List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	FEMTOSECOND TIME-RESOLVED PHOTOELECTRON IMAGING. Annual Review of Physical Chemistry, 2006, 57, 555-592.	10.8	257
2	Generation of sub-two-cycle mid-infrared pulses by four-wave mixing through filamentation in air. Optics Letters, 2007, 32, 3330.	3.3	215
3	Direct measurement of vertical binding energy of a hydrated electron. Physical Chemistry Chemical Physics, 2010, 12, 3653.	2.8	152
4	Generation of 12 fs deep-ultraviolet pulses by four-wave mixing through filamentation in neon gas. Optics Letters, 2007, 32, 2481.	3.3	144
5	Nonadiabatic dynamics within the time dependent density functional theory: Ultrafast photodynamics in pyrazine. Chemical Physics, 2008, 349, 319-324.	1.9	137
6	Fully State-Resolved Differential Cross Sections for the Inelastic Scattering of the Open-Shell NO Molecule by Ar. Science, 2001, 294, 832-834.	12.6	108
7	Probing Ultrafast Internal Conversion through Conical Intersection via Time-Energy Map of Photoelectron Angular Anisotropy. Journal of the American Chemical Society, 2009, 131, 10392-10393.	13.7	108
8	Photoelectron Imaging on Time-Dependent Molecular Alignment Created by a Femtosecond Laser Pulse. Physical Review Letters, 2001, 86, 4500-4503.	7.8	100
9	Genuine binding energy of the hydrated electron. Science Advances, 2017, 3, e1603224.	10.3	99
10	Vibrational distribution of CH3produced by the reaction of O(1D2) atom with CH4. Journal of Chemical Physics, 1993, 98, 2387-2398.	3.0	95
11	Effective attenuation length of an electron in liquid water between 10 and 600 eV. Physical Review E, 2014, 90, 010302.	2.1	92
12	Photoelectron spectroscopy of aqueous solutions: Streaming potentials of NaX (X = Cl, Br, and I) solutions and electron binding energies of liquid water and Xâ^'. Journal of Chemical Physics, 2014, 140, 174506.	3.0	90
13	High-resolution soft X-ray photoelectron spectroscopy of liquid water. Physical Chemistry Chemical Physics, 2011, 13, 413-417.	2.8	85
14	Time-resolved photoelectron imaging of ultrafast S2→S1 internal conversion through conical intersection in pyrazine. Journal of Chemical Physics, 2010, 132, 174302.	3.0	84
15	Non-adiabatic effects in chemistry revealed by time-resolved charged-particle imaging. International Reviews in Physical Chemistry, 2001, 20, 313-356.	2.3	83
16	Femtosecond time-resolved photoelectron imaging. Faraday Discussions, 1999, 113, 37-46.	3.2	77
17	Time-resolved photoelectron spectroscopy of non-adiabatic electronic dynamics in gas and liquid phases. International Reviews in Physical Chemistry, 2012, 31, 265-318.	2.3	76
18	Femtosecond time-resolved photoelectron imaging on ultrafast electronic dephasing in an isolated molecule. Journal of Chemical Physics, 1999, 111, 4859-4861.	3.0	75

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19	Ultrafast photodynamics of furan. Journal of Chemical Physics, 2010, 133, 234303.	3.0	69
20	Time-resolved photoelectron imaging spectra from non-adiabatic molecular dynamics simulations. Journal of Chemical Physics, 2013, 139, 134104.	3.0	59
21	Direct Observation of Ground-State Product Formation in a 1,3-Cyclohexadiene Ring-Opening Reaction. Journal of Physical Chemistry Letters, 2015, 6, 343-346.	4.6	56
22	A crossed molecular beam apparatus using high-resolution ion imaging. Review of Scientific Instruments, 1999, 70, 3265-3270.	1.3	52
23	Ultraviolet photochemical reaction of [Fe(III)(C2O4)3]3â^' in aqueous solutions studied by femtosecond time-resolved X-ray absorption spectroscopy using an X-ray free electron laser. Structural Dynamics, 2015, 2, 034901.	2.3	52
24	Time-resolved photoelectron imaging of S2 → S1 internal conversion inÂbenzene and toluene. Journal of Chemical Physics, 2011, 134, 184313.	3.0	51
25	Time-resolved photoelectron spectroscopy of bulk liquids at ultra-low kinetic energy. Chemical Physics Letters, 2010, 494, 111-116.	2.6	50
26	Time- and Angle-Resolved Photoemission Spectroscopy of Hydrated Electrons Near a Liquid Water Surface. Physical Review Letters, 2014, 112, 187603.	7.8	49
27	Wavelength Dependence of UV Photoemission from Solvated Electrons in Bulk Water, Methanol, and Ethanol. Journal of Physical Chemistry A, 2016, 120, 1153-1159.	2.5	49
28	Femtosecond photoelectron imaging on pyrazine: Spectroscopy of 3s and 3p Rydberg states. Journal of Chemical Physics, 2001, 115, 8810-8818.	3.0	47
29	He I Ultraviolet Photoelectron Spectroscopy of Benzene and Pyridine in Supersonic Molecular Beams Using Photoelectron Imaging. Journal of Physical Chemistry A, 2011, 115, 2953-2965.	2.5	47
30	Binding energy of solvated electrons and retrieval of true UV photoelectron spectra of liquids. Science Advances, 2019, 5, eaaw6896.	10.3	47
31	Femtosecond Photoelectron Imaging on Pyridine: Ultrafast Electronic Dephasing from theS1(nπ*) State and Rydberg State Energetics. Journal of Physical Chemistry A, 2003, 107, 10897-10903.	2.5	46
32	Photoelectron spectra of solvated electrons in bulk water, methanol, and ethanol. Chemical Physics Letters, 2012, 535, 12-16.	2.6	46
33	Experimental and theoretical investigation of a multicolor filament. Physical Review A, 2009, 80, .	2.5	44
34	Simultaneous generation of sub-20 fs deep and vacuum ultraviolet pulses in a single filamentation cell and application to time-resolved photoelectron imaging. Optics Express, 2013, 21, 22423.	3.4	38
35	3s Rydberg and Cationic States of Pyrazine Studied by Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 2293-2310.	2.5	37
36	Full observation of ultrafast cascaded radiationless transitions from S2(ππâ^—) state of pyrazine using vacuum ultraviolet photoelectron imaging. Journal of Chemical Physics, 2016, 145, 044306.	3.0	37

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37	Isotope effect on ultrafast charge-transfer-to-solvent reaction from lâ^ to water in aqueous Nal solution. Chemical Science, 2011, 2, 1094.	7.4	35
38	Resolving Nonadiabatic Dynamics of Hydrated Electrons Using Ultrafast Photoemission Anisotropy. Physical Review Letters, 2016, 116, 137601.	7.8	33
39	Femtosecond Photoelectron Imaging on Pyrazine:  S1 → T1 Intersystem Crossing and Rotational Coherence Transfer. Journal of Physical Chemistry A, 2004, 108, 6823-6835.	2.5	32
40	Molecular Frame Image Restoration and Partial Wave Analysis of Photoionization Dynamics of NO by Time-Energy Mapping of Photoelectron Angular Distribution. Physical Review Letters, 2010, 104, 073002.	7.8	31
41	Observation of the wavepacket dynamics on the 1 <i>B</i> 2(1Σu+) state of CS2 by sub-20 fs photoelectron imaging using 159 nm probe pulses. Journal of Chemical Physics, 2015, 142, 074308.	3.0	30
42	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. Nature Communications, 2020, 11, 4145.	12.8	29
43	Multihit two-dimensional charged-particle imaging system with real-time image processing at 1000 frames/s. Review of Scientific Instruments, 2009, 80, 013706.	1.3	28
44	Direct Measurement of Vertical Electron Binding Energies of Solvated Electrons in Methanol and Ethanol. Chemistry Letters, 2010, 39, 668-670.	1.3	28
45	Ultrafast photoelectron spectroscopy of aqueous solutions. Journal of Chemical Physics, 2019, 151, 090901.	3.0	28
46	Probing ultrafast dynamics during and after passing through conical intersections. Physical Chemistry Chemical Physics, 2019, 21, 13902-13905.	2.8	28
47	Femtosecond photoelectron imaging of pyridazine: S1 lifetime and (3s(nâ^'1),3p(nâ^'1)) Rydberg state energetics. Journal of Chemical Physics, 2003, 119, 300-303.	3.0	26
48	Femtosecond Photoelectron Imaging on Pyrazine: (1+2â€~) REMPI of Deuterated Pyrazine. Journal of Physical Chemistry A, 2004, 108, 5764-5769.	2.5	26
49	A Crossed Molecular Beam Imaging Study of the O(1D2)+HCl→OH+Cl(2PJ=3/2, 1/2) Reaction. ChemPhysChem, 2006, 7, 1250-1257.	2.1	26
50	Generation of sub-17  fs vacuum ultraviolet pulses at 133  nm using cascaded four-wave mixing filamentation in Ne. Optics Letters, 2014, 39, 6021.	; through	26
51	Photoelectron Angular Distribution in Valence Shell Ionization of Heteroaromatic Molecules Studied by the Continuum Multiple Scattering Xα Method. Journal of Physical Chemistry A, 2008, 112, 402-411.	2.5	25
52	Generation of intense single-order harmonic pulse in the vacuum ultraviolet region using a deep ultraviolet driving laser. Optics Letters, 2012, 37, 2118.	3.3	25
53	Time-resolved photoelectron imaging using a femtosecond UV laser and a VUV free-electron laser. Physical Review A, 2010, 81, .	2.5	24
54	Photoelectron kinetic energy dependence in near threshold ionization of NO from A state studied by time-resolved photoelectron imaging. Journal of Chemical Physics, 2004, 121, 8846-8853.	3.0	23

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55	Angle-resolved photoemission spectroscopy of liquid water at 29.5 eV. Structural Dynamics, 2017, 4, 044014.	2.3	23
56	Collision Energy Dependence of the O(1D) + HCl → OH + Cl(2P) Reaction Studied by Crossed Beam Scattering and Quasiclassical Trajectory Calculations on Ab Initio Potential Energy Surfaces. Journal of Physical Chemistry A, 2008, 112, 818-825.	2.5	22
57	Super-Resolution Photoelectron Imaging with Real-Time Subpixelation by Field Programmable Gate Array and Its Application to NO and Benzene Photoionization. Journal of Physical Chemistry A, 2009, 113, 14536-14544.	2.5	22
58	Charge-transfer-to-solvent reactions from lâ^' to water, methanol, and ethanol studied by time-resolved photoelectron spectroscopy of liquids. Journal of Chemical Physics, 2016, 145, 074502.	3.0	22
59	Excited-state dynamics of furan studied by sub-20-fs time-resolved photoelectron imaging using 159-nm pulses. Journal of Chemical Physics, 2015, 143, 014302.	3.0	21
60	Determination of ionization dynamical parameters by time-resolved photoelectron imaging. Molecular Physics, 2007, 105, 1675-1693.	1.7	20
61	Ultrafast Ring-Opening Reaction of 1,3-Cyclohexadiene: Identification of Nonadiabatic Pathway via Doubly Excited State. Journal of the American Chemical Society, 2021, 143, 8034-8045.	13.7	20
62	Spectral phase transfer to ultrashort UV pulses through four-wave mixing. Optics Express, 2010, 18, 16183.	3.4	19
63	Excitedâ€State Dynamics of CS ₂ Studied by Photoelectron Imaging with a Time Resolution of 22â€fs. Chemistry - an Asian Journal, 2011, 6, 3028-3034.	3.3	19
64	Ultrafast Internal Conversion and Solvation of Electrons in Water, Methanol, and Ethanol. Journal of Physical Chemistry Letters, 2019, 10, 4499-4504.	4.6	19
65	Ultrafast electronic dynamics in polyatomic molecules studied using femtosecond vacuum ultraviolet and x-ray pulses. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124001.	1.5	18
66	Ultrafast photodynamics of pyrazine in the vacuum ultraviolet region studied by time-resolved photoelectron imaging using 7.8-eV pulses. Journal of Chemical Physics, 2016, 145, 044307.	3.0	18
67	Ultrafast Dynamics of Water Radiolysis: Hydrated Electron Formation, Solvation, Recombination, and Scavenging. Journal of Physical Chemistry Letters, 2020, 11, 5510-5516.	4.6	18
68	Reaction mechanism duality in O(1D2) + CD4→ OD + CD3 identified from scattering distributions of rotationally state selected CD3. Physical Chemistry Chemical Physics, 2008, 10, 7222.	2.8	17
69	Effect of electron correlation and shape resonance on photoionization from the S1 and S2 states of pyrazine. Journal of Chemical Physics, 2012, 137, 194314.	3.0	16
70	Real-time detection of S(1 <i>D</i> 2) photofragments produced from the 1 <i>B</i> 2(1Σu+) state of CS2 by vacuum ultraviolet photoelectron imaging using 133 nm probe pulses. Journal of Chemical Physics, 2017, 147, 013932.	3.0	16
71	Rovibrational state specific scattering distributions of the O(1D) + CD4→ OD + CD3 (v1, v2, N) reaction. Physical Chemistry Chemical Physics, 2011, 13, 8371.	2.8	14
72	Surface potential of liquid microjet investigated using extreme ultraviolet photoelectron spectroscopy. Journal of Chemical Physics, 2020, 152, 144503.	3.0	14

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73	Unravelling the Electronic State of NO ₂ Product in Ultrafast Photodissociation of Nitromethane. Journal of Physical Chemistry Letters, 2018, 9, 270-273.	4.6	13
74	Ultrafast dissociation processes in the NO dimer studied with time-resolved photoelectron imaging. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 193-205.	1.7	12
75	Time-resolved photoelectron spectroscopy of polyatomic molecules using 42-nm vacuum ultraviolet laser based on high harmonics generation. Chemical Physics Letters, 2017, 684, 397-401.	2.6	12
76	Design and characterization of a magnetic bottle electron spectrometer for time-resolved extreme UV and X-ray photoemission spectroscopy of liquid microjets. Structural Dynamics, 2021, 8, 034303.	2.3	12
77	Photoelectron Imaging Spectroscopy of S ₁ (¹ B _{2u} ï€,ï€*) Benzene via 6 ¹ 1 ^{<i>n</i>} (<i>n</i> = 0â^3) Levels. Journal of Physical Chemistry A, 2011, 115, 2096-2102.	2.5	11
78	Solvated electron formation from the conduction band of liquid methanol: Transformation from a shallow to deep trap state. Journal of Chemical Physics, 2019, 151, 114503.	3.0	11
79	Valence Photoelectron Spectra of Liquid Methanol and Ethanol Measured Using He II Radiation. Journal of Physical Chemistry A, 2021, 125, 2492-2503.	2.5	11
80	Ultrafast Extreme Ultraviolet Photoelectron Spectroscopy of Nonadiabatic Photodissociation of CS ₂ from ¹ B ₂ (¹ Σ _u ⁺) State: Product Formation via an Intermediate Electronic State. Journal of Physical Chemistry Letters, 2021, 12, 3755-3761	4.6	11
81	Simultaneous generation of ultrashort pulses at 158 and 198Ânm in a single filamentation cell by cascaded four-wave mixing in Ar. Applied Physics B: Lasers and Optics, 2012, 108, 815-819.	2.2	10
82	Two-color deep-ultraviolet 40-fs pulses based on parametric amplification at 100 kHz. Optics Express, 2011, 19, 22637.	3.4	9
83	Unexpectedly broad photoelectron spectrum as a signature of ultrafast electronic relaxation of Rydberg states of carbon dioxide. Physical Review A, 2017, 95, .	2.5	9
84	Extreme ultraviolet time-resolved photoelectron spectroscopy of aqueous aniline solution: enhanced surface concentration and pump-induced space charge effect. Molecular Physics, 2021, 119, e1748240.	1.7	9
85	Shallow and deep trap states of solvated electrons in methanol and their formation, electronic excitation, and relaxation dynamics. Chemical Science, 2022, 13, 3837-3844.	7.4	9
86	Vacuum Ultraviolet and Soft Xâ€ray Photoelectron Spectroscopy of Liquid Beams Using a Hemispherical Photoelectron Spectrometer with a Multistage Differential Pumping System. Journal of the Chinese Chemical Society, 2013, 60, 1403-1410.	1.4	8
87	UV-Driven Harmonic Generation for Time-Resolved Photoelectron Spectroscopy of Polyatomic Molecules. Applied Sciences (Switzerland), 2018, 8, 1784.	2.5	8
88	Charge-Transfer-to-Solvent Reaction in a Hydrophobic Tetrabutylammonium Iodide Molecular Layer in Aqueous Solution. Journal of Physical Chemistry B, 2019, 123, 3769-3775.	2.6	8
89	Ultrafast Internal Conversion of Aromatic Molecules Studied by Photoelectron Spectroscopy using Sub-20 fs Laser Pulses. Molecules, 2014, 19, 2410-2433.	3.8	7
90	Photoisomerization of Vibrationally Hot Tetramethylethylene Produced by Ultrafast Internal Conversion from the Excited State. Journal of Physical Chemistry A, 2016, 120, 5099-5102.	2.5	6

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91	Ultrafast Photoisomerization of Ethylene Studied Using Time-Resolved Extreme Ultraviolet Photoelectron Spectroscopy. Journal of Physical Chemistry A, 2022, 126, 3873-3879.	2.5	6
92	TIME-RESOLVED PHOTOELECTRON SPECTROSCOPY AND IMAGING. Advanced Series in Physical Chemistry, 2004, , 529-578.	1.5	5
93	Methyl substitution effects on the non-adiabatic dynamics of benzene: lifting three-state quasi-degeneracy at conical intersections. Physical Chemistry Chemical Physics, 2020, 22, 2814-2818.	2.8	5
94	Exploration of Gas–Liquid Interfaces for Liquid Water and Methanol Using Extreme Ultraviolet Laser Photoemission Spectroscopy. Journal of Physical Chemistry B, 2021, 125, 10514-10526.	2.6	5
95	Linear and circular dichroism in photoelectron angular distributions caused by electron correlation. Physical Review A, 2015, 91, .	2.5	4
96	On the Relation between the Interfacial Charge of a Discharging Nozzle and Electrification of a Liquid Microjet. Chemistry Letters, 2018, 47, 16-19.	1.3	4
97	Time-Resolved Photoelectron Imaging of Acetone with 9.3 eV Photoexcitation. Journal of Physical Chemistry A, 2019, 123, 6848-6853.	2.5	4
98	Femtosecond Timeâ€Resolved Photoelectron Imaging Study of Photoinduced Molecular Dynamics. Journal of the Chinese Chemical Society, 2006, 53, 113-122.	1.4	3
99	Spiers Memorial Lecture: Introduction to ultrafast spectroscopy and imaging of photochemical reactions. Faraday Discussions, 2021, 228, 11-38.	3.2	3
100	Visualization of chemical reaction dynamics: Toward understanding complex polyatomic reactions. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2013, 89, 1-15.	3.8	2
101	Nonadiabatic Electronic Dynamics in Isolated Molecules and in Solution Studied by Ultrafast Time–Energy Mapping of Photoelectron Distributions. Bulletin of the Chemical Society of Japan, 2014, 87, 341-354.	3.2	2
102	Femtosecond X-ray spectroscopy of haem proteins. Faraday Discussions, 2021, 228, 312-328.	3.2	2
103	Non-adiabatic Dynamics of Molecules Studied Using Vacuum-Ultraviolet Ultrafast Photoelectron Spectroscopy. , 2019, , 287-306.		1
104	Ultrafast Photoelectron Imaging Using Tunable UV and Vacuum UV Pulses. Chemistry Letters, 2015, 44, 791-793.	1.3	0
105	Non-Adiabatic Chemical Dynamics Studied by Ultrafast Photoelectron Imaging Spectroscopy. The Review of Laser Engineering, 2012, 40, 739.	0.0	0
106	Initial Phase in Quantum Beat Created via Ultrafast Internal Conversion of Pyrazine. , 2014, , .		0
107	Initial Phase Shifts in the Quantum Beat Resulting from the Ultrafast Internal Conversion of Pyrazine. Springer Proceedings in Physics, 2015, , 172-175.	0.2	0