David H Parker

List of Publications by Year
in descending order

175 papers	7,646 citations	81900 39 h-index	54911 84 g-index
182 all docs	182 docs citations	182 times ranked	3529 citing authors

#	Article	IF	Citations
1	A compact electrostatic lens for velocity map imaging experiments. Molecular Physics, 2022, 120, .	1.7	3
2	Laser ionisation detection of O(³P_j) atoms in the VUV; application to photodissociation of O₂. Molecular Physics, 2022, 120, .	1.7	3
3	Dynamics and vector correlations of vacuum ultraviolet (VUV) photodissociation of CO₂ at 155 nm. Physical Chemistry Chemical Physics, 2022, 24, 2592-2600.	2.8	3
4	Femtosecond 2 + 1 Resonance-Enhanced Multiphoton Ionization Spectroscopy of the C-State in Molecular Oxygen. Journal of Physical Chemistry A, 2021, 125, 9060-9064.	2.5	2
5	Molecular square dancing in CO-CO collisions. Science, 2020, 369, 307-309.	12.6	13
6	Weakly Bound Environment of Molecular Oxygen as a Catalyst of Photooxidation. Kinetics and Catalysis, 2020, 61, 174-197.	1.0	9
7	Photodissociation of S₂ (X³Î£_g^{â€“},) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Journal of Physical Chemistry A, 2019, 123, 6886-6896.	2.5	3
8	Collision-induced absorption between O₂â€“CO₂ for the a¹Î”_g (v = 1) â†•X³Î£â¯_g (v = 0) transition of molecular oxygen at 1060 nm. Physical Chemistry Chemical Physics, 2019, 21, 1805-1811.	2.8	3
9	Detection of the O2 Aâ€²3Î”U Herzberg III state by photofragment imaging. Physical Chemistry Chemical Physics, 2019, 21, 14278-14283.	2.8	3
10	Imaging inelastic scattering of CO with argon: polarization dependent differential cross sections. Physical Chemistry Chemical Physics, 2019, 21, 9200-9211.	2.8	3
11	O2â¯O2 and O2â¯N2 collision-induced absorption mechanisms unravelled. Nature Chemistry, 2018, 10, 549-554.	13.6	29
12	Imaging the inelastic scattering of vibrationally excited NO (vâ€¯=â€¯1) with Ar. Chemical Physics Letters, 2018, 692, 124-128.	2.6	4
13	Communication: State-to-state inelastic scattering of interstellar O2 with H2. Journal of Chemical Physics, 2018, 149, 121101.	3.0	6
14	Collision energy dependence of state-to-state differential cross sections for rotationally inelastic scattering of H₂O by He. Physical Chemistry Chemical Physics, 2017, 19, 4678-4687.	2.8	5
15	Imaging state-to-state reactive scattering in the Ar+ + H2 charge transfer reaction. Journal of Chemical Physics, 2017, 147, 013940.	3.0	11
16	Perspective: Advanced particle imaging. Journal of Chemical Physics, 2017, 147, 013601.	3.0	44
17	Imaging multiphoton ionization and dissociation of rotationally warm CO via the B+Î£1 and EÎ1 electronic states. Journal of Chemical Physics, 2017, 147, 013906.	3.0	3
18	A simple resonance enhanced laser ionization scheme for CO via the A1Î state. Journal of Chemical Physics, 2017, 147, 013909.	3.0	7

#	Article	IF	Citations
19	State-to-State Inelastic Scattering of O₂ with Helium. Journal of Physical Chemistry A, 2016, 120, 868-874.	2.5	9
20	Analysis of velocity-mapped ion images from high-resolution crossed-beam scattering experiments: a tutorial review. EPJ Techniques and Instrumentation, 2015, 2, 11.	1.3	7
21	Rotationally inelastic scattering of ND₃with H₂as a probe of the intermolecular potential energy surface. Molecular Physics, 2015, 113, 3925-3933.	1.7	18
22	Rotationally Inelastic Scattering of Quantum-State-Selected ND₃ withÂAr. Journal of Physical Chemistry A, 2015, 119, 5979-5987.	2.5	10
23	The Jahnâ€“Teller effect in the presence of partial isotopic substitution: the BÌƒ ¹Eâ€²â€² state of NH₂D and NHD₂. Physical Chemistry Chemical Physics, 2015, 17, 14145-14158.	2.8	3
24	Differential and integral cross sections in OH(X) + Xe collisions. Journal of Chemical Physics, 2015, 142, 034309.	3.0	3
25	Inelastic Scattering of CO with He: Polarization Dependent Differential State-to-State Cross Sections. Journal of Physical Chemistry A, 2015, 119, 12526-12537.	2.5	14
26	Singlet oxygen photogeneration from Xâ€“O₂ van der Waals complexes: double spin-flip vs. charge-transfer mechanism. Physical Chemistry Chemical Physics, 2015, 17, 28565-28573.	2.8	15
27	Direct Extraction of Alignment Moments from Inelastic Scattering Images. Journal of Physical Chemistry A, 2015, 119, 5925-5931.	2.5	10
28	State-to-state resolved differential cross sections for rotationally inelastic scattering of ND₃with He. Physical Chemistry Chemical Physics, 2014, 16, 477-488.	2.8	25
29	Imaging molecular dynamics. Physical Chemistry Chemical Physics, 2014, 16, 381-382.	2.8	11
30	Photodissociation of singlet oxygen in the UV region. Physical Chemistry Chemical Physics, 2014, 16, 3305.	2.8	33
31	Molecular collisions coming into focus. Physical Chemistry Chemical Physics, 2014, 16, 15768-15779.	2.8	28
32	Imaging the Pair-Correlated HNCO Photodissociation: The NH(a¹Î”) + CO(X¹Î£⁺) Channel. Journal of Physical Chemistry A, 2014, 118, 2413-2418.	2.5	18
33	Taming molecular collisions using electric and magnetic fields. Chemical Society Reviews, 2014, 43, 7279-7294.	38.1	47
34	Hot moleculesâ€”off the beaten path. Science, 2014, 346, 30-31.	12.6	6
35	Resonance enhanced multiphoton ionization spectroscopy of NHD2via the BÌƒ1Eâ€²â€²-state. Physical Chemistry Chemical Physics, 2013, 15, 6390.	2.8	1
36	Rotational excitation of HDO and D2O by H2: Experimental and theoretical differential cross-sections. Journal of Chemical Physics, 2013, 138, 024314.	3.0	10

#	Article	IF	Citations
37	A new high intensity and short-pulse molecular beam valve. Review of Scientific Instruments, 2013, 84, 023102.	1.3	57
38	Photodissociation of Methyl Iodide and Methyl Iodide Clusters at 193 nm. Journal of Physical Chemistry C, 2013, 117, 22383-22390.	3.1	8
39	Photodissociation of van der Waals clusters of isoprene with oxygen, C5H8â^'O2, in the wavelength range 213â€“277 nm. Journal of Chemical Physics, 2012, 137, 054305.	3.0	19
40	Inelastic scattering of hydroxyl radicals with helium and argon by velocity-map imaging. Nature Chemistry, 2012, 4, 985-989.	13.6	29
41	Imaging CH3SH photodissociation at 204 nm: the SH + CH3 channel. Physical Chemistry Chemical Physics, 2011, 13, 8531.	2.8	13
42	Product pair correlation in CH₃OH photodissociation at 157 nm: the OH + CH₃channel. Physical Chemistry Chemical Physics, 2011, 13, 2350-2355.	2.8	21
43	State-to-state differential and relative integral cross sections for rotationally inelastic scattering of H2O by hydrogen. Journal of Chemical Physics, 2011, 134, 204308.	3.0	41
44	Control and imaging of O(1D2) precession. Nature Chemistry, 2011, 3, 28-33.	13.6	8
45	Evolutionary optimization of rotational population transfer. Physical Review A, 2011, 84, .	2.5	5
46	A large aperture magnification lens for velocity map imaging. Review of Scientific Instruments, 2011, 82, 013301.	1.3	10
47	Photodissociation dynamics of acetylene via the Cl̀â€‰Î1u electronic state. Journal of Chemical Physics, 2010, 133, 014307.	3.0	10
48	Communication: Mapping water collisions for interstellar space conditions. Journal of Chemical Physics, 2010, 133, 131103.	3.0	28
49	Experimental measurement of the van der Waals binding energy of Xâ€“O2 clusters (X=Xe,CH3I,C3H6,C6H12). Journal of Chemical Physics, 2010, 133, 194306.	3.0	8
50	Ionic Pathways following UV Photoexcitation of the (HI)₂ van der Waals Dimer. Journal of Physical Chemistry A, 2010, 114, 3067-3073.	2.5	4
51	Imaging the Inelastic Scattering of Water with Helium. Comparison of Experiment and Theory. Journal of Physical Chemistry A, 2010, 114, 9886-9892.	2.5	24
52	Imaging CO₂ Photodissociation at 157 nm: State-to-State Correlations between CO(Î½) and O(³P_{j=0,1,2}). Journal of Physical Chemistry Letters, 2010, 1, 1861-1865.	4.6	34
53	Unusual Quantum Interference in the S₁ State of DABCO and Observation of Intramolecular Vibrational Redistribution. Journal of Physical Chemistry A, 2010, 114, 3313-3319.	2.5	22
54	Angular momentum polarisation in the O(¹D) products of O₂photolysis via the B state. Molecular Physics, 2010, 108, 1145-1157.	1.7	10

#	Article	IF	Citations
55	REMPI spectroscopy and predissociation of the Cl̀ƒ1B1(v = 0) rotational levels of H2O, HOD and D2O. Physical Chemistry Chemical Physics, 2010, 12, 13983.	2.8	37
56	Angular distributions and angular momentum alignment of O(3PJ) atoms formed in the photolysis of O2via the Herzberg continuum. Physical Chemistry Chemical Physics, 2010, 12, 15715.	2.8	3
57	Photodissociation of the linear Arâ€“I2 van der Waals complex: Velocity-map imaging of the I2 fragment. Journal of Chemical Physics, 2009, 130, 104302.	3.0	13
58	Photodissociation Imaging of Diatomic Sulfur (S₂). Journal of Physical Chemistry A, 2009, 113, 14995-15005.	2.5	26
59	Photodissociation dynamics of the Aâ€‰Î£2+ state of SH and SD radicals. Journal of Chemical Physics, 2009, 130, 034307.	3.0	21
60	Predissociation of the A2Î£+ (vâ€² = 3) state of the OH radical. Physical Chemistry Chemical Physics, 2009, 11, 4754.	2.8	6
61	â€œInversion substitutionâ€•reactions with participation of molecular oxygen: ZH3I + O2 â†’ O2ZH3 + I (Z = C,) Tj ETQq1 1 0.784314	1.5	2
62	Photodissociation of vibrationally excited OH/OD radicals. Molecular Physics, 2008, 106, 557-572.	1.7	15
63	Direct mapping of recoil in the ion-pair dissociation of molecular oxygen by a femtosecond depletion method. Journal of Chemical Physics, 2008, 129, 214306.	3.0	30
64	Photodissociation of vibrationally excited SH and SD radicals at 288 and 291nm: The S(D21) channel. Journal of Chemical Physics, 2007, 126, 094304.	3.0	16
65	State-to-state inelastic scattering of OH by HI: A comparison with OHâ€“HCl and OHâ€“HBr. Journal of Chemical Physics, 2007, 126, 124302.	3.0	20
66	Controlling rotational state distributions using two-pulse stimulated Raman excitation. Physical Review A, 2007, 76, .	2.5	43
67	Velocity Mapping of Multiphoton Excited Molecules. Advances in Photochemistry, 2007, , 59-106.	0.4	9
68	Photodissociation dynamics of HI and DI at 157nm. Chemical Physics Letters, 2007, 449, 18-22.	2.6	5
69	Cluster-enhanced Xâ€“O2 photochemistry (X=CH3I, C3H6, C6H12, and Xe). Journal of Chemical Physics, 2007, 126, 124316.	3.0	28
70	Imaging the dynamics of gas phase reactions. Physical Chemistry Chemical Physics, 2006, 8, 26-53.	2.8	269
71	Photolysis of NO2 at multiple wavelengths in the spectral region 200â€“205Ânm. European Physical Journal D, 2006, 38, 151-162.	1.3	23
72	Ultraviolet photodissociation of the van der Waals dimer (CH3I)2 revisited. II. Pathways giving rise to neutral molecular iodine. Journal of Chemical Physics, 2006, 125, 133303.	3.0	10

#	Article	IF	Citations
73	Rotationally inelastic scattering of OH (Î3âˆ•22, v=0, J=3âˆ•2, f) by HBr (Î£1, v=0, J<4). Journal of Chemical Physics, 2006, 125, 204315.	3.0	11
74	Photofragment alignment in the photodissociation of I2 from 450to510nm. Journal of Chemical Physics, 2006, 124, 024315.	3.0	16
75	Time resolved observation of multiple electronic configurations in the electronic relaxation of isolated molecules by photoelectron imaging. AIP Conference Proceedings, 2005, , .	0.4	1
76	UV photodissociation of the van der Waals dimer (CH3I)2 revisited: Pathways giving rise to ionic features. Journal of Chemical Physics, 2005, 122, 204301.	3.0	37
77	Pulsed source of metal atoms and their compounds. Review of Scientific Instruments, 2005, 76, 026102.	1.3	2
78	(2+1) Resonance-enhanced ionization spectroscopy of a state-selected beam of OH radicals. Journal of Chemical Physics, 2005, 123, 074309.	3.0	28
79	Iron monoxide photodissociation. Journal of Chemical Physics, 2005, 122, 084302.	3.0	39
80	Experimental Evidence for Ultrafast Electronic Relaxation in Molecules, Mediated by Diffuse States. Journal of the American Chemical Society, 2005, 127, 16529-16534.	13.7	30
81	Velocity map imaging study of OCS photodissociation followed by S(1S) autoionization at 157 nm. Molecular Physics, 2005, 103, 1797-1807.	1.7	20
82	Imaging the pair-correlated excitation function: The F+CH4â†'HF(vâ€²)+CH3(Î½=0) reaction. Journal of Chemical Physics, 2004, 120, 117-122.	3.0	82
83	Dissociative multiphoton ionization of NO[sub 2] studied by time-resolved imaging. Journal of Chemical Physics, 2004, 121, 7776.	3.0	31
84	Comment on â€œUnraveling the mysteries of metastable O4*â€•[J. Chem. Phys. 110, 6095 (1999)]. Journal of Chemical Physics, 2004, 120, 6794-6796.	3.0	2
85	The substitution reactions RH+O2â†'RO2+H: transition state theory calculations based on the ab initio and DFT potential energy surface. Chemical Physics Letters, 2004, 385, 486-490.	2.6	19
86	High-Resolution Ion-Imaging Studies of the Photodissociation of the BrCl+Cationâ€. Journal of Physical Chemistry A, 2004, 108, 8077-8083.	2.5	23
87	Slicing Using a Conventional Velocity Map Imaging Setup:Â O2, I2, and I2+Photodissociationâ€. Journal of Physical Chemistry A, 2004, 108, 8100-8105.	2.5	42
88	Ab initio study of isomers of neutral and ionized van der Waals dimer (CH3I)2. Chemical Physics Letters, 2003, 376, 395-402.	2.6	17
89	Photodissociation of the OD radical at 226 and 243 nm. Journal of Chemical Physics, 2003, 119, 9341-9343.	3.0	15
90	Ethylene Production by Botrytis cinerea In Vitro and in Tomatoes. Applied and Environmental Microbiology, 2002, 68, 5342-5350.	3.1	173

#	Article	IF	Citations
91	Photodissociation of hydrogen iodide in the A-band region 273â€“288 nm. Journal of Chemical Physics, 2002, 117, 9347-9352.	3.0	30
92	Photofragment alignment from the photodissociation of HCl and HBr. Chemical Physics Letters, 2002, 364, 115-120.	2.6	43
93	Photodissociation of superexcited states of hydrogen iodide: A photofragment imaging study using resonant multiphoton excitation at 13.39 and 15.59 eV. Canadian Journal of Physics, 2001, 79, 211-227.	1.1	9
94	Above-Threshold Effects in the Photodissociation and Photoionization of Iodobenzeneâ€. Journal of Physical Chemistry A, 2001, 105, 2270-2280.	2.5	35
95	Ion Recoil Following (2+1) REMPI of Nascent Atoms â€•The Effect on Nascent Velocity Distributions in Velocity Map Imaging. Journal of the Chinese Chemical Society, 2001, 48, 327-332.	1.4	22
96	Photodissociationâ€“ionization dynamics of molecular chlorine Rydberg states using velocity map imaging. Journal of Chemical Physics, 2001, 115, 1205-1212.	3.0	9
97	IR excitation of ethylene molecules and clusters embedded in 4He droplets. Journal of Chemical Physics, 2001, 114, 9463-9469.	3.0	4
98	Short-wavelength photolysis of jet-cooled OClO(2A2â€Šî½1›20)â†'ClO(Xâ€Š2Îî©,v,J)+O(3PJ). Journal of Chemical Physics, 2001, 114, 8339-8346.	3.0	16
99	Observation of Direct Dissociative Ionization in Molecular Hydrogen. Physical Review Letters, 2001, 86, 3272-3275.	7.8	13
100	‹title›Photoacoustic trace gas detection of ethene released by UV-induced lipid peroxidation in humans‹/title›. , 2000, , .		1
101	Velocity map imaging and REMPI study of the photodissociation of CH3SCH3 from the first absorption band. Chemical Physics Letters, 2000, 325, 146-152.	2.6	18
102	Photodissociation dynamics of excited by 193 nm light. Chemical Physics Letters, 2000, 330, 293-299.	2.6	13
103	VELOCITY MAPPING STUDIES OF MOLECULAR PHOTODISSOCIATION AND PHOTOIONIZATION DYNAMICS. Advanced Series in Physical Chemistry, 2000, , 3-46.	1.5	1
104	Multiphoton dynamics of H2 with 248 nm picosecond and femtosecond pulses. Journal of Chemical Physics, 2000, 113, 9044-9050.	3.0	4
105	Photophysics of O2 excited by tunable laser radiation around 193 nm. Journal of Chemical Physics, 2000, 112, 4037-4044.	3.0	22
106	Completely inverted ClO vibrational distribution from OClO(2A2â€Š24,0,0). Journal of Chemical Physics, 2000, 112, 5298-5300.	3.0	19
107	Velocity Map Imaging: Technique and Applications to O2 Photodissociation. ACS Symposium Series, 2000, , 56-67.	0.5	0
108	CO Laser Absorption Coefficients for Gases of Biological Relevance: H2O, CO2, Ethanol, Acetaldehyde, and Ethylene. Applied Spectroscopy, 2000, 54, 62-71.	2.2	15

#	Article	IF	Citations
109	Nonresonant photofragmentation/ionization dynamics of O2 using picosecond and femtosecond laser pulses at 248 nm. Journal of Chemical Physics, 2000, 112, 5654-5659.	3.0	14
110	Crossed-beam velocity map imaging of collisional autoionization processes. Journal of Chemical Physics, 2000, 113, 7728-7730.	3.0	10
111	Laser Photochemistry of Molecular Oxygen. Accounts of Chemical Research, 2000, 33, 563-571.	15.6	74
112	Energy partitioning following photodissociation of methyl iodide in the A band: A velocity mapping study. Journal of Chemical Physics, 1999, 110, 832-844.	3.0	190
113	Spin-orbit branching ratios for the Cl atom photofragments following the excitation of Cl2 from 310 to 470 nm. Journal of Chemical Physics, 1999, 110, 5201-5207.	3.0	72
114	On-line laser photoacoustic detection of ethene in exhaled air as biomarker of ultraviolet radiation damage of the human skin. Applied Physics Letters, 1999, 74, 1761-1763.	3.3	60
115	Photoelectron and Photofragment Velocity Imaging Following the Excitation of CH3I to the A-Band Using fs, ps, and ns Laser Pulses. Journal of Physical Chemistry A, 1999, 103, 6106-6113.	2.5	38
116	Photoacoustic spectroscopy using quantum-cascade lasers. Optics Letters, 1999, 24, 178.	3.3	140
117	CO2 laser photoacoustic monitoring of gas transport in rice using SF6 as a tracer gas. , 1999, , .		0
118	The. , 1999, , .		0
119	A CO laser based photoacoustic system applied to the detection of trace gases emitted by conference pears stored at high. , 1999, , .		0
120	Laser photoacoustic ethene detection from human air as on-line biomarker for lipid peroxidation. , 1999, , .		0
121	Velocity Mapping Studies of Vibrational Energy Disposal Following Methyl Iodide Photodissociation. Journal of the Chinese Chemical Society, 1999, 46, 513-517.	1.4	4
122	The sequential two photon dissociation of NO as a source of aligned N(2D), N(4S) and O(3P) atoms. Chemical Physics Letters, 1998, 283, 319-325.	2.6	14
123	Two-photon dissociation of NO near 275 nm investigated by velocity map imaging. Chemical Physics Letters, 1998, 294, 565-570.	2.6	9
124	Methyl iodide A-band decomposition study by photofragment velocity imaging. Journal of Chemical Physics, 1998, 109, 4758-4767.	3.0	188
125	Production of maximally aligned O(1D) atoms from two-step photodissociation of molecular oxygen. Journal of Chemical Physics, 1998, 108, 1305-1308.	3.0	73
126	Angular distributions for photodissociation of O2 in the Herzberg continuum. Journal of Chemical Physics, 1998, 108, 7229-7243.	3.0	70

#	Article	IF	Citations
127	LASER PHOTOACOUSTIC TRACE GAS DETECTION, AN EXTREMELY SENSITIVE TECHNIQUE APPLIED IN BIOLOGICAL RESEARCH. Instrumentation Science and Technology, 1998, 26, 157-175.	1.8	22
128	Multicomponent trace gas analysis with a CO-laser-based photoacoustic detector: emission of ethanol, acetaldehyde, ethane, and ethylene from fruit. , 1998, , .		1
129	Velocity imaging: applications in molecular oxygen photophysics. , 1998, 3271, 177.		3
130	<title>Laser-based detection of trace gases released by crops under long-term storage</title>. , 1997, , .		1
131	Dynamics of Acetaldehyde Production during Anoxia and Post-Anoxia in Red Bell Pepper Studied by Photoacoustic Techniques. Plant Physiology, 1997, 113, 925-932.	4.8	72
132	Photoelectron and photofragment velocity map imaging of state-selected molecular oxygen dissociation/ionization dynamics. Journal of Chemical Physics, 1997, 107, 2357-2362.	3.0	222
133	Velocity map imaging of ions and electrons using electrostatic lenses: Application in photoelectron and photofragment ion imaging of molecular oxygen. Review of Scientific Instruments, 1997, 68, 3477-3484.	1.3	2,445
134	On-line monitoring of nitrogenase activity in cyanobacteria by sensitive laser photoacoustic detection of ethylene. Applied and Environmental Microbiology, 1997, 63, 4243-4251.	3.1	24
135	Ultrafast non-resonant multiphoton preparation of ion-molecule reactions within clusters. Chemical Physics Letters, 1996, 256, 293-296.	2.6	1
136	High Rydberg states of DABCO: Spectroscopy, ionization potential, and comparison with mass analyzed threshold ionization. Journal of Chemical Physics, 1996, 104, 4357-4364.	3.0	41
137	Steric Effects on Electronically Excited Product Channels in Reactions between Ca(1D2) and CH3X(JKM) (X = Cl, Br)â€. The Journal of Physical Chemistry, 1996, 100, 16066-16071.	2.9	32
138	Coherent cavity ring down spectroscopy. Chemical Physics Letters, 1994, 217, 112-116.	2.6	159
139	Double-resonance measurements of vibrational levels populated by infrared multiphoton excitation of CF3I in a molecular beam. Chemical Physics Letters, 1993, 215, 461-469.	2.6	6
140	High-resolution laser-induced fluorescence study of a cage molecule, 1,4-diazabicyclo [2,2,2] octane, DABCO. Chemical Physics, 1993, 174, 267-276.	1.9	10
141	Spectroscopy of DABCO-rare-gas and DABCO-DABCO van der Waals complexes. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 27, 73-78.	1.0	8
142	LIF-analysis on the S1 Â« S0 transition of DABCO: â€œmemory effectâ€•and vibrational structure. Chemical Physics, 1992, 165, 397-403.	1.9	2
143	DABCO: an investigation of the vibrational structured of the S0 and S1 state through two-photon LIF measurements. Chemical Physics, 1992, 163, 223-239.	1.9	8
144	Steric properties of the reactive system calcium(1D2) + fluoromethane (JKM) .fwdarw. calcium fluoride (A) + methyl. The Journal of Physical Chemistry, 1991, 95, 8142-8153.	2.9	54

#	Article	IF	Citations
145	Rotational alignment of the methyl-d3 fragment from the 266-nm photodissociation of methyl-d3 iodide. The Journal of Physical Chemistry, 1991, 95, 8007-8013.	2.9	66
146	Photofragment imaging: the 266-nm photolysis of CD3I. The Journal of Physical Chemistry, 1990, 94, 4839-4846.	2.9	95
147	Laser ionization spectroscopy of CD3 via the 3pzâ€‰2Aâ€˜2 Rydberg state. Journal of Chemical Physics, 1989, 90, 60-67.	3.0	42
148	Photofragment imaging: The 266 nm photodissociation of CH3I. Chemical Physics Letters, 1989, 156, 151-158.	2.6	133
149	Oriented Molecule Beams Via the Electrostatic Hexapole: Preparation, Characterization, and Reactive Scattering. Annual Review of Physical Chemistry, 1989, 40, 561-595.	10.8	259
150	Reactant orientation-product polarization correlations. Collision energy dependence in the Ba + N2O ? BaO*+ N2 reaction. Journal of the Chemical Society, Faraday Transactions 2, 1989, 85, 1115.	1.1	19
151	Proton production in one- and two-color laser ionization and dissociation of molecular hydrogen. The Journal of Physical Chemistry, 1988, 92, 3701-3705.	2.9	17
152	Laser ionization spectroscopy of diazabicyclo[3.3.3]undecane. The Journal of Physical Chemistry, 1988, 92, 5436-5438.	2.9	4
153	Measurement of transition moments between molecular excited electronic states using the Autler-Townes effect. AIP Conference Proceedings, 1988, , .	0.4	0
154	Two-dimensional Imaging of Photofragments. Laser Chemistry, 1988, 9, 27-46.	0.5	48
155	Saturation in Laser-Induced Fluorescence: Detection of Nascent Product Rotational Angular Momentum Alignment. , 1988, , 311-321.		0
156	Reactive Scattering with Oriented Molecules: Selectivity in the Ba + N2O â†’ BaO* + N2 Reaction. , 1988, , 195-220.		0
157	Direct measurement of rotational energy transfer rate constants for H35Cl (v=1). Journal of Chemical Physics, 1987, 87, 5229-5237.	3.0	34
158	Observation of Autler-Townes splitting in the multiphoton ionization ofH2: Measurement of vibronic transition moments between excited electronic states. Physical Review A, 1987, 36, 4107-4110.	2.5	52
159	Double-resonance laser-ionization spectroscopy of molecular hydrogen in the region of the second dissociation limit. The Journal of Physical Chemistry, 1987, 91, 2035-2037.	2.9	10
160	Dynamics of molecular stereochemistry via oriented molecule scattering. The Journal of Physical Chemistry, 1987, 91, 5427-5437.	2.9	59
161	Torsional mode relaxation of DABCO in a seeded supersonic beam. Chemical Physics Letters, 1987, 141, 25-30.	2.6	1
162	Mass-resolved laser ionization spectroscopy of HCl. Chemical Physics Letters, 1987, 137, 414-420.	2.6	48

#	Article	IF	Citations
163	Wavelength dependence of the BaO* product chemiluminescence on the N2O reactant orientation in the Ba + N2O â†' BaO* + N2 reaction. Chemical Physics Letters, 1987, 140, 215-220.	2.6	11
164	Saturation in laser-induced fluorescence: effect on alignment parameters. Chemical Physics, 1987, 113, 357-382.	1.9	17
165	Hot-band study of DABCO using resonant multiphoton optogalvanic spectroscopy. The Journal of Physical Chemistry, 1986, 90, 219-222.	2.9	9
166	Translational energy dependence of the steric effect: oriented N2O + Ba .fwdarw. BaO + N2 reaction. The Journal of Physical Chemistry, 1986, 90, 552-554.	2.9	25
167	Polarized emission from the products of oriented reactants: The Ba+N2Oâ†'BaO*+N2 reaction. Journal of Chemical Physics, 1986, 85, 5372-5373.	3.0	37
168	Resonance-enhanced multiphoton ionization spectroscopy of ABCO and ABCU: core splitting of the 3p Rydberg orbitals. The Journal of Physical Chemistry, 1984, 88, 6087-6089.	2.9	12
169	Analysis of the steric dependence of the CH3I + Rb reaction using a legendre expansion technique. Chemical Physics, 1982, 71, 353-361.	1.9	76
170	Reactive asymmetry of methyl iodide. The crossed-beam reaction of oriented methyl iodide with rubidium. The Journal of Physical Chemistry, 1981, 85, 466-468.	2.9	67
171	Multiphoton ionization and twoâ€photon fluorescence excitation spectroscopy of triethylenediamine. Journal of Chemical Physics, 1979, 71, 1241-1246.	3.0	53
172	Determination of excited state lifetimes and ionization potentials by dual beam visible lasers. Chemical Physics, 1979, 42, 379-387.	1.9	40
173	Multiphoton ionization spectra of two caged amines. Chemical Physics Letters, 1978, 53, 515-520.	2.6	49
174	Symmetry assignment of twoâ€photon states from polarization characteristics of multiphoton ionization spectra. Journal of Chemical Physics, 1978, 68, 5661-5663.	3.0	32
175	Multiphoton ionization spectrum of transâ€hexatriene in the 6.2 eV region. Journal of Chemical Physics, 1976, 65, 5534-5535.	3.0	51