E Weigold

List of Publications by Year
in descending order

176 papers	5,206 citations	117625 34 h-index	114465 63 g-index
177 all docs	177 docs citations	177 times ranked	807 citing authors

#	Article	IF	Citations
1	Electron momentum spectroscopy of atoms and molecules. Reports on Progress in Physics, 1991, 54, 789-879.	20.1	488
2	(e, 2e) spectroscopy. Physics Reports, 1976, 27, 275-371.	25.6	435
3	Wavefunction mapping in collision experiments. Reports on Progress in Physics, 1988, 51, 299-392.	20.1	217
4	Energy and Angular Correlations of the Scattered and Ejected Electrons in the Electron-Impact Ionization of Argon. Physical Review Letters, 1973, 30, 475-478.	7.8	141
5	Momentum distributions and ionization potentials for the valence orbitals of hydrogen fluoride and hydrogen chloride. Journal of Electron Spectroscopy and Related Phenomena, 1980, 21, 71-91.	1.7	99
6	Non-coplanar symmetric (e, 2e) momentum profile measurements for helium: an accurate test of helium wavefunctions. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2339-2352.	1.6	84
7	(e,Â2e) Probe for Hydrogen-Molecule Wave Functions. Physical Review Letters, 1975, 34, 782-785.	7.8	81
8	Condensed matter electron momentum spectrometer with parallel detection in energy and momentum. Review of Scientific Instruments, 1994, 65, 2214-2226.	1.3	81
9	Differential cross sections for the elastic scattering of electrons from atomic hydrogen. II. Medium energies. Physical Review A, 1974, 10, 175-181.	2.5	77
10	Direct measurement of the electron momentum probability distribution in atomic hydrogen. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 86, 139-141.	2.1	74
11	Angular Correlation for (e,2e) Reactions on Atoms. Physical Review A, 1973, 8, 2494-2500.	2.5	73
12	Elastic scattering of electrons by molecular and atomic hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 1345-1362.	1.6	73
13	Large-angle electron-photon coincidence experiment in atomic hydrogen. Physical Review A, 1980, 21, 1950-1954.	2.5	73
14	Electron-impact ionization of atomic hydrogen: Comparison of asymmetric (e,2e) measurements with theories. Physical Review A, 1984, 30, 758-767.	2.5	73
15	Electron impact ionisation of atomic hydrogen: experimental and theoretical (e,2e) differential cross sections. Journal of Physics B: Atomic and Molecular Physics, 1979, 12, 291-313.	1.6	67
16	Structure of inert gases from the (e,Â2e) reaction. Physical Review A, 1975, 11, 566-575.	2.5	61
17	High-energy (e,â€Š2e) spectrometer for the study of the spectral momentum density of materials. Review of Scientific Instruments, 2000, 71, 3831.	1.3	60
18	Electron-photon angular correlations in the electron impact excitation of H(2p). Journal of Physics B: Atomic and Molecular Physics, 1979, 12, 631-648.	1.6	58

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19	(e,Â2e) Reaction as a Probe for Details of the Helium Wave Function. Physical Review Letters, 1974, 33, 459-462.	7.8	57
20	Electron momentum spectroscopy of xenon: A detailed analysis. Physical Review A, 1986, 33, 211-221.	2.5	54
21	(e,2e) Spectroscopy of ethane. Journal of Electron Spectroscopy and Related Phenomena, 1976, 9, 397-412.	1.7	51
22	Factorized distorted-wave approximation for the (e,Â2e) reaction on atoms: Noncoplanar symmetric. Physical Review A, 1978, 17, 597-603.	2.5	50
23	Correlations in the autoionising region of He measured by the (e, 2e) technique. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 2819-2845.	1.5	49
24	Observation of Autoionizing Transitions in Helium Using the (e,Â2e) Technique. Physical Review Letters, 1975, 35, 209-212.	7.8	47
25	Noncoplanar symmetric (e,2e) reaction on argon. Physical Review A, 1985, 31, 160-166.	2.5	47
26	An electron momentum spectroscopy investigation of the 4d core states of xenon. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, L597-L601.	1.5	45
27	Absolute triple- and double-differential cross sections for ionisation of helium by electron impact. Journal of Physics B: Atomic and Molecular Physics, 1979, 12, L627-L631.	1.6	43
28	Satellite structure in the argon valence shell by electron-momentum spectroscopy. Physical Review A, 1989, 40, 3041-3053.	2.5	42
29	Direct Observations of Relativistic Effects in Single-Electron Momentum Distributions in Xenon Outer Shells. Physical Review Letters, 1984, 52, 1116-1118.	7.8	40
30	The elastic scattering of electrons from argon. Journal of Physics B: Atomic and Molecular Physics, 1974, 7, 1083-1090.	1.6	39
31	Fine Structure Effect in Electron Impact Ionization. Physical Review Letters, 1996, 76, 1228-1231.	7.8	38
32	(e, 2e) spectroscopy of H2O â€" separation energy spectra and valence orbital electron momentum distributions. Chemical Physics, 1977, 21, 81-87.	1.9	37
33	Factorized distorted-wave approximation for the (e,Â2e) reaction on atoms: Coplanar symmetric. Physical Review A, 1978, 17, 604-613.	2.5	37
34	(e, 2e) collisions on xenon with spin-polarized electrons. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4097-4121.	1.5	36
35	(e,Â2e) reaction in inert gases: Coplanar symmetric geometry. Physical Review A, 1975, 11, 576-585.	2.5	35
36	Orbital momentum profiles and binding energy spectra for the complete valence shell of molecular fluorine. Chemical Physics, 1996, 212, 269-300.	1.9	35

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37	Structure of atoms from the (e,2e) reaction. Physical Review A, 1974, 9, 260-266.	2.5	34
38	(e,Â2e) spectroscopy of the CO molecule. Physical Review A, 1977, 15, 102-111.	2.5	34
39	Electron-momentum spectroscopy of fullerene. Physical Review B, 1997, 56, 1309-1315.	3.2	34
40	A Density Functional Theory and Electron Momentum Spectroscopy Study into the Complete Valence Electronic Structure of Cubane. Journal of the American Chemical Society, 2000, 122, 3892-3900.	13.7	34
41	Electron ionization spectroscopy of acetylene: Momentum distributions of valence orbitals and correlation effects. Journal of Electron Spectroscopy and Related Phenomena, 1977, 12, 239-248.	1.7	33
42	Molecular orbital momentum distributions and binding energies for nitric oxide. Chemical Physics, 1982, 64, 287-297.	1.9	33
43	Ground state correlations in H2 measured by the (e,2e) technique. Chemical Physics Letters, 1977, 47, 209-212.	2.6	32
44	Spectral properties of quasiparticles in silicon:â€ƒA test of many-body theory. Physical Review B, 2003, 68, .	3.2	32
45	Energy-resolved electron-momentum densities of graphite films. Physical Review B, 1994, 50, 5635-5644.	3.2	31
46	Theoretical and (e,2e) Experimental Investigation into the Complete Valence Electronic Structure of [1.1.1]Propellane. Journal of the American Chemical Society, 1997, 119, 2896-2904.	13.7	31
47	Orientational Dichroism in the Electron-Impact Ionization of Laser-Oriented Atomic Sodium. Physical Review Letters, 1998, 80, 257-260.	7.8	31
48	(e, 2e) spectroscopy of N2â€”valence momentum distributions and configuration interaction. Journal of Electron Spectroscopy and Related Phenomena, 1977, 10, 177-191.	1.7	30
49	Improved techniques in multiparameter coincidence experiments. Journal of Physics E: Scientific Instruments, 1989, 22, 421-427.	0.7	30
50	The (e, 2e) reaction in molecules: Momentum space wave function of H2. Physics Letters, Section A: General, Atomic and Solid State Physics, 1973, 44, 531-532.	2.1	29
51	Direct Observation of the Momentun-Density Profile of Excited and Oriented Sodium Atoms. Physical Review Letters, 1990, 64, 1358-1360.	7.8	29
52	Electron-Photon Coincidence Measurements in Electron Scattering from Atomic Hydrogen. Physical Review Letters, 1978, 40, 1262-1266.	7.8	28
53	(e,2e) Spectroscopy of solids with improved energy resolution. Journal of Electron Spectroscopy and Related Phenomena, 1997, 83, 65-76.	1.7	28
54	Absolute cross sections for the ionization-excitation of helium by electron impact. Physical Review A, 2008, 78, .	2.5	28

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55	The differential cross section for elastic scattering of electrons from atomic hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1973, 6, L134-L137.	1.6	27
56	Differential cross section for elastic scattering of electrons from atomic hydrogen: Low energies. Physical Review A, 1974, 9, 2552-2558.	2.5	27
57	Electron-photon angular correlations in the electron impact excitation of argon. Journal of Physics B: Atomic and Molecular Physics, 1975, 8, 1275-1279.	1.6	27
58	Electron momentum spectroscopy of sulphurhexafluoride. Chemical Physics, 1991, 150, 405-427.	1.9	27
59	Satellite structure of the neon valence shell by electron-momentum spectroscopy. Physical Review A, 1993, 48, 4390-4399.	2.5	27
60	Excitation of the n=2 states of He+in the ionization of helium. Journal of Physics B: Atomic and Molecular Physics, 1976, 9, L195-L198.	1.6	26
61	Experimental and theoretical binding energy spectra and momentum distributions for the valence orbitals of H2O. Chemical Physics, 1984, 91, 373-381.	1.9	26
62	The valence orbital momentum distributions and binding energy spectra of silane by electron momentum spectroscopy: Quantitative comparisons using Hartree-Fock limit and correlated wavefunctions. Chemical Physics, 1989, 134, 229-239.	1.9	26
63	Relation between lattice order and energy-resolved momentum densities in carbon films. Physical Review B, 1995, 51, 1866-1873.	3.2	26
64	Momentum distributions for the valence orbitals of hydrogen fluoride. Chemical Physics Letters, 1979, 67, 115-118.	2.6	24
65	Electron momentum distributions and binding energies for the valence orbitals of hydrogen bromide and hydrogen iodide. Journal of Electron Spectroscopy and Related Phenomena, 1982, 27, 83-107.	1.7	24
66	High-resolution electron-momentum spectroscopy of argon: Validation of technique and approximations. Physical Review A, 1999, 59, 1245-1252.	2.5	24
67	Quantitative measurement of the spectral function of aluminum and lithium by electron momentum spectroscopy. Physical Review B, 2002, 66, .	3.2	24
68	Electron scattering by atomic hydrogen. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 4571-4584.	1.6	23
69	Correlation effects and electron momentum distributions in the valence orbitals of ethylene. Journal of Electron Spectroscopy and Related Phenomena, 1978, 14, 267-275.	1.7	22
70	Momentum distributions and ionization potentials for the valence orbitals of benzene. Chemical Physics, 1981, 63, 19-30.	1.9	22
71	Momentum Space Wave Functions and Binding Energies of the Valence Electrons in Methane measured by the (e,2e) Technique. Nature: Physical Science, 1973, 245, 65-68.	0.8	21
72	(e,2e) Spectroscopy of methane. Chemical Physics Letters, 1976, 41, 21-24.	2.6	21

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73	Electron coincidence spectroscopy of sodium and potassium. Journal of Physics B: Atomic and Molecular Physics, 1982, 15, 2531-2538.	1.6	21
74	Valence electron separation energies and momentum distributions for N2O. Journal of Electron Spectroscopy and Related Phenomena, 1982, 27, 1-14.	1.7	21
75	Molecular orbital electron momentum distributions and separation energies of CH3CN. Chemical Physics, 1983, 76, 89-101.	1.9	21
76	Observing the motion of electrons in atoms and molecules. Contemporary Physics, 1983, 24, 163-184.	1.8	21
77	Valence electronic structure of CH3F and CH3Cl: electron momentum distributions and separation energies. Chemical Physics, 1987, 113, 251-263.	1.9	21
78	Orbital momentum distributions and binding energies for the complete valence shell of molecular chlorine by electron momentum spectroscopy. Chemical Physics, 1987, 113, 1-18.	1.9	21
79	The elastic scattering of spin-polarized electrons from xenon. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, 547-561.	1.5	21
80	Invited Article: An improved double-toroidal spectrometer for gas phase (e,2e) studies. Review of Scientific Instruments, 2007, 78, 111301.	1.3	21
81	The electron momentum spectroscopy of lead. Journal of Physics B: Atomic and Molecular Physics, 1986, 19, 4063-4074.	1.6	20
82	Measured energy - momentum densities of the valence band of aluminium. Journal of Physics Condensed Matter, 1997, 9, 1931-1950.	1.8	20
83	Electron correlation effects in the (e, 2e) valence separation energy spectra of krypton. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 3277-3289.	1.6	19
84	Valence electronic structure of CH3Br and CH3I: Electron momentum distributions and separation energies. Chemical Physics, 1985, 93, 21-38.	1.9	19
85	A natural orbital analysis of the helium (e, 2e) spectrum. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, 4149-4157.	1.6	19
86	The elastic scattering of electrons from krypton, neon and xenon. Journal of Physics B: Atomic and Molecular Physics, 1974, 7, 2549-2556.	1.6	18
87	Study of the valence electronic structure of ethyne by electron momentum spectroscopy and Greenâ€™s function methods. Journal of Chemical Physics, 1991, 94, 3468-3478.	3.0	18
88	Electron momentum spectroscopy of the isoelectronic species hydrogen fluoride and neon. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 1655-1668.	1.5	18
89	A study of autoionization phenomena in helium using (e, 2e) spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 3267-3285.	1.5	18
90	Energy-momentum density of graphite by(e,2e)spectroscopy. Physical Review B, 1997, 56, 963-966.	3.2	18

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91	Autoionization in electron - helium collisions: an (e, 2e) investigation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4383-4394.	1.5	18
92	An electron momentum spectroscopy and density functional theory study of the outer valence electronic structure of stella-2,6-dione. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3155-3171.	1.5	18
93	Momentum distributions and separation energies for the valence orbitals of chloromethane. Journal of Electron Spectroscopy and Related Phenomena, 1982, 27, 191-203.	1.7	17
94	Valence electronic structure of polycrystalline SiC as observed by (e,2e) spectroscopy. Physical Review B, 1995, 51, 3449-3457.	3.2	17
95	Comprehensive Experimental and Theoretical Study into the Complete Valence Electronic Structure of Norbornadiene. Journal of Physical Chemistry A, 2002, 106, 9573-9581.	2.5	17
96	Ionisation of atomic hydrogen: angular correlations of the outgoing electrons. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, L623-L627.	1.6	16
97	Electronic structure of amorphous Si measured by (e,2e) spectroscopy. Journal of Physics Condensed Matter, 1995, 7, 279-288.	1.8	16
98	Determination of the energy-momentum densities of aluminium by electron momentum spectroscopy. Journal of Physics Condensed Matter, 1999, 11, 3645-3661.	1.8	16
99	Electron correlation effects in the spectral momentum density of graphite. Physical Review B, 2001, 63, .	3.2	16
100	An experimental and theoretical investigation of the valence orbital momentum distributions and binding energy spectra of nitrogen. Chemical Physics, 1990, 141, 211-224.	1.9	15
101	Electron momentum spectroscopy of molecular core states. Journal of Electron Spectroscopy and Related Phenomena, 1991, 53, 271-283.	1.7	15
102	Electron coincidence spectroscopy of O2: Valence electron momentum distributions and binding energies. Journal of Electron Spectroscopy and Related Phenomena, 1980, 20, 289-303.	1.7	14
103	The valence electronic structure of dimethyl ether â€" complete valence shell binding energy spectra and momentum distributions. Journal of Electron Spectroscopy and Related Phenomena, 1990, 53, 153-175.	1.7	14
104	Preparation of ultrathin free-standing targets for (e,2e) spectroscopy. Review of Scientific Instruments, 1997, 68, 4396-4403.	1.3	14
105	Momentum distributions and molecular property information for trans 1,3 butadiene: An electron momentum spectroscopy and density functional theory investigation. Journal of Chemical Physics, 1998, 108, 1859-1873.	3.0	14
106	A gas-discharge atomic hydrogen source for electron-scattering experiments. Journal of Physics E: Scientific Instruments, 1978, 11, 948-954.	0.7	13
107	Electron momentum spectroscopy studies on ring compounds. I. Benzene. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 3921-3935.	1.5	13
108	Measurement of the spectral momentum distribution of valence electrons in amorphous carbon by (e,2e) spectroscopy. Physical Review B, 1994, 49, 2113-2120.	3.2	13

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109	Anisotropy of the electron momentum density of graphite studied by(Î³,eÎ³)and(e,2e)spectroscopy. Physical Review B, 2001, 63, .	3.2	13
110	Momentum distributions and binding energies for the valence orbitals of methanol. Chemical Physics, 1981, 62, 369-375.	1.9	12
111	Valence electron momentum distributions in cadmium. Journal of Physics B: Atomic and Molecular Physics, 1983, 16, 223-231.	1.6	12
112	Valence electron momentum distributions in zinc. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 895-903.	1.5	12
113	The polychloromethanes - an experimental and theoretical investigation of their valence electronic structure. Chemical Physics, 1989, 135, 317-346.	1.9	12
114	Electronâ€"Atom Scattering. Advances in Atomic, Molecular and Optical Physics, 1990, 27, 165-200.	2.3	12
115	Electron-momentum spectroscopy of the core state of solid carbon. Physical Review B, 1994, 50, 12078-12083.	3.2	12
116	Energy-momentum structure of the krypton valence shell by electron-momentum spectroscopy. Physical Review A, 1996, 53, 4205-4214.	2.5	12
117	Three-dimensional electron momentum densities:A comparison of (Î³,eÎ³) and (e,2e) spectroscopies. Physical Review B, 1997, 55, 5440-5447.	3.2	12
118	Valence-band energy-momentum densities of amorphousSiO2by(e,2e)spectroscopy. Physical Review B, 1998, 57, 4349-4357.	3.2	12
119	Preparation of a 10 nm thick single-crystal silicon membrane self-supporting over a diameter of 1 mm. Applied Surface Science, 2000, 162-163, 359-367.	6.1	12
120	Intensities of the 3s ionisation spectrum of argon. Journal of Physics B: Atomic and Molecular Physics, 1985, 18, L91-L95.	1.6	11
121	Direct imaging of the valence electronic structure of solids by (e,2e) spectroscopy. Solid State Communications, 1995, 95, 25-29.	1.9	11
122	An (e, 2e) study of helium autoionization experiment and theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 725-741.	1.5	11
123	Electronic-structure investigation of oxidized aluminum films with electron-momentum spectroscopy. Physical Review B, 1996, 54, 17943-17953.	3.2	11
124	The spectral momentum density of aluminum measured by electron momentum spectroscopy. Journal of Physics and Chemistry of Solids, 2001, 62, 2215-2221.	4.0	11
125	Surface characterization of diamond-like amorphous carbon foils by (e,2e) spectroscopy and transmission electron energy loss spectroscopy. Journal Physics D: Applied Physics, 1995, 28, 2340-2344.	2.8	10
126	Adsorbate wavefunction mapping by (e, 2e) spectroscopy. Surface Science, 1995, 327, 387-397.	1.9	10

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127	Electron momentum spectroscopy studies on the oxidation of aluminium. Surface Science, 1997, 382, 241-257.	1.9	10
128	Parametrization of a spin-polarized(e,2e)experiment. Physical Review A, 1998, 57, 1881-1891.	2.5	10
129	The determination of the dynamic structures of atoms and molecules using the (e, 2e) reaction. Advances in Physics, 1976, 25, 489-515.	14.4	9
130	Ground-state correlations in magnesium: electron momentum spectroscopy of the valence region. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 4239-4247.	1.5	9
131	Ionisation of atomic hydrogen at intermediate momentum transfer. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 931-938.	1.5	9
132	The spectral momentum density of amorphous carbon. Surface Science, 1991, 251-252, 213-217.	1.9	9
133	Data reduction in multiple-parameter (e,2e) experiments. Canadian Journal of Physics, 1996, 74, 829-836.	1.1	9
134	Spectral momentum density of electrons in copper. Physical Review B, 1998, 57, 6333-6341.	3.2	9
135	Electronic structure of copper studied by electron momentum spectroscopy. Physical Review B, 2004, 70, .	3.2	9
136	Satellite structure of the neon valence shell by electron momentum spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, L481-L485.	1.5	8
137	Electron momentum spectroscopy of [1.1.1]propellane. Chemical Physics Letters, 1995, 244, 433-439.	2.6	8
138	Electron-momentum spectroscopy of crystal silicon. Physical Review B, 1998, 57, 12882-12889.	3.2	8
139	Dichroism in the electron-impact ionization of excited and oriented sodium atoms. Physical Review A, 2000, 62, .	2.5	8
140	Orbital momentum distribution and binding energies for the complete valence shell of molecular bromine. Chemical Physics, 1988, 119, 253-264.	1.9	7
141	Electronâ€”Atom Ionization. Advances in Atomic, Molecular and Optical Physics, 1990, 27, 201-244.	2.3	7
142	Electron momentum spectroscopy of solid surfaces. Contemporary Physics, 1994, 35, 377-384.	1.8	7
143	Electron momentum distributions and ionization energy spectra of boron trifluoride. Chemical Physics, 1994, 184, 13-27.	1.9	7
144	Energy-resolved momentum density of amorphous germanium and the effect of hydrogen adsorption by (e,2e) spectroscopy. Surface Science, 1995, 334, 276-288.	1.9	7

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145	Quantitative electron momentum spectroscopy of aluminum films. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 247-253.	1.7	7
146	The Spectral Momentum Density of Aluminium, Copper and Gold Measured by Electron Momentum Spectroscopy. Zeitschrift Fur Physikalische Chemie, 2001, 215, .	2.8	7
147	Electron spectroscopy using two-dimensional electron detection and a camera in a single electron counting mode. Review of Scientific Instruments, 2009, 80, 063302.	1.3	7
148	A new electron coincidence spectrometer with position sensitive detectors. Journal of Electron Spectroscopy and Related Phenomena, 1979, 15, 237-240.	1.7	6
149	Orbital momentum distributions and binding energies for the complete valence shell of molecular iodine. Chemical Physics, 1988, 124, 121-130.	1.9	6
150	Recent developments in electron momentum spectros-copy of atoms and molecules. Journal of Electron Spectroscopy and Related Phenomena, 1990, 51, 629-651.	1.7	6
151	Investigation of the complete valence shell of formic acid by electron momentum spectroscopy and Green's function methods. Journal of Electron Spectroscopy and Related Phenomena, 1990, 53, 51-78.	1.7	6
152	Study of the valence electronic structure of the diene class of compounds by electron momentum spectroscopy and Green function methods. I. 1,2-propadiene. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 2075-2087.	1.5	6
153	Electron momentum spectroscopy of cyclopropane. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 4309-4324.	1.5	6
154	The nature of the background in transmission (e,2e) experiments. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 103-108.	1.7	6
155	The direct measurement of spectral momentum densities of silicon with high energy spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 95-104.	1.7	6
156	Electron momentum spectroscopy of methylamine. Chemical Physics, 1994, 182, 361-373.	1.9	5
157	The electronic structure of different forms of solid carbon studied by electron momentum spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1998, 87, 231-251.	1.7	5
158	Probing the spectral densities over the full three-dimensional momentum space. Journal of Physics and Chemistry of Solids, 2004, 65, 2035-2039.	4.0	5
159	Absence of interchannel coupling in electron momentum spectroscopy. Physical Review A, 1998, 58, 2815-2818.	2.5	4
160	Influence of electron diffraction on measured energy-resolved momentum densities in single-crystalline silicon. Journal of Physics and Chemistry of Solids, 2003, 64, 2507-2515.	4.0	4
161	Measurement of the electronic structure of crystalline silicon by electron momentum spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 629-632.	1.7	4
162	(e, 2e) Experiments on atomic hydrogen: Comparison with the distorted and plane wave impulse approximations. Journal of Electron Spectroscopy and Related Phenomena, 1979, 15, 253-256.	1.7	3

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163	Electron momentum spectroscopy of ethylene oxide. Chemical Physics Letters, 1995, 233, 214-219.	2.6	3
164	Dangling-bond surface states on an amorphous germanium surface as observed by (e,2e) spectroscopy. Surface Science, 1996, 357-358, 427-431.	1.9	3
165	Dichroism in (e,2e) ionizing collisions with laser-oriented sodium atoms. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 59-64.	1.7	3
166	Momentum profiles of aluminum. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 1031-1036.	1.7	3
167	Electron momentum spectroscopy of the outervalence 3Ïƒ and 1Ï€ states of hydrogen fluoride: a reanalysis. Chemical Physics Letters, 1996, 255, 105-111.	2.6	2
168	Electron impact ionisation of atomic hydrogen: experimental and theoretical (e, 2e) differential cross sections. Journal of Physics B: Atomic and Molecular Physics, 1979, 12, 1450-1450.	1.6	0
169	A high-performance, cost-effective circuit for CCD pulse processing. Measurement Science and Technology, 1995, 6, 125-127.	2.6	0
170	(e,2e) momentum spectroscopy of thin films. AIP Conference Proceedings, 1996, , .	0.4	0
171	Spin effects in (e,2e) collisions. AIP Conference Proceedings, 1996, , .	0.4	0
172	Electron-momentum spectroscopy of solids by the. , 1997, , .		0
173	(e,2e) collisions with polarized electrons and excited, oriented and spin polarized targets. AIP Conference Proceedings, 2002, , .	0.4	0
174	Ionization of Atoms with Spin Polarized Electrons. AIP Conference Proceedings, 2006, , .	0.4	0
175	Multiple Scattering Approach to the (e, 2e) Reaction on Atomic Hydrogen. Lecture Notes in Quantum Chemistry II, 1984, , 254-258.	0.3	0
176	Electron-Momentum Spectroscopy of Solids by the (e,2e) Reaction. , 1997, , 249-259.		0