Cheuk-Yiu Ng

List of Publications by Year in Descending Order

262 papers	7,576 citations	42 h-index	65 g-index
273 ext. papers	7,840 ext. citations	4 avg, IF	5.68 L-index

#	Paper	IF	Citations
262	Chemical activation of oxygen molecule by quantum electronic state selected vanadium cation: observation of spin□rbit state effects. *Molecular Physics*, **2021**, 119, e1767309	1.7	3
261	Quantum electronic control on chemical activation of methane by collision with spin-orbit state selected vanadium cation. *Physical Chemistry Chemical Physics*, **2021**, 23, 273-286	3.6	6
260	What is the Bond Dissociation Energy of the Vanadium Hydride Cation?. *Journal of Physical Chemistry A*, **2020**, 124, 5306-5313	2.8	4
259	Chemical Activation of Water Molecule by Collision with Spin-Orbit-State-Selected Vanadium Cation: Quantum-Electronic-State Control of Chemical Reactivity. *Journal of Physical Chemistry A*, **2020**, 124, 8884-8896	2.8	5
258	Photodissociation branching ratios of 12C16O from 108000 cm□ to 113200 cm-1 measured by two-color VUV-VUV laser pump-probe time-slice velocity-map ion imaging method: Observation of channels for producing O(1D)□*Chinese Journal of Chemical Physics*, **2020**, 33, 91-100	0.9	9
257	Branching Ratios of the N(D) and N(D) Spin-Orbit States Produced in the State-Selected Photodissociation of N Determined Using Time-Sliced Velocity-Mapped-Imaging Photoionization Mass Spectrometry (TS-VMI-PI-MS). *Journal of Physical Chemistry A*, **2019**, 123, 2289-2300	2.8	10
256	Quantum state-to-state vacuum ultraviolet photodissociation dynamics of small molecules□ *Chinese Journal of Chemical Physics*, **2019**, 32, 23-34	0.9	16
255	Quantum Spin-Orbit Electronic State Selection of Atomic Transition Metal Vanadium Cation for Chemical Reactivity Studies. *Journal of Physical Chemistry A*, **2019**, 123, 2310-2319	2.8	8
254	Quantum state control on the chemical reactivity of a transition metal vanadium cation in carbon dioxide activation. *Physical Chemistry Chemical Physics*, **2019**, 21, 6868-6877	3.6	10
253	High-Level Ab Initio Predictions for the Ionization Energy, Bond Dissociation Energies, and Heats of Formation of Vanadium Methylidyne Radical and Its Cation (VCH/VCH). *Journal of Physical Chemistry A*, **2019**, 123, 7454-7462	2.8	2
252	Chemical Activation of a Deuterium Molecule by Collision with a Quantum Electronic State-Selected Vanadium Cation. *Journal of Physical Chemistry A*, **2019**, 123, 5937-5944	2.8	5
251	Ab Initio Study of Ground-state CS Photodissociation via Highly Excited Electronic States. *Astrophysical Journal*, **2019**, 882, 86	4.7	3
250	High-level ab initio predictions for the ionisation energy, bond dissociation energies and heats of formation of zirconium oxide and its cation (ZrO/ZrO+). *Molecular Physics*, **2018**, 116, 2709-2718	1.7	4
249	Quantum-vibrational-state-selected Integral Cross Sections and Product Branching Ratios for the Ion-molecule Reactions of N2 +(X 2□g +; v + = 0□) + H2O and H2O+(X 2 B 1: v 1 + v 2 + v 3 + = 000 and 100) + N2 in the Collision Energy Range of 0.04□0.00 eV. *Astrophysical Journal*, **2018**, 861, 17	4.7	7
248	Quantum-State-Selected Integral Cross Sections and Branching Ratios for the Ion-Molecule Reaction of N(X□□= 0-2) + CH in the Collision Energy Range of 0.05-10.00 eV. *Journal of Physical Chemistry A*, **2018**, 122, 6491-6499	2.8	7
247	Branching Ratio Measurements of the Predissociation of CO by Time-Slice Velocity-Map Ion Imaging in the Energy Region from 106 250 to 107 800 cm. *Journal of Physical Chemistry A*, **2018**, 122, 8136-8142	2.8	14
246	Two-Color Pulsed-Field Ionization-Photoelectron Spectroscopy: A Quest to Benchmark State-of-the-Art ab initio Quantum Electronic Structure Calculations of Spectroscopic and Energetic Properties for Transition Metal-Containing Species **2018**, 195-249		5

245	Isotopic and quantum-rovibrational-state effects for the ion-molecule reaction in the collision energy range of 0.03-10.00 eV. *Physical Chemistry Chemical Physics*, **2017**, 19, 8694-8705	3.6	10
244	High-Level ab Initio Predictions for the Ionization Energies, Bond Dissociation Energies, and Heats of Formation of Titanium Oxides and Their Cations (TiO/TiO, n = 1 and 2). *Journal of Physical Chemistry A*, **2017**, 121, 669-679	2.8	15
243	A quantum-rovibrational-state-selected study of the reaction in the collision energy range of 0.05-10.00 eV: translational, rotational, and vibrational energy effects. *Physical Chemistry Chemical Physics*, **2017**, 19, 9778-9789	3.6	11
242	A vacuum ultraviolet laser pulsed field ionization-photoion study of methane (CH): determination of the appearance energy of methylium from methane with unprecedented precision and the resulting impact on the bond dissociation energies of CH and CH. *Physical Chemistry Chemical Physics*, **2017**, 19, 9592-9605	3.6	14
241	A quantum-rovibrational-state-selected study of the proton-transfer reaction H(X v = 1-3; N = 0-3) + Ne -> NeH + H using the pulsed field ionization-photoion method: observation of the rotational effect near the reaction threshold. *Physical Chemistry Chemical Physics*, **2017**, 19, 18619-18627	3.6	8
240	Quantum-state-selected integral cross sections for the charge transfer collision of O(a v = 1-2; J) [O(X v = 22-23; J)] + Ar at center-of-mass collision energies of 0.05-10.00 eV. *Physical Chemistry Chemical Physics*, **2017**, 19, 29057-29067	3.6	9
239	Branching Ratios in Vacuum Ultraviolet Photodissociation of CO and N2: Implications for Oxygen and Nitrogen Isotopic Compositions of the Solar Nebula. *Astrophysical Journal*, **2017**, 850, 48	4.7	16
238	Rotationally Resolved State-to-State Photoelectron Study of Molybdenum Monoxide Cation (MoO(+)). *Journal of Physical Chemistry A*, **2016**, 120, 4643-54	2.8	12
237	QUANTUM-STATE DEPENDENCE OF PRODUCT BRANCHING RATIOS IN VACUUM ULTRAVIOLET PHOTODISSOCIATION OF N2. *Astrophysical Journal*, **2016**, 819, 23	4.7	18
236	High-Resolution Threshold Photoelectron Spectroscopy by Vacuum Ultraviolet Laser Velocity-Map-Imaging Method *Chinese Journal of Chemical Physics*, **2016**, 29, 59-69	0.9	
235	ABSOLUTE INTEGRAL CROSS SECTIONS FOR THE STATE-SELECTED ION MOLECULE REACTION ${{{rm{N}}}_{2}}^{+}({X}^{2}{{{rm{Sigma }}}_{{rm{g}}}}^{+}$;v+= 02) + C2H2IN THE COLLISION ENERGY RANGE OF 0.03 0.00 eV. *Astrophysical Journal*, **2016**, 827, 17	4.7	10
234	A HIGH-RESOLUTION VACUUM ULTRAVIOLET LASER PHOTOIONIZATION AND PHOTOELECTRON STUDY OF THE CO ATOM. *Astrophysical Journal*, **2016**, 833, 205	4.7	2
233	Comparison of experimental and theoretical quantum-state-selected integral cross-sections for the H2O(+) + H2 (D2) reactions in the collision energy range of 0.04-10.00 eV. *Physical Chemistry Chemical Physics*, **2016**, 18, 22509-15	3.6	22
232	State-to-state vacuum ultraviolet photodissociation study of CO2 on the formation of state-correlated CO(X(1) (+); v) with O((1)D) and O((1)S) photoproducts at 11.95-12.22 eV. *Physical Chemistry Chemical Physics*, **2015**, 17, 11752-62	3.6	14
231	Rotationally resolved state-to-state photoelectron study of zirconium monoxide cation (ZrO+). *Molecular Physics*, **2015**, 113, 2228-2242	1.7	10
230	VACUUM ULTRAVIOLET LASER PHOTOION AND PULSED FIELD IONIZATION PHOTOION STUDY OF RYDBERG SERIES OF CHLORINE ATOMS PREPARED IN THE ${}^{2}{{rm{P}}}_{J}$ (J= 3/2 and 1/2) FINE-STRUCTURE STATES. *Astrophysical Journal*, **2015**, 810, 132	4.7	3
229	Rotationally Selected and Resolved State-to-State Photoelectron Study of Vanadium Monoxide Cation VO(+)(X(3) (-); v(+) = 0-3). *Journal of Physical Chemistry A*, **2015**, 119, 11162-9	2.8	11
228	Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC(+)). *Physical Chemistry Chemical Physics*, **2015**, 17, 9780-93	3.6	14

227	State-to-state spectroscopy and dynamics of ions and neutrals by photoionization and photoelectron methods. *Annual Review of Physical Chemistry*, **2014**, 65, 197-224	15.7	30
226	Photodissociation of CO2 between 13.540 eV and 13.678 eV. *Physical Chemistry Chemical Physics*, **2014**, 16, 563-9	3.6	18
225	Photochemistry. Evidence for direct molecular oxygen production in CO photodissociation. *Science*, **2014**, 346, 61-4	33.3	78
224	Communication: direct measurements of nascent O((3)P0,1,2) fine-structure distributions and branching ratios of correlated spin-orbit resolved product channels CO((3) v) + O((3)P0,1,2) and CO(X (1) ; v) + O((3)P0,1,2) in VUV photodissociation of CO2. *Journal of Chemical Physics*, **2014**, 140, 231101	3.9	13
223	Rotationally resolved state-to-state photoionization and photoelectron study of titanium carbide and its cation (TiC/TiC+). *Journal of Chemical Physics*, **2014**, 141, 144307	3.9	15
222	Rotationally resolved state-to-state photoelectron study of niobium carbide radical. *Journal of Chemical Physics*, **2014**, 141, 024304	3.9	12
221	Communication: the origin of rotational enhancement effect for the reaction of H2O(+) + H2 (D2). *Journal of Chemical Physics*, **2014**, 140, 011102	3.9	38
220	Communication: State-to-state photoionization and photoelectron study of vanadium methylidyne radical (VCH). *Journal of Chemical Physics*, **2014**, 140, 181101	3.9	8
219	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of cobalt carbide (CoC) and its cation (CoC+). *Journal of Chemical Physics*, **2013**, 138, 094302	3.9	22
218	State-to-state Photoionization Dynamics of Vanadium Nitride by Two-color Laser Photoionization and Photoelectron Methods. *Chinese Journal of Chemical Physics*, **2013**, 26, 669-678	0.9	16
217	Branching ratio measurements for vacuum ultraviolet photodissociation of 12C16O. *Journal of Physical Chemistry A*, **2013**, 117, 6185-95	2.8	25
216	Communication: A vibrational study of titanium dioxide cation using the vacuum ultraviolet laser pulsed field ionization-photoelectron method. *Journal of Chemical Physics*, **2013**, 138, 041101	3.9	11
215	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of titanium monoxide cation. *Journal of Chemical Physics*, **2013**, 138, 174309	3.9	16
214	Communication: State-to-state photodissociation study by the two-color VUV-VUV laser pump-probe time-slice velocity-map-imaging-photoion method. *Journal of Chemical Physics*, **2013**, 138, 191102	3.9	25
213	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of cobalt carbide cation. *Journal of Chemical Physics*, **2013**, 138, 094301	3.9	18
212	ABSOLUTE INTEGRAL CROSS SECTIONS AND PRODUCT BRANCHING RATIOS FOR THE VIBRATIONALLY SELECTED ION-MOLECULE REACTIONS: N$_{2}^{+}$(X2 _{rm g}^{+}$;v+= 0-2) + CH4. *Astrophysical Journal*, **2013**, 769, 72	4.7	17
211	The translational, rotational, and vibrational energy effects on the chemical reactivity of water cation H2O+(X 2B1) in the collision with deuterium molecule D2. *Journal of Chemical Physics*, **2013**, 139, 024203	3.9	32
210	Time-slice velocity-map ion imaging studies of the photodissociation of NO in the vacuum ultraviolet region. *Journal of Chemical Physics*, **2012**, 136, 134302	3.9	10

209	A HIGH-RESOLUTION PHOTOIONIZATION AND PHOTOELECTRON STUDY OF58Ni USING A VACUUM ULTRAVIOLET LASER. *Astrophysical Journal*, **2012**, 747, 20	4.7	8
208	Communication: Rovibrationally selected absolute total cross sections for the reaction H2O(+)(X2B1; v1(+)v2(+)v3(+) = 000; N+(Ka+Kc+)) + D2: observation of the rotational enhancement effect. *Journal of Chemical Physics*, **2012**, 137, 241101	3.9	42
207	Branching ratio measurements of the predissociation of 12C16O by time-slice velocity-map ion imaging in the energy region from 108,000 to 110,500 cm(-1). *Journal of Chemical Physics*, **2012**, 137, 034305	3.9	22
206	Rovibrationally selected ion-molecule collision study using the molecular beam vacuum ultraviolet laser pulsed field ionization-photoion method: charge transfer reaction of N2(+)(X 2Σg+; v+ = 0-2; N+ = 0-9) + Ar. *Journal of Chemical Physics*, **2012**, 137, 104202	3.9	29
205	Communication: A vibrational study of propargyl cation using the vacuum ultraviolet laser velocity-map imaging photoelectron method. *Journal of Chemical Physics*, **2012**, 137, 161101	3.9	8
204	High-resolution threshold photoelectron study of the propargyl radical by the vacuum ultraviolet laser velocity-map imaging method. *Journal of Chemical Physics*, **2011**, 135, 224304	3.9	21
203	Communication: branching ratio measurements in the predissociation of 12C16O by time-slice velocity-map ion imaging in the vacuum ultraviolet region. *Journal of Chemical Physics*, **2011**, 135, 221101	3.9	24
202	Note: Accurate ab initio predictions of ionization energies of propargyl and allyl radicals: revisited. *Journal of Chemical Physics*, **2011**, 135, 246101	3.9	7
201	A vacuum-ultraviolet laser pulsed field ionization-photoelectron study of sulfur monoxide (SO) and its cation (SO+). *Journal of Chemical Physics*, **2011**, 134, 144304	3.9	12
200	Communication: rovibrationally selected study of the N2+(X; v+=1, N+= 0-8) + Ar charge transfer reaction using the vacuum ultraviolet laser pulsed field ionization-photoion method. *Journal of Chemical Physics*, **2011**, 134, 201105	3.9	24
199	Communication: vacuum ultraviolet laser photodissociation studies of small molecules by the vacuum ultraviolet laser photoionization time-sliced velocity-mapped ion imaging method. *Journal of Chemical Physics*, **2011**, 135, 071101	3.9	28
198	Time-sliced velocity-mapped imaging studies of the predissociation of single ro-vibronic energy levels of N2 in the extreme ultraviolet region using vacuum ultraviolet photoionization. *Journal of Chemical Physics*, **2011**, 135, 134319	3.9	16
197	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formation of nickel carbide (NiC) and its cation (NiC+). *Journal of Chemical Physics*, **2010**, 133, 114304	3.9	22
196	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. *Journal of Chemical Physics*, **2010**, 133, 054310	3.9	20
195	High-level ab initio predictions for the ionization energy, bond dissociation energies, and heats of formations of iron carbide (FeC) and its cation (FeC+). *Journal of Physical Chemistry A*, **2009**, 113, 14321-8	2.8	30
194	Comment on "Experimental test of self-shielding in vacuum ultraviolet photodissociation of CO". *Science*, **2009**, 324, 1516; author reply 1516	33.3	12
193	A HIGH-RESOLUTION PHOTOIONIZATION STUDY OF56Fe USING A VACUUM ULTRAVIOLET LASER. *Astrophysical Journal*, **2009**, 693, 940-945	4.7	12
192	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of the iron carbide cation. *Journal of Physical Chemistry A*, **2009**, 113, 4242-8	2.8	34

191	Spectroscopy and Dynamics of Neutrals and Ions by High-Resolution Infrared Vacuum Ultraviolet Photoionization and Photoelectron Methods **2009**, 659-691		8
190	Infrared vacuum-ultraviolet laser pulsed field ionization-photoelectron study of CH3Br+ (X(2)E(3/2)). *Journal of Physical Chemistry A*, **2008**, 112, 9277-82	2.8	17
189	3s Rydberg and cationic States of pyrazine studied by photoelectron spectroscopy. *Journal of Physical Chemistry A*, **2008**, 112, 2293-310	2.8	35
188	Infrared-vacuum ultraviolet pulsed field ionization-photoelectron study of C2H4(+) using a high-resolution infrared laser. *Journal of Physical Chemistry A*, **2008**, 112, 2572-8	2.8	8
187	A vacuum ultraviolet laser photoionization and pulsed field ionization study of nascent S(3P2,1,0) and S(1D2) formed in the 193.3 nm photodissociation of CS2. *Journal of Chemical Physics*, **2008**, 128, 014305	3.9	18
186	Rovibrationally selected and resolved pulsed field ionization-photoelectron study of propyne: ionization energy and spin-orbit interaction in propyne cation. *Journal of Chemical Physics*, **2008**, 128, 094311	3.9	21
185	Infrared-vacuum ultraviolet-pulsed field ionization-photoelectron study of CH(3)I(+) using a high-resolution infrared laser. *Journal of Chemical Physics*, **2008**, 128, 104306	3.9	17
184	Vacuum ultraviolet pulsed field ionization-photoelectron and infrared-photoinduced Rydberg ionization study of trans-1,3-butadiene. *Journal of Chemical Physics*, **2008**, 129, 114305	3.9	4
183	High-resolution Rydberg tagging time-of-flight measurements of atomic photofragments by single-photon vacuum ultraviolet laser excitation. *Review of Scientific Instruments*, **2008**, 79, 123106	1.7	18
182	Vacuum ultraviolet excitation spectroscopy of the autoionizing Rydberg states of atomic sulfur in the 73 350-84 950 cm(-1) frequency range. *Journal of Chemical Physics*, **2008**, 128, 084303	3.9	8
181	Proton Energy Loss Spectroscopy as a State-to-State Probe of Molecular Dynamics. *Advances in Chemical Physics*, **2007**, 553-647		27
180	Diabatic Potential Energy Surfaces for Charge-Transfer Processes. *Advances in Chemical Physics*, **2007**, 73-134		58
179	Ultraviolet Photodissociation Studies of Organosulfur Molecules and Radicals: Energetics, Structure Identification, and Internal State Distribution. *Advances in Photochemistry*, **2007**, 1-116		3
178	State-Selected and State-to-State Ion-Molecular Reaction Dynamics by Photoionization and Differential Reactivity Methods. *Advances in Chemical Physics*, **2007**, 401-500		21
177	Rotationally resolved vacuum ultraviolet pulsed field ionization-photoelectron vibrational bands for HD+(X 2Sigmag+,v+=0-20). *Journal of Chemical Physics*, **2007**, 126, 164303	3.9	5
176	Combined vacuum ultraviolet laser and synchrotron pulsed field ionization study of CH2BrCl. *Journal of Chemical Physics*, **2007**, 126, 184304	3.9	9
175	Vacuum ultraviolet laser pulsed field ionization-photoelectron study of allyl radical CH2CHCH2. *Journal of Chemical Physics*, **2007**, 126, 171101	3.9	23
174	An experimental and quasiclassical trajectory study of the rovibrationally state-selected reactions: HD+(v=0-15,j=1)+He-->HeH+(HeD+)+D(H). *Journal of Chemical Physics*, **2007**, 126, 234305	3.9	10

173	Assignment of rovibrational transitions of propyne in the region of 2934-2952 cm(-1) measured by two-color IR-vacuum ultraviolet laser photoion-photoelectron methods. *Journal of Chemical Physics* , **2007**, 127, 044313	3.9	10
172	A time-dependent wave packet quantum scattering study of the reaction HD+ (v = 0 - 3;j0 = 1) + He --> HeH+(HeD+) + D(H). *Journal of Chemical Physics*, **2007**, 127, 164318	3.9	17
171	Rotationally Resolved Vacuum Ultraviolet Pulsed Field Ionization-Photoelectron Vibrational Bands for H2+ (X2g+, v+=0-18). *Chinese Journal of Chemical Physics*, **2007**, 20, 352-364	0.9	8
170	State Selected Charge Transfer and Chemical Reactions by the Tesico Technique. *Advances in Chemical Physics*, **2007**, 263-307		16
169	Multicoincidence Detection in Beam Studies of Ion-Molecule Reactions: Technique and Application to X- + h2 Reactions. *Advances in Chemical Physics*, **2007**, 309-399		6
168	Crossed-Molecular Beam Studies of State-to-State Reaction Dynamics. *Advances in Chemical Physics* , **2007**, 501-552		3
167	Control of Transition-Metal Cation Reactivity by Electronic State Selection. *Advances in Chemical Physics*, **2007**, 213-262		18
166	Multiphoton Ionization State Selection: Vibrational-Mode and Rotational-State Control. *Advances in Chemical Physics*, **2007**, 177-212		43
165	Molecular Beam Photoionization Studies of Molecules and Clusters. *Advances in Chemical Physics*, **2007**, 263-362		76
164	Inhomogeneous RF Fields: A Versatile Tool for the Study of Processes with Slow Ions. *Advances in Chemical Physics*, **2007**, 1-176		314
163	Accurate ab initio predictions of ionization energies and heats of formation for the 2-propyl, phenyl, and benzyl radicals. *Journal of Chemical Physics*, **2006**, 124, 044323	3.9	25
162	A photodissociation study of CH2BrCl in the A-band using the time-sliced ion velocity imaging method. *Journal of Chemical Physics*, **2006**, 124, 034309	3.9	45
161	Infrared vibrational spectroscopy of cis-dichloroethene in Rydberg states. *Journal of Chemical Physics*, **2006**, 124, 64310	3.9	6
160	Direct identification of propargyl radical in combustion flames by vacuum ultraviolet photoionization mass spectrometry. *Journal of Chemical Physics*, **2006**, 124, 74302	3.9	29
159	The study of state-selected ion-molecule reactions using the vacuum ultraviolet pulsed field ionization-photoion technique. *Journal of Chemical Physics*, **2006**, 125, 132306	3.9	37
158	Rovibrationally selected and resolved state-to-state photoionization of ethylene using the infrared-vacuum ultraviolet pulsed field ionization-photoelectron method. *Journal of Chemical Physics*, **2006**, 125, 133304	3.9	19
157	Vacuum ultraviolet laser pulsed field ionization-photoelectron study of cis-dichloroethene. *Journal of Chemical Physics*, **2006**, 124, 224311	3.9	11
156	Accurate ab initio Predictions of Ionization Energies and Heats of Formation for Cyclopropenylidene, Propargylene and Propadienylidene. *Chinese Journal of Chemical Physics*, **2006**, 19, 29-38	0.9	28

155	Benchmarking state-of-the-art ab initio thermochemical predictions with accurate pulsed-field ionization photoion-photoelectron measurements. *Accounts of Chemical Research*, **2006**, 39, 823-9	24.3	53
154	A combined VUV synchrotron pulsed field ionization-photoelectron and IR-VUV laser photoion depletion study of ammonia. *Journal of Physical Chemistry A*, **2006**, 110, 8488-96	2.8	18
153	A combined vacuum ultraviolet laser and synchrotron pulsed field ionization study of BCl3. *Physical Chemistry Chemical Physics*, **2005**, 7, 1518-26	3.6	19
152	Accurate ab initio predictions of ionization energies of hydrocarbon radicals: CH2, CH3, C2H, C2H3, C2H5, C3H3, and C3H5. *Journal of Chemical Physics*, **2005**, 122, 224310	3.9	49
151	A time-dependent wave-packet quantum scattering study of the reaction H2+(v = 0-2,4,6;j = 1) + He--> HeH+ + H. *Journal of Chemical Physics*, **2005**, 122, 244322	3.9	64
150	Pulsed field-ionization photoelectron-photoion coincidence study of the process N2+hnu-->N++N+e-: bond dissociation energies of N2 and N2+. *Journal of Chemical Physics*, **2005**, 123, 074330	3.9	33
149	A pulsed-field ionization photoelectron secondary ion coincidence study of the H2+ (X,upsilon+=0-15,N+=1)+He proton transfer reaction. *Journal of Chemical Physics*, **2005**, 122, 164301	3.9	40
148	Vacuum ultraviolet pulsed field ionization study of ND3: accurate thermochemistry for the ND2-ND2+ and ND3-ND3+ system. *Journal of Chemical Physics*, **2004**, 120, 8476-84	3.9	10
147	Vacuum ultraviolet-infrared photo-induced Rydberg ionization spectroscopy: C-H stretching frequencies for trans-2-butene and trichloroethene cations. *Journal of Chemical Physics*, **2004**, 120, 1756-60	3.9	19
146	A high-resolution pulsed field ionization-photoelectron-photoion coincidence study of vinyl bromide. *Journal of Chemical Physics*, **2004**, 120, 11031-41	3.9	21
145	Vacuum ultraviolet pulsed-field ionization-photoelectron study of H2S in the energy range of 10-17 eV. *Journal of Chemical Physics*, **2004**, 120, 6944-56	3.9	21
144	Rovibrational-state-selected pulsed field ionization-photoelectron study of methyl iodide using two-color infrared-vacuum ultraviolet lasers. *Journal of Chemical Physics*, **2004**, 121, 7049-52	3.9	29
143	Vacuum Ultraviolet (VUV) Pulsed Field Ionization-Photoelectron and VUV-IR Photoinduced Rydberg Ionization Study oftrans-Dichloroethene. *Journal of Physical Chemistry A*, **2004**, 108, 9637-9644	2.8	23
142	Rovibrationally Selected and Resolved Pulsed Field Ionization-Photoelectron Study of Ethylene. *Journal of Physical Chemistry A*, **2004**, 108, 10035-10038	2.8	22
141	Rovibrational state-selected study of H2+ (X,v+=0-17, N+=1)+Ar using the pulsed field ionization-photoelectron-secondary ion coincidence scheme. *Journal of Chemical Physics*, **2003**, 118, 2455	3.9	22
140	A state-selected study of the H2+(X,v+=0-17,N+=1)+Ne proton transfer reaction using the pulsed-field ionization-photoelectron-secondary ion coincidence scheme. *Journal of Chemical Physics*, **2003**, 119, 10175-10185	3.9	45
139	Unimolecular decay pathways of state-selected CO2+ in the internal energy range of 5.2-8.2 eV: An experimental and theoretical study. *Journal of Chemical Physics*, **2003**, 118, 149-163	3.9	52
138	Absolute charge transfer cross sections for the state-selected reactions O+(2D,2P)+O2. *Journal of Chemical Physics*, **2003**, 118, 5260-5262	3.9	8

137	Two-color photoionization spectroscopy using vacuum ultraviolet synchrotron radiation and infrared optical parametric oscillator laser. *Review of Scientific Instruments*, **2003**, 74, 2784-2790	1.7	27
136	Pulsed field ionization-photoelectron bands for CS2+ in the energy range of 13.2–17.6 eV: An experimental and theoretical study. *Journal of Chemical Physics*, **2003**, 118, 4487-4498	3.9	12
135	High-resolution state-selected ion-molecule reaction studies using pulsed field ionization photoelectron-secondary ion coincidence method. *Review of Scientific Instruments*, **2003**, 74, 4096-4109	1.7	22
134	Vacuum ultraviolet laser pulsed field ionization photoelectron study of trans-2-butene. *Journal of Chemical Physics*, **2003**, 119, 7789-7799	3.9	33
133	State-selected and state-to-state photoionization study of trichloroethene using the two-color infrared-vacuum ultraviolet scheme. *Journal of Chemical Physics*, **2003**, 119, 9333-9336	3.9	39
132	Rovibrational-state-selected photoionization of acetylene by the two-color IR+VUV scheme: observation of rotationally resolved Rydberg transitions. *Physical Review Letters*, **2003**, 91, 233001	7.4	26
131	Vacuum ultraviolet laser pulsed field ionization photoelectron study of cis-2-butene. *Journal of Chemical Physics*, **2002**, 116, 8803-8808	3.9	30
130	Vacuum ultraviolet pulsed field ionization-photoelectron study of OCS in the energy range of 15–19 eV. *Journal of Chemical Physics*, **2002**, 116, 5612-5621	3.9	17
129	State-Selected and State-to-State Ion–Molecule Reaction Dynamics. *Journal of Physical Chemistry A*, **2002**, 106, 5953-5966	2.8	78
128	On the Enthalpy of Formation of Hydroxyl Radical and Gas-Phase Bond Dissociation Energies of Water and Hydroxyl. *Journal of Physical Chemistry A*, **2002**, 106, 2727-2747	2.8	422
127	Vacuum ultraviolet spectroscopy and chemistry by photoionization and photoelectron methods. *Annual Review of Physical Chemistry*, **2002**, 53, 101-40	15.7	141
126	High-resolution energy-selected study of the reaction CH3X+->CH3++X: Accurate thermochemistry for the CH3X/CH3X+ (X=Br, I) system. *Journal of Chemical Physics*, **2001**, 115, 4095-4104	3.9	40
125	Rotational-resolved pulsed field ionization-photoelectron study of NO+(A? 1Σv+=0–17) in the energy range of 17.70–20.10 eV. *Journal of Chemical Physics*, **2001**, 115, 2101-2108	3.9	5
124	High-resolution energy-selected study of the reaction NH3+->NH2++H: Accurate thermochemistry for the NH2/NH2+ and NH3/NH3+ systems. *Journal of Chemical Physics*, **2001**, 115, 2582-2589	3.9	38
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