

# Antti Kivimäki

## List of Publications by Year in descending order

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192  
papers

4,477  
citations

87888

38  
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144013

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196  
all docs

196  
docs citations

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times ranked

2420  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.6	218
2	Subnatural linewidths in the KrM5N2,3N2,3 and XeN5O2,3O2,3 resonant Auger spectra. Physical Review Letters, 1993, 71, 4307-4310.	7.8	162
3	Inherent lifetime widths of Ar2p <sup>1/2</sup> , Kr3d <sup>1/2</sup> , Xe3d <sup>1/2</sup> , and Xe4d <sup>1/2</sup> states. Physical Review A, 2001, 64, .	2.5	139
4	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
5	The vibrationally resolved participator Auger spectra of selectively excited C 1s(2f) vibrational states in carbon monoxide. Journal of Chemical Physics, 1995, 102, 7317-7324.	3.0	98
6	Performance of the modified SX700 plane grating monochromator at the Finnish beamline in MAX lab. Review of Scientific Instruments, 1994, 65, 831-836.	1.3	87
7	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
8	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
9	Control of the Polarization of a Vacuum-Ultraviolet, High-Gain, Free-Electron Laser. Physical Review X, 2014, 4, .	8.9	80
10	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
11	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.	1.5	78
12	Observation of an anomalous decay ratio between the molecular field split levels in the S 2p core photoelectron and LVA Auger spectrum of H <sub>2</sub> S. Physical Review Letters, 1994, 72, 3021-3024.	7.8	76
13	Acetylacetone photodynamics at a seeded free-electron laser. Nature Communications, 2018, 9, 63.	12.8	72
14	High-resolution C 1s photoelectron spectra of methane. Physical Review A, 1996, 53, 4120-4126.	2.5	65
15	Study of different SX700 monochromator designs for the undulator beamline (BL51) at MAX lab. Review of Scientific Instruments, 1992, 63, 1252-1255.	1.3	64
16	A comprehensive photoabsorption, photoionization, and shake-up excitation study of the C 1s cross section of benzene. Journal of Chemical Physics, 2000, 113, 7362-7375.	3.0	59
17	The C 1s and N 1s near edge x-ray absorption fine structure spectra of five azabenzene in the gas phase. Journal of Chemical Physics, 2008, 128, 044316.	3.0	59
18	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

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19	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
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	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
22	Finnish beamline at MAX IV Laboratory: Progress in the photon energy resolution. <i>Review of Scientific Instruments</i> , 1995, 66, 1621-1623.	1.3	53
23	Auger decay of the dissociating core-excited states in the HCl and DCl molecules. <i>Journal of Chemical Physics</i> , 1996, 104, 4475-4480.	3.0	51
24	Near-threshold study of Xe 3d photoionization. <i>Physical Review A</i> , 2000, 63, .	2.5	50
25	Vibrationally resolved high-resolution NEXAFS and XPS spectra of phenanthrene and coronene. <i>Journal of Chemical Physics</i> , 2014, 141, 044313.	3.0	47
26	A new gas phase electron spectrometer at Max-Lab. <i>Synchrotron Radiation News</i> , 1994, 7, 25-31.	0.8	46
27	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
28	Correlation effects in the resonant Auger decay of the Xe 4d <sup>3/2,5/2</sup> 1p states studied by high-resolution experiment and multiconfiguration Dirac-Fock theory. <i>Physical Review A</i> , 1995, 51, 1291-1303.	2.5	45
29	High-resolution study of the Xe 4d <sup>5/2:4d3/2</sup> branching ratio. <i>Physical Review A</i> , 1995, 51, 855-858.	2.5	45
30	Decay of the $\sigma$ and $\pi$ states of Ar studied by utilizing the Auger resonant Raman effect. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 4387-4399.	1.5	44
31	Detailed analysis of the 3d <sup>5</sup> 1p <sup>1</sup> normal Auger spectra in HBr and DBr. <i>Physical Review A</i> , 1999, 59, 4438-4445.	2.5	41
32	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.	4.6	41
33	Variation of Cross-Section Enhancement in Decay Spectra of CO under Resonant Raman Conditions. <i>Physical Review Letters</i> , 1996, 77, 4302-4305.	7.8	40
34	CITIUS: An infrared-extreme ultraviolet light source for fundamental and applied ultrafast science. <i>Review of Scientific Instruments</i> , 2014, 85, 023104.	1.3	40
35	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
36	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

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37	Partial Auger decay rates of core-ionized molecular states in HCl and DCl. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4259-4268.	1.5	38
38	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
39	Electron correlation in Xe 4d <sup>5</sup> /2p <sup>6</sup> 16p <sup>4</sup> 5p <sup>6</sup> 26p resonant Auger transitions studied by utilizing the Auger resonant Raman effect. <i>Physical Review A</i> , 1994, 49, R4269-R4272.	2.5	37
40	Correlation satellites in the Xe N <sub>4,5</sub> O and Kr M <sub>4,5</sub> NN Auger spectra. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 3831-3843.	1.5	37
41	Core Hole Double-Excitation and Atomlike Auger Decay in N <sub>2</sub> . <i>Physical Review Letters</i> , 1996, 76, 2250-2253.	7.8	37
42	Electronic-state lifetime interference in the resonant Auger decay of krypton. <i>Physical Review A</i> , 1997, 56, 1481-1485.	2.5	35
43	VUV photoionisation of free azabenzene: Pyridine, pyrazine, pyrimidine, pyridazine and s-triazine. <i>International Journal of Mass Spectrometry</i> , 2008, 275, 55-63.	1.5	33
44	The C 1s Auger decay spectrum of the molecule: the effects of vibrational fine structure, double excitations and shake-up transitions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 2701-2709.	1.5	32
45	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
46	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
47	Photofragmentation of 2-Deoxy-D-Ribose Molecules in the Gas Phase. <i>ChemPhysChem</i> , 2008, 9, 1020-1029.	2.1	30
48	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
49	Amine Functionalization of Gold Surfaces: Ultra High Vacuum Deposition of Cysteamine on Au(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 15011-15014.	3.1	29
50	Shake processes in Auger decay of resonantly excited states of rare gases. <i>Physica Scripta</i> , 1990, 41, 425-428.	2.5	28
51	Angle-resolved Auger spectrum of the N <sub>2</sub> molecule. <i>Physical Review A</i> , 1996, 54, 2137-2141.	2.5	28
52	One-electron versus multielectron effects in the near-threshold C 1s photoionization of acetylene. <i>Journal of Chemical Physics</i> , 1997, 107, 4219-4224.	3.0	28
53	Fast dissociation of resonantly core excited H <sub>2</sub> S studied by vibrational and temporal analysis of the Auger spectra. <i>Computational and Theoretical Chemistry</i> , 1997, 394, 135-145.	1.5	28
54	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

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55	Performance and characterization of the FinEstBeAMS beamline at the MAXÅIV Laboratory. Journal of Synchrotron Radiation, 2021, 28, 1620-1630.	2.4	28
56	Electron decay following the N 1s $\rightarrow$ 1 $\pi^*$ excitation in N <sub>2</sub> studied under resonant Raman conditions. Journal of Electron Spectroscopy and Related Phenomena, 1999, 98-99, 111-120.	1.7	26
57	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
58	Fluorescence Emission of Excited Hydrogen Atoms after Core Excitation of Water Vapor. Physical Review Letters, 2006, 96, 063003.	7.8	25
59	Characterisation of the electronic structure of some stable nitroxyl radicals using variable energy photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 10734-10742.	2.8	25
60	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
61	Threshold phenomena in high-resolution core-level photoelectron spectroscopy: the ethene molecule. Journal of Electron Spectroscopy and Related Phenomena, 1998, 93, 39-48.	1.7	24
62	Conjugate shake-up-enhanced Auger transitions in N <sub>2</sub> . Physical Review A, 1995, 52, 1224-1228.	2.5	23
63	Angle-resolved Auger spectra of the molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4279-4291.	1.5	23
64	Auger decay at the 1s $\rightarrow$ 1np (n=3-5) resonances of Ne. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 49-53.	1.7	23
65	Refinement in the analysis of molecular Auger electron spectra: The 2p $\rightarrow$ 1 $\pi^*$ 3p $\rightarrow$ 2 spectra of HCl and DCl. Physical Review A, 2002, 65, .	2.5	22
66	Resonance Auger and autoionization processes in solid lanthanum after 4d to 4f resonant excitation by synchrotron radiation. Journal of Physics Condensed Matter, 1991, 3, 8707-8714.	1.8	21
67	The Cl(2p) photoelectron spectra of the HCl and DCl molecules: the effects of the molecular field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2000, 33, L157-L164.	1.5	21
68	Detection of the Pe1 Series of Doubly Excited Helium States below N=2 via the Stark Effect. Physical Review Letters, 2006, 96, 093001.	7.8	21
69	An experimental NEXAFS and computational TDDFT and $\hat{\rho}$ -DFT study of the gas-phase core excitation spectra of nitroxide free radical TEMPO and its analogues. Physical Chemistry Chemical Physics, 2016, 18, 10207-10217.	2.8	21
70	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
71	High-resolution study of resonant decay following the O 1s $\rightarrow$ $\pi^*$ excitation(s) in CO <sub>2</sub> : evidence for an overlapping Rydberg transition. Chemical Physics Letters, 1997, 274, 13-17.	2.6	20
72	Angular distribution in xenon M <sub>4,5</sub> N <sub>4,5</sub> Auger decay. Physical Review A, 1999, 59, 315-319.	2.5	20

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73	On the correct identification of shape resonances in NEXAFS. <i>Surface Science</i> , 1999, 425, L376-L380.	1.9	20
74	Formation of CN (B <sup>2</sup> Σ <sup>+</sup> ) radicals in the vacuum-ultraviolet photodissociation of pyridine and pyrimidine molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 055103.	1.5	20
75	Subnatural Linewidths in Core Level Excitation Spectra. <i>Physical Review Letters</i> , 1998, 81, 301-304.	7.8	19
76	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
77	O 1s π* Resonance in O <sub>2</sub> : Inadequacy of Only Two Exchange-Split Components. <i>Physical Review Letters</i> , 2002, 88, 243002.	7.8	19
78	Gas-phase endstation of electron, ion and coincidence spectroscopies for diluted samples at the FinEstBeAMS beamline of the MAX-IV 1.5 GeV storage ring. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1080-1091.	2.4	19
79	Interpretation of the N <sub>2</sub> , N <sub>4</sub> , O <sub>2</sub> , O <sub>3</sub> Coster-Kronig spectrum of xenon. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 89-94.	1.7	18
80	Fluorescence emission following core excitations in the water molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 1101-1112.	1.5	18
81	Shake-up transitions in S 2p, S 2s and F 1s photoionization of the SF <sub>6</sub> molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 055102.	1.5	18
82	Photofragmentation of tetrahydrofuran molecules in the vacuum-ultraviolet region via superexcited states studied by fluorescence spectroscopy. <i>Physical Review A</i> , 2011, 83, .	2.5	18
83	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
84	L <sub>1</sub> ~L <sub>2,3</sub> Coster-Kronig transitions in argon. <i>Physical Review A</i> , 1999, 59, 4071-4074.	2.5	17
85	Lifetime and Auger decay of strongly correlated 4p hole states of xenon. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 137-140, 281-285.	1.7	17
86	Molecular alignment of ammonia studied by electron-ion-ion coincidence spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 122, 114306.	3.0	17
87	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
88	Kr M <sub>4,5</sub> N <sub>2,3</sub> N <sub>2,3</sub> N <sub>2,3</sub> and Xe N <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
89	The resonance Auger decay of the Xe 4d <sub>3/2,5/2</sub> -1np, n=7,8 states studied by high-resolution experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4509-4528.	1.5	16
90	Angle-resolved electronic decay of the ĩ€*, ĩƒ* and Rydberg resonances below the OK-edge in O <sub>2</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 93, 81-88.	1.7	16

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91	The gas phase L <sub>2,3</sub> VV Auger electron spectra of chlorine in XCl (X=H, D, Li, Na, K) molecules. Journal of Chemical Physics, 2000, 113, 662-675.	3.0	16
92	Superexcited states in the vacuum-ultraviolet photofragmentation of isoxazole molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 205103.	1.5	16
93	Angular distribution in resonant Auger spectra of xenon excited below the 3d <sup>5/2</sup> ionization threshold. Physical Review A, 2001, 63, .	2.5	15
94	Observation of core-hole double excitations in water using fluorescence spectroscopy. Physical Review A, 2007, 75, .	2.5	15
95	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
96	Hydrogen migration in formation of NH(A <sup>3</sup> I) radicals via superexcited states in photodissociation of isoxazole molecules. Journal of Chemical Physics, 2014, 141, 064301.	3.0	14
97	Ultra-Fast-VUV Photoemission Study of UV Excited 2-Nitrophenol. Journal of Physical Chemistry A, 2019, 123, 1295-1302.	2.5	14
98	Fluorescence study of doubly excited states of molecular hydrogen. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 205-213.	1.5	13
99	Fluorescence emission from photo-fragments after resonant S 2p excitations in H <sub>2</sub> S. Physical Chemistry Chemical Physics, 2007, 9, 389-395.	2.8	13
100	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
101	The study of the electronic structure of some N-heterocyclic carbenes (NHCs) by variable energy photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 10656-10667.	2.8	13
102	Assignment of fine structure in the HBr absorption spectrum at the Br 3d <sup>π</sup> Rydberg resonances using the Auger resonant Raman effect. Physical Review A, 1997, 56, R3342-R3345.	2.5	12
103	Vibrational and shake-up excitations in the C 1s photoionization of ethane and deuterated ethane. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 2691-2706.	1.5	12
104	Nonlinear dispersion in resonant Auger decay of H <sub>2</sub> O molecules. Physical Review A, 1999, 59, 1336-1340.	2.5	12
105	The Kr valence photoelectron satellite lines in the photon energy region below the 3d threshold. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4169-4177.	1.5	12
106	Spectrometer for X-ray emission experiments at FERMI free-electron-laser. Review of Scientific Instruments, 2014, 85, 103112.	1.3	12
107	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
108	Electron correlation effects in Auger cascades following 2p <sup>n</sup> 1s excitations in argon. Physical Review A, 2001, 63, .	2.5	11

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109	Auger decay widths of the ligand-field-split Br 3d components in the HBr molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 4607-4611.	1.5	11
110	Ioniclike energy structure of neutral core-excited states in free Kr clusters. Physical Review A, 2005, 72, .	2.5	11
111	Valence electronic structure and photofragmentation of 1,1,1,2-tetrafluoroethane (CF <sub>3</sub> -CH <sub>2</sub> F). Physical Review A, 2012, 85, .	2.5	11
112	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
113	Characterisation of the electronic structure of galvinoxyl free radical by variable energy UPS, XPS and NEXAFS spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 2480-2491.	2.8	11
114	Interference effects between 2p photoionization and resonant Auger decay channels at 2s <sup>n</sup> 1np (n=4,5) inner-shell resonances in Ar. Physical Review A, 2002, 65, .	2.5	10
115	Resonant Auger spectroscopy of argon clusters at the 2p threshold. Physical Review A, 2005, 71, .	2.5	10
116	Disentangling the complex line profiles in the Cl 2p photoelectron spectra of Cl <sub>2</sub> . Chemical Physics Letters, 2006, 426, 452-458.	2.6	10
117	Lyman and Balmer emission following core excitations in methane and ammonia molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 1489-1500.	1.5	10
118	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
119	Characterization of gas phase iron phthalocyanine with X-ray photoelectron and absorption spectroscopies. Physica Status Solidi (B): Basic Research, 2015, 252, 1259-1265.	1.5	10
120	The electronic structure of ionic liquids based on the TFSI anion: A gas phase UPS and DFT study. Journal of Molecular Liquids, 2019, 294, 111580.	4.9	10
121	The C 1s Auger decay spectrum of : an analysis of the core-excited states. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 93-100.	1.5	9
122	Ionization through the Auger decay of doubly excited 4d <sup>9</sup> 5p <sup>5</sup> nln <sup>2</sup> states in Xe. Physical Review A, 1999, 59, R2563-R2566.	2.5	9
123	Strong nonmonopole shake transitions in the Br $\frac{d^3}{dt^3} \hat{a}$		



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127	Characterization of the intermediate and final states of the $2p_{3/2}^{-1}4p$ resonant Auger spectra of HCl. <i>Physical Review A</i> , 1998, 58, R1645-R1648.	2.5	8
128	Photoelectron spectroscopy of sulfur L levels in the SF <sub>5</sub> CF <sub>3</sub> molecule. <i>Chemical Physics</i> , 2008, 353, 202-208.	1.9	8
129	Effect of the Cl 2p core orbital excitation on the nuclear dynamics of the three dichloroethylene isomers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 24-28.	1.7	7
130	O 1s excitation and ionization processes in the CO <sub>2</sub> molecule studied via detection of low-energy fluorescence emission. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 165103.	1.5	7
131	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, .	2.5	7
132	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
133	Vacuum ultraviolet photoionization and ionic fragmentation of the isoxazole molecules. <i>International Journal of Mass Spectrometry</i> , 2020, 449, 116276.	1.5	7
134	Experimental station for gas phase fluorescence spectroscopy. <i>Review of Scientific Instruments</i> , 2004, 75, 2402-2408.	1.3	6
135	Negative-Ion/Positive-Ion Coincidence Yields of Core-Excited Water. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6389-6393.	2.5	6
136	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
137	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
138	Fast dissociation of neutral doubly excited states above the S 2p ionization threshold in H <sub>2</sub> S. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L325-L331.	1.5	5
139	Interference effects between 4s photoionization and resonant Auger-decay channels at inner-shell 3d <sub>9</sub> 4p <sub>5</sub> nl double excitations in Kr. <i>Physical Review A</i> , 2000, 62, .	2.5	5
140	Autoionisation of superexcited states in N <sub>2</sub> to the N <sub>2</sub> <sup>+</sup> B state. <i>Chemical Physics Letters</i> , 2003, 372, 139-146.	2.6	5
141	Neutral dissociation of superexcited states in nitric oxide. <i>Chemical Physics</i> , 2003, 293, 65-73.	1.9	5
142	VUV photon induced fluorescence study of SF <sub>5</sub> CF <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5199-5206.	2.8	5
143	Localized versus delocalized excitations just above the 3d threshold in krypton clusters studied by Auger electron spectroscopy. <i>Journal of Chemical Physics</i> , 2007, 127, 124314.	3.0	5
144	Core localization and delocalization in the O 1s core-excited sulfur dioxide molecule. <i>Journal of Chemical Physics</i> , 2008, 128, 114311.	3.0	5

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145	Interference effects in the decay of the $3d^1 5p, 6p$ excitations of Kr studied with fluorescence spectroscopy. <i>Physical Review A</i> , 2008, 77, .	2.5	5
146	Assignment of the $\langle \mathit{VV} \rangle$ normal Auger decay spectrum of $\langle \mathit{VV} \rangle$ . <i>Chemical Physics Letters</i> , 2009, 474, 67-73.	2.6	5
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