Daniel M Neumark

List of Publications by Year
in descending order

487 papers	22,927 citations	7069 78 h-index	16127 124 g-index
507 all docs	507 docs citations	507 times ranked	9621 citing authors

#	Article	IF	Citations
1	Femtosecond Time-Resolved Photoelectron Spectroscopy. Chemical Reviews, 2004, 104, 1719-1758.	23.0	613
2	Molecular beam studies of the F+H2 reaction. Journal of Chemical Physics, 1985, 82, 3045-3066.	1.2	415
3	Attosecond band-gap dynamics in silicon. Science, 2014, 346, 1348-1352.	6.0	415
4	Gas-Phase Infrared Spectrum of the Protonated Water Dimer. Science, 2003, 299, 1375-1377.	6.0	387
5	Observation of Large Water-Cluster Anions with Surface-Bound Excess Electrons. Science, 2005, 307, 93-96.	6.0	373
6	Vibrationally resolved spectra of C2â€“C11 by anion photoelectron spectroscopy. Journal of Chemical Physics, 1991, 95, 8753-8764.	1.2	302
7	Anion spectroscopy of uracil, thymine and the amino-oxo and amino-hydroxy tautomers of cytosine and their water clusters. Chemical Physics, 1998, 239, 511-524.	0.9	289
8	Photoelectron spectroscopy of CNâ¯, NCOâ¯, and NCSâ¯. Journal of Chemical Physics, 1993, 98, 800-810.	1.2	261
9	Laser photodetachment measurement of the electron affinity of atomic oxygen. Physical Review A, 1985, 32, 1890-1892.	1.0	256
10	The Transition State of the F + H2 Reaction. Science, 1993, 262, 1852-1855.	6.0	256
11	Hydrated Electron Dynamics: From Clusters to Bulk. Science, 2004, 306, 669-671.	6.0	246
12	Molecular beam studies of the F+D2 and F+HD reactions. Journal of Chemical Physics, 1985, 82, 3067-3077.	1.2	230
13	Electron Solvation in Finite Systems: Femtosecond Dynamics of IodideÂ·(Water)n Anion Clusters. Science, 1999, 284, 635-638.	6.0	218
14	Slow Electron Velocity-Map Imaging of Negative Ions: Applications to Spectroscopy and Dynamics. Journal of Physical Chemistry A, 2008, 112, 13287-13301.	1.1	215
15	The ultrafast X-ray spectroscopic revolution in chemical dynamics. Nature Reviews Chemistry, 2018, 2, 82-94.	13.8	215
16	Infrared Spectroscopy of the Microhydrated Nitrate Ions NO₃^{â¯}(H₂O)_{1â¯6}. Journal of Physical Chemistry A, 2009, 113, 7584-7592.	1.1	209
17	Transition-state spectroscopy via negative ion photodetachment. Accounts of Chemical Research, 1993, 26, 33-40.	7.6	199
18	Single attosecond pulse generation in the multicycle-driver regime by adding a weak second-harmonic field. Optics Letters, 2006, 31, 975.	1.7	198

#	Article	IF	Citations
19	Shapes and vorticities of superfluid helium nanodroplets. Science, 2014, 345, 906-909.	6.0	197
20	TIME-RESOLVEDPHOTOELECTRONSPECTROSCOPY OFMOLECULES ANDCLUSTERS. Annual Review of Physical Chemistry, 2001, 52, 255-277.	4.8	190
21	High resolution photodetachment spectroscopy of negative ions via slow photoelectron imaging. Journal of Chemical Physics, 2004, 121, 6317-6322.	1.2	188
22	Probing the transition state with negative ion photodetachment: the chlorine atom + hydrogen chloride and bromine atom + hydrogen bromide reactions. The Journal of Physical Chemistry, 1990, 94, 1377-1388.	2.9	184
23	Examination of the2Aâ€™2and2Eâ€˜ states of NO3by ultraviolet photoelectron spectroscopy of NOâ˜3. Journal of Chemical Physics, 1991, 94, 1740-1751.	1.2	171
24	Real-Time Probing of Electron Dynamics Using Attosecond Time-Resolved Spectroscopy. Annual Review of Physical Chemistry, 2016, 67, 41-63.	4.8	168
25	Photoelectron spectroscopy and zero electron kinetic energy spectroscopy of germanium cluster anions. Journal of Chemical Physics, 1996, 104, 2757-2764.	1.2	161
26	Infrared Spectroscopy of Hydrated Bicarbonate Anion Clusters: HCO₃^{â˜}(H₂O)_{1â˜10}. Journal of the American Chemical Society, 2010, 132, 849-856.	6.6	146
27	Study of Si4 and Si4â˜ using threshold photodetachment (ZEKE) spectroscopy. Journal of Chemical Physics, 1993, 99, 3353-3362.	1.2	140
28	Heterodyne Mixing of Laser Fields for Temporal Gating of High-Order Harmonic Generation. Physical Review Letters, 2006, 97, 163901.	2.9	139
29	Dynamics of Solvated Electrons in Clusters. Chemical Reviews, 2012, 112, 5553-5577.	23.0	138
30	Vibrationally resolved photoelectron spectroscopy of silicon cluster anions Sinâ˜ (n=3â€“7). Journal of Chemical Physics, 1998, 108, 1395-1406.	1.2	137
31	Photodissociation of I2(Ar)n Clusters Studied with Anion Femtosecond Photoelectron Spectroscopy. Science, 1997, 276, 1675-1678.	6.0	134
32	Photodissociation dynamics of the N3radical. Journal of Chemical Physics, 1993, 99, 2616-2631.	1.2	133
33	Methylene singletâ€“triplet energy splitting by molecular beam photodissociation of ketene. Journal of Chemical Physics, 1982, 76, 3607-3613.	1.2	132
34	Photoelectron spectroscopy of hydrated electrons. Chemical Physics Letters, 2010, 493, 216-219.	1.2	129
35	Transition State Spectroscopy of Bimolecular Chemical Reactions. Annual Review of Physical Chemistry, 1992, 43, 153-176.	4.8	128
36	Study of the ArBrâ˜, ArIâ˜, and KrIâ˜ anions and the corresponding neutral van der Waals complexes by anion zero electron kinetic energy spectroscopy. Journal of Chemical Physics, 1994, 101, 6538-6551.	1.2	125

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37	Study of halogenâ€“carbon dioxide clusters and the fluoroformyloxyl radical by photodetachment of Xâ¯(CO2) (X=I,Cl,Br) and FCOâ¯2. Journal of Chemical Physics, 1995, 102, 3493-3509.	1.2	125
38	Transient absorption spectroscopy using high harmonic generation: a review of ultrafast X-ray dynamics in molecules and solids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170463.	1.6	125
39	Study of the lowâ€lying electronic states of Si2 and Siâ¯2 using negative ion photodetachment techniques. Journal of Chemical Physics, 1991, 95, 1441-1448.	1.2	123
40	Study of the transition state region in the Cl+HCl reaction by photoelectron spectroscopy of ClHClâ¯. Journal of Chemical Physics, 1988, 88, 1463-1465.	1.2	121
41	Study of lowâ€lying electronic states of ozone by anion photoelectron spectroscopy of Oâ¯3. Journal of Chemical Physics, 1994, 101, 912-922.	1.2	121
42	Study of HCO2and DCO2by negative ion photoelectron spectroscopy. Journal of Chemical Physics, 1995, 103, 7801-7814.	1.2	119
43	Manyâ€body effects in weakly bound anion and neutral clusters: Zero electron kinetic energy spectroscopy and threshold photodetachment spectroscopy of ArnBrâ¯(n=2â€“9) and Arnlâ¯(n=2â€“19). Journal of Chemical Physics, 1996, 105, 351-373.	1.2	119
44	Autodetachment spectroscopy and dynamics of CH2CNâ¯ and CD2CNâ¯. Journal of Chemical Physics, 1987, 87, 6842-6853.	1.2	117
45	Direct and simultaneous observation of ultrafast electron and hole dynamics in germanium. Nature Communications, 2017, 8, 15734.	5.8	117
46	Infrared spectrum and autodetachment dynamics of NHâ¯. Journal of Chemical Physics, 1985, 83, 4364-4373.	1.2	115
47	Experimental and theoretical studies of the F+H2transition state region via photoelectron spectroscopy of FHâ¯2. Journal of Chemical Physics, 1993, 99, 6345-6359.	1.2	114
48	Threshold photodetachment spectroscopy of the iodine atom + hydrogen iodide transition-state region. The Journal of Physical Chemistry, 1990, 94, 2240-2242.	2.9	113
49	Infrared spectroscopy of hydrated sulfate dianions. Journal of Chemical Physics, 2006, 125, 111102.	1.2	112
50	Light-induced states in attosecond transient absorption spectra of laser-dressed helium. Physical Review A, 2012, 86, .	1.0	112
51	Tracking the insulator-to-metal phase transition in VO ₂ with few-femtosecond extreme UV transient absorption spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9558-9563.	3.3	112
52	Spectroscopy of the iodine atom + hydrogen iodide transition-state region by photodetachment of IHI-. The Journal of Physical Chemistry, 1988, 92, 5558-5560.	2.9	111
53	Electronic Relaxation Dynamics of Water Cluster Anions. Journal of the American Chemical Society, 2005, 127, 15283-15295.	6.6	111
54	Relaxation Mechanism of the Hydrated Electron. Science, 2013, 342, 1496-1499.	6.0	109

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55	Vibrationally resolved photoelectron spectra of Siâ¯3 and Siâ¯4. Journal of Chemical Physics, 1990, 93, 6108-6110.	1.2	107
56	Fast beam photodissociation spectroscopy and dynamics of the vinoxy radical. Journal of Chemical Physics, 1997, 106, 3049-3066.	1.2	104
57	Photodissociation Dynamics. The Journal of Physical Chemistry, 1996, 100, 12801-12816.	2.9	103
58	Probing the transition state with negative ion photodetachment: experiment and theory. Physical Chemistry Chemical Physics, 2005, 7, 433.	1.3	103
59	Photoelectron spectroscopy of C4â¯, C6â¯, and C8â¯. Journal of Chemical Physics, 1997, 107, 3428-3436.	1.2	102
60	Characterization of the I2â¯ anion ground state using conventional and femtosecond photoelectron spectroscopy. Journal of Chemical Physics, 1997, 107, 7613-7619.	1.2	102
61	Slow photoelectron velocity-map imaging spectroscopy of cold negative ions. Journal of Chemical Physics, 2012, 137, 244201.	1.2	102
62	Photoelectron spectra of the C2nHâ¯ (n=1â€“4) and C2nDâ¯ (n=1â€“3) anions. Journal of Chemical Physics, 1998, 108, 10018-10026.	1.2	101
63	Vibrational Spectroscopy of Microhydrated Conjugate Base Anions. Accounts of Chemical Research, 2012, 45, 43-52.	7.6	100
64	Threshold photodetachment zeroâ€electron kinetic energy spectroscopy of Siâ¯3. Journal of Chemical Physics, 1994, 100, 1797-1804.	1.2	98
65	Determination of absolute photoionization cross sections for vinyl and propargyl radicals. Journal of Chemical Physics, 2003, 119, 5311-5314.	1.2	98
66	Spectroscopic observation of resonances in the F + H ₂ reaction. Science, 2015, 349, 510-513.	6.0	98
67	Direct mapping of curve-crossing dynamics in IBr by attosecond transient absorption spectroscopy. Science, 2019, 365, 79-83.	6.0	98
68	Time-resolved photoelectron imaging of the photodissociation of I2â¯. Journal of Chemical Physics, 2003, 118, 999-1002.	1.2	93
69	Isolated attosecond pulses from ionization gating of high-harmonic emission. Chemical Physics, 2009, 366, 9-14.	0.9	93
70	Study of Iâ¯(CO2)n, Brâ¯(CO2)n, and Iâ¯(N2O)n clusters by anion photoelectron spectroscopy. Journal of Chemical Physics, 1995, 102, 3510-3518.	1.2	92
71	High resolution threshold photodetachment spectroscopy of negative ions. Chemical Physics Letters, 1989, 159, 300-306.	1.2	91
72	Experimental Investigation of Resonances in Reactive Scattering: The F +H2Reaction. Physical Review Letters, 1984, 53, 226-229.	2.9	90

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73	Spectroscopy and electron detachment dynamics of Câ¯'4, Câ¯'6, and Câ¯'8. Journal of Chemical Physics, 1996, 105, 4905-4919.	1.2	90
74	Photodissociation dynamics of the I2â¯' anion using femtosecond photoelectron spectroscopy. Chemical Physics Letters, 1996, 258, 523-529.	1.2	89
75	Infrared Spectroscopy of Hydrated Bisulfate Anion Clusters: HSO₄Â¯(H₂O)_{1â€"16}. Journal of Physical Chemistry Letters, 2011, 2, 2135-2140.	2.1	87
76	Evolution of electronic structure as a function of size in gallium phosphide semiconductor clusters. Chemical Physics Letters, 1998, 297, 133-140.	1.2	85
77	Femtosecond photoelectron spectroscopy of the I2â¯' anion: A semiclassical molecular dynamics simulation method. Journal of Chemical Physics, 1999, 110, 3736-3747.	1.2	84
78	Probing ultrafast dynamics with attosecond transient absorption. Chemical Physics Letters, 2015, 624, 119-130.	1.2	84
79	Autodetachment study of the electronic spectroscopy of FeOâ¯'. Journal of Chemical Physics, 1987, 86, 1858-1867.	1.2	79
80	Determination of absolute photoionization cross sections for isomers of C3H5: allyl and 2-propenyl radicals. Chemical Physics Letters, 2004, 383, 601-605.	1.2	79
81	Atomic-Scale Perspective of Ultrafast Charge Transfer at a Dyeâ€"Semiconductor Interface. Journal of Physical Chemistry Letters, 2014, 5, 2753-2759.	2.1	79
82	Anion Photoelectron Spectroscopy of Aluminum Phosphide Clusters. Journal of Physical Chemistry A, 2001, 105, 6886-6893.	1.1	78
83	Isolated attosecond pulses using a detuned second-harmonic field. Optics Letters, 2007, 32, 3134.	1.7	78
84	Spectroscopy and dynamics of excess electrons in clusters. Molecular Physics, 2008, 106, 2183-2197.	0.8	75
85	Dynamics of Electron Solvation in Molecular Clusters. Accounts of Chemical Research, 2009, 42, 769-777.	7.6	75
86	Anion photoelectron spectroscopy of B2Nâ¯'. Journal of Chemical Physics, 1999, 111, 8838-8851.	1.2	74
87	Vibrational spectroscopy of hydrated electron clusters(H2O)15â€"50â¯' via infrared multiple photon dissociation. Journal of Chemical Physics, 2007, 126, 191105.	1.2	74
88	Nonadiabatic Interactions in the Cl + H ₂ Reaction Probed by ClH ₂ ⁻ and ClD ₂ ⁻ Photoelectron Imaging. Science, 2008, 319, 72-75.	6.0	74
89	Study of C6â¯' and C6 with threshold photodetachment spectroscopy and autodetachment spectroscopy. Journal of Chemical Physics, 1992, 97, 6121-6135.	1.2	73
90	Photodissociation spectroscopy and dynamics of the N2Oâ¯'2anion. Journal of Chemical Physics, 1996, 104, 5026-5039.	1.2	73

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91	Anion photoelectron spectroscopy of small indium phosphide clusters (InxPâ^'y; x,y=1â€“4). Journal of Chemical Physics, 1994, 101, 5406-5409.	1.2	72
92	Transition state spectroscopy of the OH + H2 .fwdarw. H2O + H reaction via photodetachment of H3O- and D3O-. The Journal of Physical Chemistry, 1995, 99, 13627-13636.	2.9	72
93	Nonstatistical unimolecular dissociation over a barrier. Journal of Chemical Physics, 1998, 108, 2448-2457.	1.2	72
94	Examination of the Br+HI, Cl+HI, and F+HI hydrogen abstraction reactions by photoelectron spectroscopy of BrHIâ^', ClHIâ^', and FHIâ^'. Journal of Chemical Physics, 1990, 92, 7205-7222.	1.2	71
95	Negative-ion photodetachment as a probe of bimolecular transition states: the F + H2 reaction. Faraday Discussions of the Chemical Society, 1991, 91, 5.	2.2	71
96	Spectroscopy of the transition state: hydrogen abstraction reactions of fluorine. The Journal of Physical Chemistry, 1991, 95, 8066-8078.	2.9	71
97	Time-resolved spectroscopy of attosecond quantum dynamics. Chemical Physics Letters, 2008, 463, 11-24.	1.2	70
98	Feshbach resonances in the exit channel of the Fâ€‰+â€‰CH3OHâ€‰â†'â€‰HFâ€‰+â€‰CH3O reaction observed using transition-state spectroscopy. Nature Chemistry, 2017, 9, 950-955.	6.6	70
99	Photoelectron Imaging of Helium Droplets. Physical Review Letters, 2003, 91, 043401.	2.9	68
100	Disentangling conical intersection and coherent molecular dynamics in methyl bromide with attosecond transient absorption spectroscopy. Nature Communications, 2019, 10, 3133.	5.8	68
101	Fast beam studies of N3 photodissociation. Chemical Physics Letters, 1991, 182, 406-411.	1.2	67
102	Study of the predissociation of CH3OA(2A1) by fast beam photofragment translational spectroscopy. Chemical Physics Letters, 1995, 235, 484-489.	1.2	67
103	Generating coherent broadband continuum soft-x-ray radiation by attosecond ionization gating. Optics Express, 2007, 15, 17120.	1.7	67
104	Fast beam studies of NCO free radical photodissociation. Journal of Chemical Physics, 1992, 97, 4937-4947.	1.2	66
105	Photodissociation spectroscopy and dynamics of the HCCO free radical. Journal of Chemical Physics, 1997, 106, 10087-10098.	1.2	66
106	Resonances in the Entrance Channel of the Elementary Chemical Reaction of Fluorine and Methane. Angewandte Chemie - International Edition, 2014, 53, 1122-1126.	7.2	66
107	Study of the lowâ€lying states of Ge2 and Geâ^'2 using negative ion zero electron kinetic energy spectroscopy. Journal of Chemical Physics, 1995, 102, 6982-6989.	1.2	65
108	Reassignment of the Siâ^'2 photodetachment spectra. Journal of Chemical Physics, 1993, 99, 766-768.	1.2	64

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109	Photoelectron spectroscopy of GaX2â¯, Ga2Xâ¯, Ga2X2â¯, and Ga2X3â¯(X=P,As). Journal of Chemical Physics, 2001, 115, 4620-4631.	1.2	64
110	Photofragment Translational Spectroscopy of 1,3-Butadiene and 1,3-Butadiene-1,1,4,4-d4at 193 nm. Journal of the American Chemical Society, 2002, 124, 10211-10224.	6.6	63
111	Spectroscopy of the transition state: Elementary reactions of the hydroxyl radical studied by photoelectron spectroscopy of Oâ¯(H2O) and H3Oâ¯2. Journal of Chemical Physics, 1995, 102, 6088-6099.	1.2	61
112	Femtosecond photoelectron spectroscopy of the I2â¯ anion: Characterization of the Ãƒâ€²â€Š2Îg,1/2 excited state. Journal of Chemical Physics, 1999, 110, 3748-3755.	1.2	61
113	Adiabatic threeâ€dimensional simulations of the IHIâ¯, BrHIâ¯, and BrHBrâ¯photoelectron spectra. Journal of Chemical Physics, 1992, 97, 962-977.	1.2	60
114	Slow Photoelectron Velocity-Map Imaging of Cryogenically Cooled Anions. Annual Review of Physical Chemistry, 2018, 69, 101-124.	4.8	60
115	Investigation of the F+H2 transition state region via photoelectron spectroscopy of the FHâ¯2 anion. Journal of Chemical Physics, 1990, 93, 5352-5353.	1.2	59
116	Zero electron kinetic energy spectroscopy of the ArClâ¯ anion. Journal of Chemical Physics, 1999, 110, 9578-9586.	1.2	59
117	Photodissociation spectroscopy and dynamics of CH3O and CD3O. Journal of Physical Chemistry A, 1997, 101, 6583-6592.	1.1	58
118	Predissociation dynamics of the O2 Bâ€‰3Î£â¯u state: Vibrational state dependence of the product fineâ€structure distribution. Journal of Chemical Physics, 1995, 103, 2495-2508.	1.2	57
119	Discrimination of product isomers in the photodissociation of propyne and allene at 193 nm. Journal of Chemical Physics, 1999, 110, 4363-4368.	1.2	57
120	Slow photoelectron velocity-map imaging spectroscopy of the phenoxide and thiophenoxide anions. Physical Chemistry Chemical Physics, 2011, 13, 17378.	1.3	57
121	Threshold photodetachment spectroscopy of Câ¯5. Journal of Chemical Physics, 1991, 95, 5479-5481.	1.2	56
122	Photoelectron spectroscopy of large (water)nâ¯ (n=50â€“200) clusters at 4.7eV. Journal of Chemical Physics, 2006, 125, 076101.	1.2	56
123	Probing the Dynamics of Rydberg and Valence States of Molecular Nitrogen with Attosecond Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2016, 120, 3165-3174.	1.1	56
124	Generating high-contrast, near single-cycle waveforms with third-order dispersion compensation. Optics Letters, 2017, 42, 811.	1.7	56
125	Zero electron kinetic energy spectroscopy of the KrBrâ¯, XeBrâ¯, and KrClâ¯ anions. Journal of Chemical Physics, 1998, 109, 5247-5256.	1.2	55
126	Photoionization Dynamics in Pure Helium Dropletsâ€. Journal of Physical Chemistry A, 2007, 111, 7449-7459.	1.1	55

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127	Vibrational Spectroscopy of Bisulfate/Sulfuric Acid/Water Clusters: Structure, Stability, and Infrared Multiple-Photon Dissociation Intensities. Journal of Physical Chemistry A, 2013, 117, 7081-7090.	1.1	55
128	Encoding of vinylidene isomerization in its anion photoelectron spectrum. Science, 2017, 358, 336-339.	6.0	55
129	Observation of the Ã1A′(2B2) and C̃1A′(2A2) states of NO2 by negative ion photoelectron spectroscopy of NOâ¯2. Journal of Chemical Physics, 1989, 90, 2070-2071.	1.2	54
130	Study of the IÂ·CO2van der Waals complex by threshold photodetachment spectroscopy of Iâ€“CO2. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1449-1456.	1.7	54
131	Attosecond transient absorption probing of electronic superpositions of bound states in neon: detection of quantum beats. New Journal of Physics, 2014, 16, 113016.	1.2	54
132	High-spectral-resolution attosecond absorption spectroscopy of autoionization in xenon. Physical Review A, 2014, 89, .	1.0	54
133	Electronic structure of indium phosphide clusters: anion photoelectron spectroscopy of InxPxâ¯ and Inx+1Pxâ¯ (x=1â€“13) clusters. Chemical Physics Letters, 1999, 308, 347-354.	1.2	53
134	Probing chemical dynamics with negative ions. Journal of Chemical Physics, 2006, 125, 132303.	1.2	53
135	Anion photoelectron spectroscopy of iodineâ€“carbon dioxide clusters. Journal of Chemical Physics, 1992, 97, 9468-9471.	1.2	52
136	Dynamics of Charge-Transfer-to-Solvent Precursor States in I-(water)n(n= 3â¯10) Clusters Studied with Photoelectron Imagingâ€. Journal of Physical Chemistry A, 2005, 109, 11475-11483.	1.1	52
137	Transition State Spectroscopy of Bimolecular Reactions Using Negative Ion Photodetachment. Advances in Chemical Physics, 2007, , 1-61.	0.3	52
138	Photodissociation of gas phase I3â¯ using femtosecond photoelectron spectroscopy. Journal of Chemical Physics, 1999, 111, 2991-3003.	1.2	51
139	Vibrational spectroscopy of (SO42â¯)â™(H2O)n clusters, n=1â€“5: Harmonic and anharmonic calculations and experiment. Journal of Chemical Physics, 2007, 127, 094305.	1.2	51
140	Time-Resolved Radiation Chemistry: Photoelectron Imaging of Transient Negative Ions of Nucleobases. Journal of the American Chemical Society, 2013, 135, 2128-2131.	6.6	50
141	Noncollinear wave mixing of attosecond XUV and few-cycle optical laser pulses in gas-phase atoms: Toward multidimensional spectroscopy involving XUV excitations. Physical Review A, 2016, 94, .	1.0	50
142	Ultraviolet photodissociation of the HCCO radical studied by fast radical beam photofragment translational spectroscopy. Journal of Chemical Physics, 1996, 105, 6078-6081.	1.2	49
143	Excited-state detachment dynamics and rotational coherences of C2â¯ via time-resolved photoelectron imaging. Chemical Physics Letters, 2003, 376, 767-775.	1.2	49
144	Vibronic Structure of the Formyloxyl Radical (HCO₂) via Slow Photoelectron Velocity-Map Imaging Spectroscopy and Model Hamiltonian Calculations. Journal of Physical Chemistry A, 2010, 114, 1374-1383.	1.1	49

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145	Probing a strong hydrogen bond with infrared spectroscopy: Vibrational predissociation of BrHBrâ^'â‹…Ar. Journal of Chemical Physics, 2003, 118, 5275-5278.	1.2	48
146	Circular phase mask for control and stabilization of single optical filaments. Optics Letters, 2006, 31, 2326.	1.7	48
147	Ionization phase-match gating for wavelength-tunable isolated attosecond pulse generation. Applied Physics B: Lasers and Optics, 2008, 93, 433-442.	1.1	48
148	Photoelectron Imaging of Helium Droplets Doped with Xe and Kr Atoms. Journal of Physical Chemistry A, 2008, 112, 9356-9365.	1.1	48
149	Time-resolved study of the symmetric SN2-reaction Iâ^'+CH3I. Journal of Chemical Physics, 2003, 119, 10032-10039.	1.2	47
150	An ab Initio/RRKM Study of Product Branching Ratios in the Photodissociation of Buta-1,2- and -1,3-dienes and But-2-yne at 193 nm. Chemistry - A European Journal, 2003, 9, 726-740.	1.7	45
151	Isomer-specific vibronic structure of the 9-, 1-, and 2-anthracenyl radicals via slow photoelectron velocity-map imaging. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1698-1705.	3.3	44
152	Photodissociation of triplet and singlet states of the CCO radical. Journal of Chemical Physics, 1998, 108, 4070-4078.	1.2	43
153	Slow electron velocity-map imaging photoelectron spectra of the methoxide anion. Journal of Chemical Physics, 2006, 125, 014306.	1.2	43
154	Photoionization of helium nanodroplets doped with rare gas atoms. Journal of Chemical Physics, 2006, 124, 214301.	1.2	43
155	Time-resolved radiation chemistry: femtosecond photoelectron spectroscopy of electron attachment and photodissociation dynamics in iodideâ€“nucleobase clusters. Physical Chemistry Chemical Physics, 2019, 21, 7239-7255.	1.3	43
156	Experimental and theoretical study of the O+HCl transition state region by photodetachment of OHClâ^'. Journal of Chemical Physics, 1994, 101, 4708-4721.	1.2	42
157	Rotationally resolved spectrum of the Câ€‰2Îuâ†Xâ€‰2Îg electronic transition of Câ^'4 via resonant twoâ€photon detachment spectroscopy. Journal of Chemical Physics, 1996, 105, 2575-2582.	1.2	42
158	Time-resolved relaxation dynamics of Hgnâ^'â€Š(11â©½nâ©½16,n=18) clusters following intraband excitation at 1.5 eV. Journal of Chemical Physics, 2004, 121, 10015-10025.	1.2	42
159	Average Sequential Water Molecule Binding Enthalpies of M(H₂O)_{19â^'124}²⁺ (M = Co, Fe, Mn, and Cu) Measured with Ultraviolet Photodissociation at 193 and 248 nm. Journal of Physical Chemistry A, 2011, 115, 2-12.	1.1	42
160	Ultrafast electronic dynamics in helium nanodroplets. International Reviews in Physical Chemistry, 2015, 34, 239-267.	0.9	42
161	Ultrafast carrier thermalization and trapping in silicon-germanium alloy probed by extreme ultraviolet transient absorption spectroscopy. Structural Dynamics, 2017, 4, 044029.	0.9	42
162	Study of In₂P/In₂P^{â^'} and InP₂/InP₂^{â^'} using negative ion zero electron kinetic energy spectroscopy. Canadian Journal of Physics, 1994, 72, 1322-1335.	0.4	41

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163	Photodissociation spectroscopy and dynamics of the methylthio radical (CH3S). Journal of Chemical Physics, 1999, 110, 805-816.	1.2	41
164	Photoelectron spectroscopy of ClH2â^' and ClD2â^': A probe of the Cl+H2 van der Waals well and spinâ€“orbit excited states. Journal of Chemical Physics, 2002, 117, 8181-8184.	1.2	41
165	Comment on "Characterization of Excess Electrons in Water-Cluster Anions by Quantum Simulations". Science, 2005, 310, 1769b-1769b.	6.0	41
166	Comparison of the filamentation and the hollow-core fiber characteristics for pulse compression into the few-cycle regime. Applied Physics B: Lasers and Optics, 2007, 86, 561-566.	1.1	41
167	Slow photoelectron velocity-map imaging spectroscopy of C2Nâ^', C4Nâ^', and C6Nâ^'. Journal of Chemical Physics, 2009, 130, 064304.	1.2	41
168	Structural Isomers of Ti₂O₄ and Zr₂O₄ Anions Identified by Slow Photoelectron Velocity-Map Imaging Spectroscopy. Journal of the American Chemical Society, 2014, 136, 7159-7168.	6.6	41
169	Anion photoelectron spectroscopy of BNâ^'. Chemical Physics Letters, 1998, 295, 75-81.	1.2	40
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