and 4d <sup>5/2</sup> Auger Decay of Xe. Physical Review Letters, 1994, 73, 2031-2034.	7.8	11
179	Observation of an anomalous decay ratio between the molecular field split levels in the S 2p core photoelectron and LVV Auger spectrum of H <sub>2</sub> S. Physical Review Letters, 1994, 72, 3021-3024.	7.8	76
180	Electron correlation in Xe 4d <sup>5/2</sup> 16p <sup>4</sup> 5p <sup>6</sup> 26p resonant Auger transitions studied by utilizing the Auger resonant Raman effect. Physical Review A, 1994, 49, R4269-R4272.	2.5	37

#	ARTICLE	IF	CITATIONS
181	KrM <sub>4,5</sub> N <sub>2,3</sub> N <sub>2,3</sub> N <sub>2,3</sub> and XeN <sub>4,5</sub> O <sub>2,3</sub> O <sub>2,3</sub> O <sub>2,3</sub> satellite Auger spectra following direct double ionization. <i>Physical Review A</i> , 1994, 49, 5124-5127.	2.5	16
182	Performance of the modified SX $\hat{e}$ 700 plane grating monochromator at the Finnish beamline in MAX $\hat{e}$ lab. <i>Review of Scientific Instruments</i> , 1994, 65, 831-836.	1.3	87
183	A method to determine a transmission correction for electron spectrometers using synchrotron radiation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 69, 181-187.	1.7	54
184	Electron spectra of HCl at core to Rydberg resonances. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 3379-3386.	1.5	5
185	Auger electron emission around 4d ionization threshold in atomic Cs. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 1435-1444.	1.5	8
186	M <sub>2,3</sub> M <sub>4,5</sub> super-Coster-Kronig spectra of solid Ge and resonance effects around the 3p threshold. <i>Physical Review B</i> , 1993, 47, 4181-4186.	3.2	16
187	Subnatural linewidths in the KrM <sub>5</sub> N <sub>2,3</sub> N <sub>2,3</sub> and XeN <sub>5</sub> O <sub>2,3</sub> O <sub>2,3</sub> resonant Auger spectra. <i>Physical Review Letters</i> , 1993, 71, 4307-4310.	7.8	162
188	Study of different SX $\hat{e}$ 700 monochromator designs for the undulator beamline (BL51) at MAX $\hat{e}$ lab. <i>Review of Scientific Instruments</i> , 1992, 63, 1252-1255.	1.3	64
189	X-ray induced electron yield spectrum of thin films of 1,3-trans-butadiene and 1,3,5-trans-hexatriene. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1992, 59, 293-305.	1.7	31
190	Decay Channels of Core-Excited Molecular States in Cl <sub>2</sub> , HCl and H <sub>2</sub> S. <i>Physica Scripta</i> , 1992, T41, 122-126.	2.5	18
191	Resonance Auger and autoionization processes in solid lanthanum after 4d to 4f resonant excitation by synchrotron radiation. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 8707-8714.	1.8	21
192	Shake processes in Auger decay of resonantly excited states of rare gases. <i>Physica Scripta</i> , 1990, 41, 425-428.	2.5	28