

Svante Svensson

List of Publications by Year in descending order

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papers

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31902

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88
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338
docs citations

338
times ranked

6007
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Tunable Rashba Spin Splitting of a Two-Dimensional Electron Gas in Bi_2Se_3 . Physical Review Letters, 2011, 107, 096802.	2.9	405
2	Electron shake-up and correlation satellites and continuum shake-off distributions in X-Ray photoelectron spectra of the rare gas atoms. Journal of Electron Spectroscopy and Related Phenomena, 1988, 47, 327-384.	0.8	275
3	Thermochromism in poly(3-hexylthiophene) in the solid state: A spectroscopic study of temperature-dependent conformational defects. Journal of Chemical Physics, 1988, 89, 4613-4619.	1.2	255
4	Core-electron relaxation energies and valence-band formation of linear alkanes studied in the gas phase by means of electron spectroscopy. Physical Review A, 1976, 14, 2133-2145.	1.0	230
5	A high resolution ESCA instrument with X-ray monochromator for gases and solids. Journal of Electron Spectroscopy and Related Phenomena, 1973, 2, 405-434.	0.8	226
6	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.	0.7	218
7	Vibrational and lifetime line broadenings in ESCA. Chemical Physics Letters, 1974, 28, 1-7.	1.2	203
8	Lifetime Broadening and CI-Resonances Observed in ESCA. Physica Scripta, 1976, 14, 141-147.	1.2	197
9	A soft X-ray monochromator for the MAX synchrotron radiation facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 246, 267-271.	0.7	181
10	The high kinetic energy photoelectron spectroscopy facility at BESSY progress and first results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 601, 48-53.	0.7	181
11	Femtosecond Interatomic Coulombic Decay in Free Neon Clusters: Large Lifetime Differences between Surface and Bulk. Physical Review Letters, 2004, 93, 173401.	2.9	173
12	Femtosecond Dissociation of Core-Excited HCl Monitored by Frequency Detuning. Physical Review Letters, 1997, 79, 3150-3153.	2.9	166
13	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.	0.8	165
14	Subnatural linewidths in the KrM5N2,3N2,3 and XeN5O2,3O2,3 resonant Auger spectra. Physical Review Letters, 1993, 71, 4307-4310.	2.9	162
15	On the origin of a third spectral component of C1s XPS-spectra for nc-TiC/a-C nanocomposite thin films. Surface and Coatings Technology, 2008, 202, 3563-3570.	2.2	160
16	Core and valence orbitals in solid and gaseous mercury by means of ESCA. Journal of Electron Spectroscopy and Related Phenomena, 1976, 9, 51-65.	0.8	137
17	Doppler Splitting of In-Flight Auger Decay of Dissociating Oxygen Molecules: The Localization of Delocalized Core Holes. Physical Review Letters, 2000, 84, 2826-2829.	2.9	123
18	High-resolution study of the correlation satellites in photoelectron spectra of the rare gases. Journal of Electron Spectroscopy and Related Phenomena, 1996, 77, 241-266.	0.8	116

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19	Evidence for ultra-fast dissociation of molecular water from resonant Auger spectroscopy. <i>Chemical Physics Letters</i> , 2001, 334, 151-158.	1.2	114
20	SCF and limited CI calculations for assignment of the Auger spectrum and of the satellites in the soft X-ray spectrum of H ₂ O. <i>Chemical Physics Letters</i> , 1975, 35, 336-344.	1.2	113
21	A new method for ESCA studies of liquid-phase samples. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1981, 24, 205-213.	0.8	109
22	X-ray photoelectron, Auger electron and ion fragment spectra of O ₂ and potential curves of O ₂ ²⁺ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1990, 23, 1175-1195.	0.6	106
23	The vibrationally resolved participator Auger spectra of selectively excited C 1s(2f) vibrational states in carbon monoxide. <i>Journal of Chemical Physics</i> , 1995, 102, 7317-7324.	1.2	98
24	Performance of the modified SX700 plane grating monochromator at the Finnish beamline in MAXlab. <i>Review of Scientific Instruments</i> , 1994, 65, 831-836.	0.6	87
25	Vibrational structure in the carbon 1s ionization of hydrocarbons: Calculation using electronic structure theory and the equivalent-cores approximation. <i>Journal of Chemical Physics</i> , 1998, 109, 1041-1051.	1.2	86
26	Collapse of Vibrational Structure in the Auger Resonant Raman Spectrum of CO by Frequency Detuning. <i>Physical Review Letters</i> , 1997, 79, 1451-1454.	2.9	85
27	Influence of sputter damage on the XPS analysis of metastable nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2009, 204, 455-462.	2.2	84
28	The size of neutral free clusters as manifested in the relative bulk-to-surface intensity in core level photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 345-356.	1.2	82
29	A theoretical study of x-ray photoelectron spectra of model molecules for polymethylmethacrylate. <i>Journal of Chemical Physics</i> , 1991, 95, 2965-2974.	1.2	80
30	The electronic structure of free water clusters probed by Auger electron spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 054310.	1.2	80
31	New end station for the study of gases, liquids, and solid films at the MAX laboratory. <i>Review of Scientific Instruments</i> , 1996, 67, 2149-2156.	0.6	78
32	Observation of an anomalous decay ratio between the molecular field split levels in the S 2p core photoelectron and LVV Auger spectrum of H ₂ S. <i>Physical Review Letters</i> , 1994, 72, 3021-3024.	2.9	76
33	High-energy photoelectron C 1s and O 1s shake-up spectra of CO. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 6031-6040.	1.6	71
34	The vibrationally resolved C 1s core photoelectron spectra of methane and ethane. <i>Journal of Chemical Physics</i> , 1997, 106, 1661-1668.	1.2	69
35	Observation of a Continuum-Continuum Interference Hole in Ultrafast Dissociating Core-Excited Molecules. <i>Physical Review Letters</i> , 2000, 85, 3133-3136.	2.9	69
36	A high resolution ESCA instrument with X-ray monochromator for gases and solids. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1973, 2, 405-434.	0.8	68

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37	Ethene and the Chloroethenes Studied by ESCA. <i>Physica Scripta</i> , 1975, 12, 235-247.	1.2	68
38	Variable surface composition and radial interface formation in self-assembled free, mixed Ar ⁺ Xe clusters. <i>Physical Review A</i> , 2004, 69, .	1.0	66
39	Partially Reversible Photoinduced Chemical Changes in a Mixed-Ion Perovskite Material for Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34970-34978.	4.0	65
40	Study of different SX α 700 monochromator designs for the undulator beamline (BL51) at MAX α lab. <i>Review of Scientific Instruments</i> , 1992, 63, 1252-1255.	0.6	64
41	Raman versus Non-Raman Behavior in Resonant Auger Spectra of HCl. <i>Physical Review Letters</i> , 1996, 76, 3100-3103.	2.9	64
42	Correlation of ESCA shifts and Hammett substituent constants in substituted benzene derivatives. <i>Chemical Physics Letters</i> , 1976, 40, 175-179.	1.2	61
43	High-resolution C 1s photoelectron spectra of methane, ethene, propene, and 2-methylpropene. <i>Physical Review A</i> , 1997, 55, 2748-2756.	1.0	61
44	C1shakeup spectrum of C60: Global charge-transfer satellites and their relation to the x-ray threshold singularities in macroscopic systems. <i>Physical Review B</i> , 1993, 48, 14629-14637.	1.1	59
45	Selective probing of the electronic structure of free clusters using resonant core-level spectroscopy. <i>Chemical Physics</i> , 2003, 289, 3-13.	0.9	58
46	X-ray excited photoelectron spectra of free molecules containing oxygen. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1991, 56, 117-164.	0.8	57
47	Inner valence satellite structure in high resolution X-ray excited photoelectron spectra of N ₂ and CO. <i>Physica Scripta</i> , 1991, 44, 184-190.	1.2	57
48	Vibronic and electronic states of doubly charged H ₂ S studied by Auger and charge transfer spectroscopy and by ab initio calculations. <i>Journal of Chemical Physics</i> , 1990, 93, 918-931.	1.2	56
49	The protonation state of small carboxylic acids at the water surface from photoelectron spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12261.	1.3	55
50	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.	0.8	54
51	Experimental Verification of the Line-Shape Distortion in Resonance Auger Spectra. <i>Physical Review Letters</i> , 1995, 74, 2917-2920.	2.9	54
52	The influence of concentration on the molecular surface structure of simple and mixed aqueous electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10693.	1.3	54
53	Valence and core-shakeup photoelectron spectra of solid polyacetylene and related free model molecules. <i>Physical Review B</i> , 1992, 45, 6390-6399.	1.1	53
54	Finnish beamline at MAX α laboratory: Progress in the photon energy resolution. <i>Review of Scientific Instruments</i> , 1995, 66, 1621-1623.	0.6	53

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55	Isotope effects in the auger electron spectra of HBr and DBr. <i>Chemical Physics</i> , 1989, 133, 281-289.	0.9	51
56	Auger decay of the dissociating core-excited states in the HCl and DCl molecules. <i>Journal of Chemical Physics</i> , 1996, 104, 4475-4480.	1.2	51
57	Nonstoichiometric Intensities in Core Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2012, 108, 193005.	2.9	51
58	Principles and operation of a new type of electron spectrometer "ArTOF. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 191, 92-103.	0.8	51
59	Experimental and theoretical XPS study of model molecules for poly(methyl methacrylate). <i>Surface and Interface Analysis</i> , 1991, 17, 94-104.	0.8	49
60	Two dimensional band structure mapping of organic single crystals using the new generation electron energy analyzer ARTOF. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 55-60.	0.8	49
61	A theoretical and experimental study of the carbon 1s shake-up structure of benzene. <i>Chemical Physics Letters</i> , 1978, 54, 420-424.	1.2	48
62	Multiple excitations and charge transfer in the ESCA N1s (NO ₂) spectrum of paranitroaniline. A theoretical and experimental study. <i>Journal of Chemical Physics</i> , 1982, 77, 3893-3901.	1.2	48
63	Femtosecond pump-probe photoelectron spectroscopy of predissociative Rydberg states in acetylene. <i>Journal of Chemical Physics</i> , 2000, 112, 8038-8042.	1.2	48
64	Observation of an energy shift in the S _{2p} 3/2 " S _{2p} 1/2 spin-orbit splitting between x-ray photoelectron and Auger-electron spectra for the H ₂ S molecule. <i>Physical Review A</i> , 1991, 43, 6441-6443.	1.0	47
65	Bond-distance-dependent decay probability of the N 1s π^* core-excited state in N ₂ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1819-1826.	0.6	47
66	Gas-phase ESCA studies of valence and core levels in xenon difluoride and xenon tetrafluoride. <i>Inorganic Chemistry</i> , 1978, 17, 1595-1599.	1.9	46
67	The photoelectron spectrum of HCl and DCl studied with ultraviolet excitation, high resolution x-ray excitation, and synchrotron radiation excitation: Isotope effects on line profiles. <i>Journal of Chemical Physics</i> , 1988, 89, 7193-7200.	1.2	46
68	A new gas phase electron spectrometer at Max-Lab. <i>Synchrotron Radiation News</i> , 1994, 7, 25-31.	0.2	46
69	Angle-resolved electron spectroscopy of the resonant Auger decay in xenon with meV energy resolution. <i>New Journal of Physics</i> , 2011, 13, 073014.	1.2	46
70	Observation of autoionizing resonances in core electron shakeup spectra. <i>Physical Review Letters</i> , 1987, 58, 2639-2641.	2.9	45
71	Correlation effects in the resonant Auger decay of the Xe 4d _{3/2,5/2} π^* states studied by high-resolution experiment and multiconfiguration Dirac-Fock theory. <i>Physical Review A</i> , 1995, 51, 1291-1303.	1.0	45
72	High-resolution study of the Xe 4d _{5/2} :4d _{3/2} branching ratio. <i>Physical Review A</i> , 1995, 51, 855-858.	1.0	45

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73	Femtosecond dissociation of ozone studied by the Auger Doppler effect. <i>Journal of Chemical Physics</i> , 2001, 115, 3614-3620.	1.2	45
74	A new energy and angle resolving electron spectrometer – First results. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 183, 125-131.	0.8	45
75	Experimental and INDO/CI calculated gas phase C1s shake-up spectra of C ₆ H ₆ , C ₆ H ₅ OH, and C ₆ H ₅ CH ₂ OH. <i>Journal of Chemical Physics</i> , 1988, 88, 2630-2636.	1.2	44
76	Decay of the 1P_1 and 3P_1 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.	0.6	44
77	Spin-Orbit Coupling and Metal-Ligand Interactions in Fe(II), Ru(II), and Os(II) Complexes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10314-10322.	1.5	44
78	Gas-phase x-ray photoelectron spectroscopy of model molecules relating to the thermochromism in poly(3-alkylthiophene). <i>Journal of Chemical Physics</i> , 1990, 93, 6357-6362.	1.2	43
79	Soft x-ray photoionization of atoms and molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, S821-S838.	0.6	43
80	Determination of vertical phase separation in a polyfluorene copolymer: fullerene derivative solar cell blend by X-ray photoelectron spectroscopy. <i>Journal of Materials Chemistry</i> , 2009, 19, 4899.	6.7	43
81	SCF and limited CI calculations on the 1s shake-up spectrum of H ₂ O. <i>Chemical Physics Letters</i> , 1976, 38, 1-8.	1.2	42
82	Single and double shake-up processes in the Ne 1s photoelectron spectrum. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 6243-6255.	1.6	42
83	Observation of elastic scattering effects on photoelectron angular distributions in free Xe clusters. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3937-3949.	0.6	42
84	Single bunch X-ray pulses on demand from a multi-bunch synchrotron radiation source. <i>Nature Communications</i> , 2014, 5, 4010.	5.8	42
85	High-resolution Auger-electron spectrum of HCl and DCl. <i>Physical Review A</i> , 1989, 40, 4369-4377.	1.0	41
86	Experimental and theoretical study of the N1s and C1s shake-up satellites in pyridine and aniline. <i>Chemical Physics</i> , 1991, 155, 379-387.	0.9	41
87	The N 1s core electron shake-up and the shake-up Auger satellite spectrum of the N ₂ molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 135-144.	0.6	41
88	Toward the Spectrum of Free Polyethylene: Linear Alkanes Studied by Carbon 1s Photoelectron Spectroscopy and Theory. <i>Journal of the American Chemical Society</i> , 2002, 124, 7866-7873.	6.6	41
89	Radial surface segregation in free heterogeneous argon/krypton clusters. <i>Chemical Physics Letters</i> , 2004, 392, 433-438.	1.2	41
90	X-ray, ultraviolet, and synchrotron radiation excited inner-valence photoelectron spectra of CH ₄ . <i>Journal of Chemical Physics</i> , 1991, 94, 2536-2542.	1.2	40

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91	The C1s shakeup spectra of Buckminsterfullerene, acenaphthylene, and naphthalene, studied by high resolution x-ray photoelectron spectroscopy and quantum mechanical calculations. Journal of Chemical Physics, 1995, 103, 6333-6342.	1.2	40
92	From localised to delocalised electronic states in free Ar, Kr and Xe clusters. European Physical Journal D, 2004, 30, 343-351.	0.6	40
93	Theoretical and experimental studies of the valence photoelectron spectrum of C2H2. Journal of Chemical Physics, 1982, 77, 4895-4902.	1.2	39
94	Vibrational structure of the chloromethane series, CH _{4-n} Cl _n , studied by core photoelectron spectroscopy and ab initio calculations. Journal of Chemical Physics, 1999, 110, 5806-5813.	1.2	39
95	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.	0.6	38
96	Excitation-energy-dependent resonant photoemission: C1s- $\tilde{\nu}^*$ spectra of carbon monoxide. Physical Review A, 1997, 56, 4665-4674.	1.0	38
97	Sample Preserving Deep Interface Characterization Technique. Physical Review Letters, 2006, 97, 266106.	2.9	38
98	Electron correlation in Xe 4d _{5/2} $\tilde{\nu}^*$ 16p $\tilde{\nu}^*$ 5p $\tilde{\nu}^*$ 26p resonant Auger transitions studied by utilizing the Auger resonant Raman effect. Physical Review A, 1994, 49, R4269-R4272.	1.0	37
99	The ESCA molecule $\tilde{\nu}^*$ Historical remarks and new results. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 191-197.	0.8	37
100	Ar valence-electron double-excitation satellites studied by high-energy photoelectron spectroscopy. Physical Review Letters, 1987, 58, 1624-1627.	2.9	35
101	Determination of the lifetime width of the argonL1-hole state. Physical Review A, 1993, 47, 1539-1542.	1.0	35
102	Probing the Molecular Primary and Secondary Structures of Saturated Hydrocarbons by X-ray Photoionization Spectroscopy. Journal of the American Chemical Society, 1994, 116, 10715-10724.	6.6	35
103	The x-ray excited Auger electron spectrum of NO and potential curves and photodissociation of the NO ₂ ⁺ ion. Journal of Chemical Physics, 1992, 96, 4884-4895.	1.2	34
104	Vibrational structure and vibronic coupling in the carbon 1s photoelectron spectra of benzene and deuterobenzene. Physical Chemistry Chemical Physics, 2002, 4, 5937-5943.	1.3	34
105	Size of neutral argon clusters from core-level photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2006, 8, 1891-1898.	1.3	34
106	Evidence of ultra-fast dissociation in ammonia observed by resonant Auger electron spectroscopy. Chemical Physics Letters, 2003, 370, 781-788.	1.2	33
107	Self-assembled heterogeneous argon/neon core-shell clusters studied by photoelectron spectroscopy. Journal of Chemical Physics, 2007, 126, 214706.	1.2	33
108	Low Dose Photoelectron Spectroscopy at BESSY II: Electronic structure of matter in its native state. Journal of Electron Spectroscopy and Related Phenomena, 2018, 224, 68-78.	0.8	33

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109	High resolution x-ray photoelectron spectroscopy study of Cr(CO) ₆ in the gas phase. Journal of Chemical Physics, 1992, 96, 8770-8780.	1.2	32
110	Markovnikov addition to alkenes. A different view from core-electron spectroscopy and theory. Journal of the Chemical Society Perkin Transactions II, 1997, , 749-756.	0.9	32
111	Ionic-Charge Dependence of the Intermolecular Coulombic Decay Time Scale for Aqueous Ions Probed by the Core-Hole Clock. Journal of the American Chemical Society, 2011, 133, 13430-13436.	6.6	32
112	On Routes to Ultrafast Dissociation of Polyatomic Molecules. Journal of Physical Chemistry Letters, 2013, 4, 2361-2366.	2.1	32
113	The electron spectrum of UF ₆ recorded in the gas phase. Journal of Chemical Physics, 1984, 80, 5458-5464.	1.2	31
114	Experimental and theoretical studies of the doubly charged NO ₂ ²⁺ ion. Journal of Chemical Physics, 1988, 89, 3553-3564.	1.2	31
115	The NVV Auger electron spectrum of the HI molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 3001-3009.	0.6	31
116	Doubly charged valence states of formaldehyde, acetaldehyde, acetone, and formamide studied by means of photon excited Auger electron spectroscopy and ab initio calculations. Journal of Chemical Physics, 1991, 95, 5187-5197.	1.2	31
117	X-ray induced electron yield spectrum of thin films of 1,3-trans-butadiene and 1,3,5-trans-hexatriene. Journal of Electron Spectroscopy and Related Phenomena, 1992, 59, 293-305.	0.8	31
118	Angular anisotropy of the Kr 3d _{3/2,5/2} → 4p _{3/2,1/2} resonant Auger decay studied by utilizing the Auger resonant Raman effect. Physical Review A, 1996, 54, 605-612.	1.0	31
119	Nuclear motion driven by the Renner-Teller effect as observed in the resonant Auger decay to the X ¹ Σ ⁺ electronic ground state of N ₂ O ⁺ . Journal of Chemical Physics, 2001, 115, 864-869.	1.2	31
120	Auger Electron Spectroscopy as a Probe of the Solution of Aqueous Ions. Journal of the American Chemical Society, 2009, 131, 7264-7271.	6.6	31
121	Semiempirical configuration interaction calculations of shake-up satellites in formaldehyde, benzene, and benzaldehyde. Journal of Chemical Physics, 1989, 90, 4341-4350.	1.2	30
122	Experimental and theoretical study of the XPS core levels of gas phase acetonitrile, acrylonitrile and propionitrile. Model molecules for polyacrylonitrile. Journal of Electron Spectroscopy and Related Phenomena, 1993, 63, 239-251.	0.8	30
123	Vibronic coupling in the ground and excited states of the naphthalene cation. Chemical Communications, 2004, , 1702-1703.	2.2	30
124	The far from equilibrium structure of argon clusters doped with krypton or xenon. Physical Chemistry Chemical Physics, 2006, 8, 1899-1905.	1.3	30
125	Size determination of free metal clusters by core-level photoemission from different initial charge states. Physical Review B, 2007, 76, .	1.1	30
126	Observation of Isotope Effects in Auger-Electron Spectra: The Predissociative 2 ¹ Σ ⁺ → 3Σ ⁺ State in HCl and DCI. Physical Review Letters, 1988, 60, 2473-2475.	2.9	29

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127	The C1s core shake-up spectra of alkene molecules: An experimental and theoretical study. <i>Journal of Chemical Physics</i> , 1992, 96, 6389-6398.	1.2	29
128	High-resolution excitation-energy-dependent study of the Auger decay of the O1s ⁻¹ core-excited state in oxygen. <i>Physical Review A</i> , 2001, 64, .	1.0	29
129	Free nanoscale sodium clusters studied by core-level photoelectron spectroscopy. <i>Physical Review B</i> , 2007, 75, .	1.1	29
130	Electron spectroscopy observation of the 1s _{2s} 2p ₆ (2S) state in atomic fluorine by means of electron impact excitation of the hf molecule. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 50, C1-C7.	0.8	28
131	Theory of Auger spectra for molecular-field-split core levels. <i>Physical Review A</i> , 1996, 53, 1379-1387.	1.0	28
132	Fast dissociation of resonantly core excited H ₂ S studied by vibrational and temporal analysis of the Auger spectra. <i>Computational and Theoretical Chemistry</i> , 1997, 394, 135-145.	1.5	28
133	Continuum resonance in ethylene: Evidence from vibrationally resolved core photoionization. <i>Physical Review A</i> , 1998, 58, 1879-1884.	1.0	28
134	The resonant Auger electron spectrum of C ₂ H ₄ 1s ⁻¹ excited ethene: A combined theoretical and experimental investigation. <i>Journal of Chemical Physics</i> , 2000, 112, 6666-6677.	1.2	28
135	Resonant photoemission and Auger emission from molecules. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 1-14.	0.8	28
136	Charge Dependence of Solvent-Mediated Intermolecular Coster-Kronig Decay Dynamics of Aqueous Ions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 17057-17061.	1.2	28
137	Multiple excitations in the core photoelectron spectrum of acetylene. <i>Chemical Physics Letters</i> , 1982, 92, 125-130.	1.2	27
138	Core Hole Effects in Resonant Inelastic X-Ray Scattering of Graphite. <i>Physical Review Letters</i> , 1996, 76, 1761-1761.	2.9	27
139	Preferential site occupancy observed in coexpanded argon-krypton clusters. <i>Physical Review A</i> , 2006, 74, .	1.0	27
140	The local structure of small water clusters: imprints on the core-level photoelectron spectrum. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 055201.	0.6	27
141	The dynamic Auger Doppler effect in HF and DF: control of fragment velocities in femtosecond dissociation through photon energy detuning. <i>Chemical Physics Letters</i> , 2002, 354, 382-388.	1.2	26
142	Mapping potential energy surfaces by core electron excitation: the resonant Auger decay spectrum of BF ₃ . <i>Chemical Physics Letters</i> , 2002, 359, 48-54.	1.2	26
143	Étude de la structure électronique des hydrocarbures linéaires saturés en fonction de leur taille. - I. Evolution d'un niveau électronique vers une structure de bande. <i>Journal De Physique</i> , 1977, 38, 1213-1220.	1.8	25
144	Double-ionization energies of CCl ₄ by double-charge-transfer and x-ray Auger-electron spectroscopies. <i>Physical Review A</i> , 1989, 40, 163-170.	1.0	25

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145	Generalization of the duration-time concept for interpreting high-resolution resonant photoemission spectra. <i>Physical Review A</i> , 2004, 69, .	1.0	25
146	Laser excitation combined with 2p photoionization and Auger decay of potassium. <i>Physical Review A</i> , 2006, 73, .	1.0	25
147	Solvent Effect of Alcohols at the L-Edge of Iron in Solution: X-ray Absorption and Multiplet Calculations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12571-12574.	1.2	25
148	X-ray photoelectron spectroscopy and ab initio CI study of the core and valence ionisation of formamide. <i>Chemical Physics</i> , 1993, 169, 379-394.	0.9	24
149	Large variations in the propensity of aqueous oxychlorine anions for the solution/vapor interface. <i>Journal of Chemical Physics</i> , 2009, 131, 124706.	1.2	24
150	Gas phase ESCA studies of 2,5-diaza-1,6-dioxo-6a-thiapentalene and its selenium and tellurium analogs. <i>Journal of the American Chemical Society</i> , 1980, 102, 1783-1788.	6.6	23
151	Electron spectroscopy study of the 27.5 eV satellite line in acetylene excited by synchrotron radiation. <i>Chemical Physics Letters</i> , 1984, 111, 574-577.	1.2	23
152	Enhanced surface sensitivity in AES relative to XPS observed in free argon clusters. <i>Surface Science</i> , 2005, 594, 12-19.	0.8	23
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