

# Arthur G Suits

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/193951/publications.pdf>

Version: 2024-02-01

162  
papers

5,871  
citations

71102

41  
h-index

85541

71  
g-index

166  
all docs

166  
docs citations

166  
times ranked

2637  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Roaming Atom: Straying from the Reaction Path in Formaldehyde Decomposition. <i>Science</i> , 2004, 306, 1158-1161.	12.6	538
2	Direct current slice imaging. <i>Review of Scientific Instruments</i> , 2003, 74, 2530-2539.	1.3	366
3	Roaming Atoms and Radicals: A New Mechanism in Molecular Dissociation. <i>Accounts of Chemical Research</i> , 2008, 41, 873-881.	15.6	221
4	The "Ozone Deficit" Problem: O <sub>2</sub> (X, v ge 26) + O(3P) from 226-nm Ozone Photodissociation. <i>Science</i> , 1994, 265, 1831-1838.	12.6	179
5	Megapixel ion imaging with standard video. <i>Review of Scientific Instruments</i> , 2005, 76, 063106.	1.3	148
6	A Combined Experimental and Theoretical Study on the Formation of Interstellar C <sub>3</sub> H Isomers. <i>Science</i> , 1996, 274, 1508-1511.	12.6	147
7	Imaging the alignment angular distribution: State symmetries, coherence effects, and nonadiabatic interactions in photodissociation. <i>Journal of Chemical Physics</i> , 1999, 110, 6749-6765.	3.0	130
8	Differential cross sections for state-selected products by direct imaging: Ar+NO. <i>Journal of Chemical Physics</i> , 1992, 96, 8618-8620.	3.0	114
9	Roaming-mediated isomerization in the photodissociation of nitrobenzene. <i>Nature Chemistry</i> , 2011, 3, 932-937.	13.6	110
10	Primary and secondary processes in the 193 nm photodissociation of vinyl chloride. <i>Journal of Chemical Physics</i> , 1998, 108, 5414-5425.	3.0	101
11	Conformationally Controlled Chemistry: Excited-State Dynamics Dictate Ground-State Reaction. <i>Science</i> , 2007, 315, 1561-1565.	12.6	100
12	State-resolved differential cross sections for crossed-beam argon-nitric oxide inelastic scattering by direct ion imaging. <i>The Journal of Physical Chemistry</i> , 1993, 97, 6342-6350.	2.9	98
13	Universal crossed molecular beams apparatus with synchrotron photoionization mass spectrometric product detection. <i>Review of Scientific Instruments</i> , 1997, 68, 3317-3326.	1.3	93
14	Roaming Radical Reactions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 642-647.	4.6	89
15	Crossed-beam reaction of carbon atoms with hydrocarbon molecules. III: Chemical dynamics of propynylidyne (l-C <sub>3</sub> H;X <sup>2</sup> Π) and cyclopropynylidyne (c-C <sub>3</sub> H;X <sup>2</sup> Σ <sup>+</sup> ) formation from reaction of C(3P) with 3.0 acetylene, C <sub>2</sub> H <sub>2</sub> (X <sup>1</sup> Σ <sup>+</sup> g+). <i>Journal of Chemical Physics</i> , 1997, 106, 1729-1741.		84
16	The roaming atom pathway in formaldehyde decomposition. <i>Journal of Chemical Physics</i> , 2006, 125, 044303.	3.0	83
17	UV photodissociation of oxalyl chloride yields four fragments from one photon absorption. <i>Journal of Chemical Physics</i> , 1997, 106, 7617-7624.	3.0	82
18	Observation of Coherent and Incoherent Dissociation Mechanisms in the Angular Distribution of Atomic Photofragment Alignment. <i>Physical Review Letters</i> , 1998, 80, 1626-1629.	7.8	82

#	ARTICLE	IF	CITATIONS
19	A high-intensity, pulsed supersonic carbon source with C(3Pj) kinetic energies of 0.08–0.7 eV for crossed beam experiments. <i>Review of Scientific Instruments</i> , 1995, 66, 5405-5411.	1.3	69
20	Imaging Atomic Orbital Polarization in Photodissociation. <i>Chemical Reviews</i> , 2008, 108, 3706-3746.	47.7	69
21	Crossed-beam reaction of O(1D)+D <sub>2</sub> <sup>+</sup> OD+D by velocity map imaging. <i>Chemical Physics Letters</i> , 1999, 301, 372-378.	2.6	67
22	Evidence of Roaming Dynamics and Multiple Channels for Molecular Elimination in NO <sub>3</sub> Photolysis. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2455-2458.	4.6	62
23	Crossed-beam reaction of C(3Pj) with C <sub>2</sub> H <sub>2</sub> (1 <sup>+</sup> g): Observation of tricarbon-hydride C <sub>3</sub> H. <i>Journal of Chemical Physics</i> , 1995, 103, 10395-10398.	3.0	60
24	Primary and Secondary Processes in the Photodissociation of CHBr <sub>3</sub> . <i>Journal of Physical Chemistry A</i> , 2000, 104, 10085-10091.	2.5	59
25	Imaging H abstraction dynamics in crossed molecular beams: Cl+ROH reactions. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 861-868.	2.8	58
26	Synthesis of mixed hypermetallic oxide BaOCa <sup>+</sup> from laser-cooled reagents in an atom-ion hybrid trap. <i>Science</i> , 2017, 357, 1370-1375.	12.6	58
27	Discrimination of product isomers in the photodissociation of propyne and allene at 193 nm. <i>Journal of Chemical Physics</i> , 1999, 110, 4363-4368.	3.0	57
28	ION PAIR DISSOCIATION: Spectroscopy and Dynamics. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 431-465.	10.8	56
29	Photofragment vector correlations by ion imaging: O <sub>2</sub> [a <sub>1</sub> <sup>+</sup> g(v, J)] from 248 nm dissociation of ozone. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1443-1447.	1.7	55
30	Chirped-pulse millimeter-wave spectroscopy for dynamics and kinetics studies of pyrolysis reactions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15739-15751.	2.8	54
31	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. II. Performance and applications for reaction dynamics. <i>Journal of Chemical Physics</i> , 2014, 141, 214203.	3.0	54
32	Roaming Reactions and Dynamics in the van der Waals Region. <i>Annual Review of Physical Chemistry</i> , 2020, 71, 77-100.	10.8	54
33	Universal and State-Resolved Imaging of Chemical Dynamics. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8661-8674.	2.5	50
34	Product Branching in the Low Temperature Reaction of CN with Propyne by Chirped-Pulse Microwave Spectroscopy in a Uniform Supersonic Flow. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1599-1604.	4.6	49
35	"Heavy Electron" Photoelectron Spectroscopy: Rotationally Resolved Ion Pair Imaging of CH <sub>3</sub> <sup>+</sup> . <i>Science</i> , 2001, 294, 2527-2529.	12.6	47
36	Photodissociation dynamics of nitromethane and methyl nitrite by infrared multiphoton dissociation imaging with quasiclassical trajectory calculations: Signatures of the roaming pathway. <i>Journal of Chemical Physics</i> , 2014, 140, 054305.	3.0	47

#	ARTICLE	IF	CITATIONS
37	Roaming dynamics in radical addition-elimination reactions. <i>Nature Communications</i> , 2014, 5, 4064.	12.8	47
38	Crossed beam reaction of atomic carbon, C(3Pj), with the propargyl radical, C <sub>3</sub> H <sub>3</sub> : Observation of diacetylene, C <sub>4</sub> H <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1997, 107, 8713-8716.	3.0	46
39	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. I. The low-temperature flow system. <i>Journal of Chemical Physics</i> , 2014, 141, 154202.	3.0	46
40	Further aspects of the roaming mechanism in formaldehyde dissociation. <i>Chemical Physics</i> , 2008, 347, 288-299.	1.9	45
41	O(1D <sub>2</sub> ) orbital orientation in the ultraviolet photodissociation of ozone. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1650.	2.8	41
42	Reaction blockading in a reaction between an excited atom and a charged molecule at low collision energy. <i>Nature Chemistry</i> , 2019, 11, 615-621.	13.6	41
43	Photodissociation of Ethylene Sulfide at 193 nm: A Photofragment Translational Spectroscopy Study with VUV Synchrotron Radiation and ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2001, 123, 148-161.	13.7	39
44	Imaging O(3P)+alkane reactions in crossed molecular beams: Vertical versus adiabatic H abstraction dynamics. <i>Journal of Chemical Physics</i> , 2002, 117, 7947-7959.	3.0	39
45	S(D <sub>2</sub> 1) atomic orbital polarization in the photodissociation of OCS at 193nm: Construction of the complete density matrix. <i>Journal of Chemical Physics</i> , 2006, 125, 144318.	3.0	39
46	Finite slice analysis (FINA) - A general reconstruction method for velocity mapped and time-sliced ion imaging. <i>Journal of Chemical Physics</i> , 2017, 147, 013913.	3.0	39
47	Unraveling the dissociation of dimethyl sulfoxide following absorption at 193 nm. <i>Journal of Chemical Physics</i> , 1997, 106, 539-550.	3.0	37
48	Ultraviolet photodissociation of furan probed by tunable synchrotron radiation. <i>Journal of Chemical Physics</i> , 1999, 111, 100-107.	3.0	37
49	Rotationally resolved reactive scattering: Imaging detailed Cl+C <sub>2</sub> H <sub>6</sub> reaction dynamics. <i>Journal of Chemical Physics</i> , 2006, 125, 133107.	3.0	37
50	Intrabeam Scattering for Ultracold Collisions. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5153-5159.	4.6	37
51	Optical Control of Reactions between Water and Laser-Cooled Be <sup>+</sup> Ions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3555-3560.	4.6	37
52	Intersystem crossing in the exit channel. <i>Nature Chemistry</i> , 2019, 11, 123-128.	13.6	36
53	Photodissociation of Oxalyl Chloride at 193 nm Probed via Synchrotron Radiation. <i>Journal of Physical Chemistry A</i> , 1997, 101, 6633-6637.	2.5	35
54	Photodissociation of acrylonitrile at 193 nm: A photofragment translational spectroscopy study using synchrotron radiation for product photoionization. <i>Journal of Chemical Physics</i> , 1998, 108, 5784-5794.	3.0	35

#	ARTICLE	IF	CITATIONS
55	State-resolved reactive scattering by slice imaging: A new view of the Cl+C <sub>2</sub> H <sub>6</sub> reaction. Journal of Chemical Physics, 2006, 124, 011102.	3.0	35
56	Correlated product distributions from ketene dissociation measured by dc sliced ion imaging. Journal of Chemical Physics, 2006, 124, 014303.	3.0	33
57	Superexcited State Dynamics Probed with an Extreme-Ultraviolet Free Electron Laser. Physical Review Letters, 2004, 92, 083002.	7.8	32
58	State-correlated DC slice imaging of formaldehyde photodissociation: roaming atoms and multichannel branching. International Reviews in Physical Chemistry, 2007, 26, 585-607.	2.3	32
59	Photochemical Dynamics of Ethylene Cation C <sub>2</sub> H <sub>4</sub> <sup>+</sup> . Journal of Physical Chemistry Letters, 2014, 5, 1467-1471.	4.6	32
60	Invited Review Article: Photofragment imaging. Review of Scientific Instruments, 2018, 89, 111101.	1.3	32
61	Dissociative photoionization dynamics of SF <sub>6</sub> by ion imaging with synchrotron undulator radiation. Chemical Physics Letters, 1999, 312, 108-114.	2.6	31
62	Differential cross sections for O(3P)+alkane reactions by direct imaging. Journal of Chemical Physics, 2002, 116, 5341-5344.	3.0	31
63	Photofragment translational spectroscopy with state-selective $\pi$ -universal detection: The ultraviolet photodissociation of CS <sub>2</sub> . Journal of Chemical Physics, 2000, 112, 5301-5307.	3.0	28
64	Reflectron velocity map ion imaging. Review of Scientific Instruments, 2005, 76, 104101.	1.3	28
65	A Signature of Roaming Dynamics in the Thermal Decomposition of Ethyl Nitrite: Chirped-Pulse Rotational Spectroscopy and Kinetic Modeling. Journal of Physical Chemistry Letters, 2014, 5, 3641-3648.	4.6	28
66	State specific reactions of Ba(1S <sub>0</sub> ) and Ba(1D <sub>2</sub> ) with water and methanol. Journal of Chemical Physics, 1993, 98, 9595-9609.	3.0	27
67	Evidence of triplet ethylene produced from photodissociation of ethylene sulfide. Journal of Chemical Physics, 2000, 112, 10707-10710.	3.0	27
68	Dynamics of Chlorine Atom Reactions with Hydrocarbons: Insights from Imaging the Radical Product in Crossed Beams. Journal of Physical Chemistry A, 2014, 118, 9281-9295.	2.5	27
69	Probing of the hot-band excitations in the photodissociation of OCS at 288 nm by DC slice imaging. Canadian Journal of Chemistry, 2004, 82, 880-884.	1.1	26
70	Dynamics of CN+alkane reactions by crossed-beam dc slice imaging. Journal of Chemical Physics, 2008, 129, 074301.	3.0	26
71	Orbital polarization from DC slice imaging: S(1D <sub>2</sub> ) alignment in the photodissociation of ethylene sulfide. Chemical Physics, 2004, 301, 197-208.	1.9	24
72	Imaging the dynamics of chlorine atom reactions with alkenes. Journal of Chemical Physics, 2010, 133, 074306.	3.0	24

#	ARTICLE	IF	CITATIONS
73	A Reaction Accelerator: Mid-infrared Strong Field Dissociation Yields Mode-Selective Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2541-2547.	4.6	24
74	Finite slice analysis (FINA) of sliced and velocity mapped images on a Cartesian grid. <i>Journal of Chemical Physics</i> , 2017, 147, 074201.	3.0	24
75	Reactions of Ba Atoms with NO <sub>2</sub> , O <sub>3</sub> and Cl <sub>2</sub> : Dynamic Consequences of the Divalent Nature of Barium. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1990, 94, 1193-1201.	0.9	23
76	H elimination and metastable lifetimes in the UV photoexcitation of diacetylene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12713-12718.	7.1	22
77	Ion pair imaging spectroscopy: CH <sub>3</sub> Cl <sup>+</sup> +CH <sub>3</sub> +Cl <sup>+</sup> . <i>Chemical Physics Letters</i> , 2001, 339, 203-208.	2.6	21
78	Crossed-beam dc slice imaging of chlorine atom reactions with pentane isomers. <i>Journal of Chemical Physics</i> , 2010, 132, 164313.	3.0	21
79	Note: A short-pulse high-intensity molecular beam valve based on a piezoelectric stack actuator. <i>Review of Scientific Instruments</i> , 2014, 85, 116107.	1.3	21
80	State-to-state scattering of highly vibrationally excited NO at broadly tunable energies. <i>Nature Chemistry</i> , 2020, 12, 528-534.	13.6	20
81	Reaction dynamics from orbital alignment dependence and angular distributions of ions produced in collision of Ba(1P) with NO <sub>2</sub> and O <sub>3</sub> . <i>Journal of Chemical Physics</i> , 1992, 96, 2777-2785.	3.0	19
82	Visible/Infrared Dissociation of NO <sub>3</sub> : Roaming in the Dark or Roaming on the Ground?. <i>Journal of Physical Chemistry A</i> , 2015, 119, 7163-7168.	2.5	18
83	O(3P) versus O(1D) reaction dynamics with n-pentane: a crossed-beam imaging study. <i>Chemical Physics Letters</i> , 2003, 376, 710-716.	2.6	17
84	Two-color reduced-Doppler ion imaging. <i>Journal of Chemical Physics</i> , 2006, 125, 121101.	3.0	17
85	Roaming Dynamics in Formaldehyde-d <sub>2</sub> Dissociation. <i>Journal of Physical Chemistry A</i> , 2009, 113, 15315-15319.	2.5	17
86	Crossed-Beam Imaging of the H Abstraction Channel in the Reaction of CN with 1-Pentene. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2417-2421.	4.6	17
87	Differential Cross Sections for State-to-State Collisions of NO( <i>v</i> = 10) in Near-Copropagating Beams. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2422-2427.	4.6	17
88	The dynamics of electronic to vibrational, rotational, and translational energy transfer in collision of Ba(1P1) with diatomic molecules. <i>Journal of Chemical Physics</i> , 1992, 97, 4094-4103.	3.0	16
89	Crossed-Beam Slice Imaging of Cl Reaction Dynamics with Butene Isomers. <i>Journal of Physical Chemistry A</i> , 2013, 117, 7589-7594.	2.5	16
90	Imaging diffraction oscillations for inelastic collisions of NO radicals with He and D <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2017, 147, 013918.	3.0	16

#	ARTICLE	IF	CITATIONS
91	Isomer-specific kinetics of the C <sup>+</sup> + H <sub>2</sub> O reaction at the temperature of interstellar clouds. <i>Science Advances</i> , 2021, 7, .	10.3	16
92	Conformationally selective photodissociation dynamics of propanal cation. <i>Journal of Chemical Physics</i> , 2011, 134, 054313.	3.0	15
93	Orbiting resonances in formaldehyde reveal coupling of roaming, radical, and molecular channels. <i>Science</i> , 2021, 374, 1122-1127.	12.6	15
94	Reactions of barium atoms with triatomic oxidants. I. Ba+NO <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1992, 96, 6710-6726.	3.0	14
95	Photodissociation and photoelectron imaging of molecular ions: probing multisurface and multichannel dynamics. <i>Chemical Science</i> , 2010, 1, 552.	7.4	14
96	Inelastic Scattering of CO with He: Polarization Dependent Differential State-to-State Cross Sections. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12526-12537.	2.5	14
97	Isomer-specific detection in the UV photodissociation of the propargyl radical by chirped-pulse mm-wave spectroscopy in a pulsed quasi-uniform flow. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5517-5529.	2.8	14
98	Isotope-selective chemistry in the Be <sup>+</sup> ( <sup>2</sup> S <sub>1/2</sub> ) + HOD → BeOD <sup>+</sup> /BeOH <sup>+</sup> + H/D reaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14005-14011.	2.8	14
99	A uniform flow cavity ring-down spectrometer (UF-CRDS): A new setup for spectroscopy and kinetics at low temperature. <i>Journal of Chemical Physics</i> , 2019, 151, 244202.	3.0	13
100	Molecular square dancing in CO-CO collisions. <i>Science</i> , 2020, 369, 307-309.	12.6	13
101	Velocity map imaging mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006, 252, 73-78.	1.5	12
102	Direct versus Indirect Photodissociation of Isoxazole from Product Branching: A Chirped-Pulse Fourier Transform mm-Wave Spectroscopy/Pulsed Uniform Flow Investigation. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7523-7531.	2.5	12
103	Demonstration of multi-hit and multi-mass capability of 3D imaging in a conventional velocity map imaging experiment. <i>Journal of Chemical Physics</i> , 2018, 149, 084202.	3.0	12
104	Novel molecular elimination mechanism in formaldehyde photodissociation: the roaming H atom pathway. <i>Physica Scripta</i> , 2006, 73, C89-C93.	2.5	11
105	PHOTODISSOCIATION DYNAMICS OF METHYLAMINE CATION AND ITS RELEVANCE TO TITAN'S IONOSPHERE. <i>Astrophysical Journal</i> , 2010, 710, 112-116.	4.5	11
106	Spin-polarized hydrogen Rydberg time-of-flight: Experimental measurement of the velocity-dependent H atom spin-polarization. <i>Review of Scientific Instruments</i> , 2014, 85, 053103.	1.3	11
107	A versatile molecular beam apparatus for cold/ultracold collisions. <i>Journal of Chemical Physics</i> , 2020, 152, 184201.	3.0	11
108	Multiphoton processes of CO at 230 nm. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2950.	2.8	10

#	ARTICLE	IF	CITATIONS
109	Direct Extraction of Alignment Moments from Inelastic Scattering Images. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5925-5931.	2.5	10
110	Convenient (1 + 1) probe of S(1D2) and application to photodissociation of carbonyl sulfide at 216.9 nm. <i>Chemical Physics Letters</i> , 2016, 657, 162-166.	2.6	10
111	The reaction dynamics of sodium with ozone. <i>Journal of Chemical Physics</i> , 1992, 97, 2515-2521.	3.0	9
112	Quantum yields and energy partitioning in the ultraviolet photodissociation of 1,2-dibromo-tetrafluoroethane (Halon-2402). <i>Journal of Chemical Physics</i> , 2000, 113, 7149-7157.	3.0	9
113	Doppler-free/Doppler-sliced ion imaging. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4652.	2.8	9
114	DC slice ion imaging of the ultraviolet photodissociation of BrCN. <i>Chemical Physics Letters</i> , 2006, 426, 242-247.	2.6	9
115	Production of O2 Herzberg states in the deep UV photodissociation of ozone. <i>Journal of Chemical Physics</i> , 2009, 131, 011101.	3.0	9
116	UV Photodissociation of Ethylamine Cation: A Combined Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13296-13302.	2.5	9
117	Dynamics of H and D abstraction in the reaction of Cl atom with butane-1,1,1,4,4,4-d6. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8433.	2.8	9
118	Velocity Distribution of Hydrogen Atom Spin Polarization. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3489-3493.	4.6	9
119	A Gaussian-3 Study of the Photodissociation Channels of Propylene Sulfide. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11025-11028.	2.5	8
120	Photodissociation of Spatially Aligned Acetaldehyde Cations. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6741-6745.	2.5	8
121	Photodissociation of heptane isomers and relative ionization efficiencies of butyl and propyl radicals at 157 nm. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4777.	2.8	8
122	Masked Velocity Map Imaging: A One-Laser-Beam Doppler-Free Spectroscopic Technique. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3840-3843.	2.5	8
123	Imaging detection of spin-polarized hydrogen atoms. <i>Chemical Physics Letters</i> , 2015, 635, 350-354.	2.6	8
124	The photodissociation dynamics of tetrachloroethylene. <i>Journal of Chemical Physics</i> , 2011, 134, 164301.	3.0	7
125	Photofragment angular momentum polarization in the photolysis of symmetric top molecules: Production, detection, and rotational depolarization. <i>Chemical Physics</i> , 2012, 399, 162-171.	1.9	7
126	Universal crossed beam imaging studies of polyatomic reaction dynamics. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11126-11138.	2.8	7



#	ARTICLE	IF	CITATIONS
127	Reaction dynamics of Cl + butanol isomers by crossed-beam sliced ion imaging. Faraday Discussions, 2012, 157, 181.	3.2	6
128	Isomer-Specific Mass Spectrometric Detection Via $\sigma$ -Semisoft-Strong-Field Ionization. Journal of Physical Chemistry A, 2013, 117, 11890-11895.	2.5	6
129	Dynamics of Cl + propane, butanes revisited: a crossed beam slice imaging study. Physical Chemistry Chemical Physics, 2014, 16, 414-420.	2.8	6
130	Hot molecules "off the beaten path. Science, 2014, 346, 30-31.	12.6	6
131	Imaging NO elimination in the infrared multiphoton dissociation of nitroalkanes and alkyl nitrites. Chemical Physics Letters, 2016, 645, 76-83.	2.6	6
132	Imaging H abstraction dynamics in crossed molecular beams: $O(^3P) +$ propanol isomers. Physical Chemistry Chemical Physics, 2019, 21, 14186-14194.	2.8	6
133	Coulomb Explosion Dynamics of Chlorocarbonylsulphenyl Chloride. Journal of Physical Chemistry A, 2021, 125, 5481-5489.	2.5	6
134	Uniform supersonic flow sampling for detection by chirped-pulse rotational spectroscopy. Journal of Chemical Physics, 2022, 156, 014202.	3.0	6
135	Collision-induced spin-orbit relaxation of highly vibrationally excited NO near 1 K. Natural Sciences, 2022, 2, e20210074.	2.1	5
136	Experimental and Theoretical Studies of Roaming Dynamics in the Unimolecular Dissociation of $CH_3NO_2$ to $CH_3O + NO$ . Zeitschrift Fur Physikalische Chemie, 2013, , 130708000310008.	2.8	4
137	Strong-Field Ionization of Flash Pyrolysis Reaction Products. Journal of Physical Chemistry A, 2015, 119, 460-467.	2.5	4
138	Does Infrared Multiphoton Dissociation of Vinyl Chloride Yield Cold Vinylidene?. Journal of Physical Chemistry Letters, 2015, 6, 2457-2462.	4.6	4
139	Rydberg Detection of Spin-Polarized Hydrogen Atoms in Chemical Reactions. Journal of the Chinese Chemical Society, 2017, 64, 877-888.	1.4	4
140	Imaging the inelastic scattering of vibrationally excited NO ( $v=1$ ) with Ar. Chemical Physics Letters, 2018, 692, 124-128.	2.6	4
141	H Abstraction Channels in the Crossed-Beam Reaction of F + 1-Propanol, 1-Butene and 1-Hexene by DC Slice Imaging. Journal of Physical Chemistry A, 2016, 120, 8933-8940.	2.5	3
142	Imaging multiphoton ionization and dissociation of rotationally warm CO via the $B^1\Sigma^+$ and $E^1\Sigma^+$ electronic states. Journal of Chemical Physics, 2017, 147, 013906.	3.0	3
143	Mixed transitions in the UV photodissociation of propargyl chloride revealed by slice imaging and multireference ab initio calculations. Physical Chemistry Chemical Physics, 2018, 20, 27474-27481.	2.8	3
144	Photodissociation by Circularly Polarized Light Yields Photofragment Alignment in Ozone Arising Solely from Vibronic Interactions. Physical Review Letters, 2019, 122, 083403.	7.8	3

#	ARTICLE	IF	CITATIONS
145	Imaging inelastic scattering of CO with argon: polarization dependent differential cross sections. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9200-9211.	2.8	3
146	Differential Cross Sections for Cold, State-to-State Spin-Orbit Changing Collisions of NO( <i>v</i> = 0, 1) + O(1D). <i>Journal of Chemical Physics</i> , 2019, 150, 124301.	2.5	3
147	THE DYNAMICS OF HYDROGEN ATOM ABSTRACTION FROM POLYATOMIC MOLECULES. <i>Advanced Series in Physical Chemistry</i> , 2004, , 105-143.	1.5	2
148	Fifty Years of Chemical Reaction Dynamics. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11949-11950.	2.5	2
149	Crossed-beam DC slice imaging of fluorine atom reactions with linear alkanes. <i>Journal of Chemical Physics</i> , 2015, 142, 184309.	3.0	2
150	Imaging the Photodissociation Dynamics of Nitrous Acid (HONO): The Role of Torsion. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7503-7510.	2.5	2
151	Imaging the infrared multiphoton excitation and dissociation of propargyl chloride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1528-1535.	2.8	2
152	Multichannel dynamics in the OH+ n-butane reaction revealed by crossed-beam slice imaging and quasiclassical trajectory calculations. <i>Journal of Chemical Physics</i> , 2020, 153, 014302.	3.0	2
153	Ethylene Intersystem Crossing Caught in the Act by Photofragment Sulfur Atoms. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1712-1719.	2.5	2
154	Coulomb explosion dynamics of methoxycarbonylsulfenyl chloride by 3D multimass imaging. <i>Molecular Physics</i> , 2022, 120, .	1.7	2
155	Radical-Radical Reaction Dynamics Probed Using Millimeterwave Spectroscopy: Propargyl + NH <sub>2</sub> /ND <sub>2</sub> . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 91-97.	4.6	2
156	Infrared multiphoton dissociation of two perfluorobutenes. <i>Journal of Chemical Physics</i> , 1997, 107, 7202-7208.	3.0	1
157	Toward the Study of Astrochemical Reaction Dynamics With Ion Imaging Techniques. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
158	Time of flight mass spectrometry with direct extraction of a uranium plasma. <i>International Journal of Mass Spectrometry</i> , 2019, 445, 116190.	1.5	0
159	HDCO radical dissociation thresholds by velocity map imaging. <i>Molecular Physics</i> , 2021, 119, e1813344.	1.7	0
160	Tribute to Oleg S. Vasylutinskii. <i>Molecular Physics</i> , 2022, 120, .	1.7	0
161	Modern Techniques, Modern Concepts, and Molecules Doing Stuff. <i>ACS Symposium Series</i> , 0, , 333-361.	0.5	0
162	Coherent atomic orbital polarization probes the geometric phase in photodissociation of polyatomic molecules. <i>Natural Sciences</i> , 2022, 2, .	2.1	0