

Arthur G Suits

List of Publications by Year in descending order

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162
papers

5,871
citations

71102

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h-index

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166
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166
times ranked

2637
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb explosion dynamics of methoxycarbonylsulfenyl chloride by 3D multimass imaging. <i>Molecular Physics</i> , 2022, 120, .	1.7	2
2	Collision-induced spin-orbit relaxation of highly vibrationally excited NO near 1 K. <i>Natural Sciences</i> , 2022, 2, e20210074.	2.1	5
3	Uniform supersonic flow sampling for detection by chirped-pulse rotational spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 156, 014202.	3.0	6
4	Radical Radical Reaction Dynamics Probed Using Millimeterwave Spectroscopy: Propargyl + NH ₂ /ND ₂ . <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 91-97.	4.6	2
5	Tribute to Oleg S. Vasyutinskii. <i>Molecular Physics</i> , 2022, 120, .	1.7	0
6	Differential Cross Sections for Cold, State-to-State Spin-Orbit Changing Collisions of NO(<i>v</i> = 1) Tj ETQq 0 0 rgBT /Overlock 10 T	2.5	3
7	Coherent atomic orbital polarization probes the geometric phase in photodissociation of polyatomic molecules. <i>Natural Sciences</i> , 2022, 2, .	2.1	0
8	HDCO radical dissociation thresholds by velocity map imaging. <i>Molecular Physics</i> , 2021, 119, e1813344.	1.7	0
9	Coulomb Explosion Dynamics of Chlorocarbonylsulfenyl Chloride. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5481-5489.	2.5	6
10	Isomer-specific kinetics of the C ⁺ + H ₂ O reaction at the temperature of interstellar clouds. <i>Science Advances</i> , 2021, 7, .	10.3	16
11	Orbiting resonances in formaldehyde reveal coupling of roaming, radical, and molecular channels. <i>Science</i> , 2021, 374, 1122-1127.	12.6	15
12	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
13	Molecular square dancing in CO-CO collisions. <i>Science</i> , 2020, 369, 307-309.	12.6	13
14	State-to-state scattering of highly vibrationally excited NO at broadly tunable energies. <i>Nature Chemistry</i> , 2020, 12, 528-534.	13.6	20
15	A versatile molecular beam apparatus for cold/ultracold collisions. <i>Journal of Chemical Physics</i> , 2020, 152, 184201.	3.0	11
16	Universal crossed beam imaging studies of polyatomic reaction dynamics. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11126-11138.	2.8	7
17	Roaming Reactions and Dynamics in the van der Waals Region. <i>Annual Review of Physical Chemistry</i> , 2020, 71, 77-100.	10.8	54
18	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

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19	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
20	Imaging the infrared multiphoton excitation and dissociation of propargyl chloride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1528-1535.	2.8	2
21	Isotope-selective chemistry in the $\text{Be}^{+}(\text{S}_{1/2}) + \text{HOD} \hat{\rightarrow} \text{BeOD}^{+}/\text{BeOH}^{+} + \text{H/D}$ reaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14005-14011.	2.8	14
22	Imaging H abstraction dynamics in crossed molecular beams: $\text{O}(^3\text{P}) + \text{propanol isomers}$. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14186-14194.	2.8	6
23	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
24	Differential Cross Sections for State-to-State Collisions of $\text{NO}(v=10)$ in Near-Copropagating Beams. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2422-2427.	4.6	17
25	Photodissociation by Circularly Polarized Light Yields Photofragment Alignment in Ozone Arising Solely from Vibronic Interactions. <i>Physical Review Letters</i> , 2019, 122, 083403.	7.8	3
26	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
27	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
28	Intersystem crossing in the exit channel. <i>Nature Chemistry</i> , 2019, 11, 123-128.	13.6	36
29	Imaging the inelastic scattering of vibrationally excited $\text{NO}(v=1)$ with Ar. <i>Chemical Physics Letters</i> , 2018, 692, 124-128.	2.6	4
30	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
31	Mixed transitions in the UV photodissociation of propargyl chloride revealed by slice imaging and multireference ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27474-27481.	2.8	3
32	Invited Review Article: Photofragment imaging. <i>Review of Scientific Instruments</i> , 2018, 89, 111101.	1.3	32
33	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
34	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
35	Optical Control of Reactions between Water and Laser-Cooled Be^{+} Ions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3555-3560.	4.6	37
36	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

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37	Imaging multiphoton ionization and dissociation of rotationally warm CO via the B+ $\hat{1}$ and E $\hat{1}$ electronic states. Journal of Chemical Physics, 2017, 147, 013906.	3.0	3
38	Intrabeam Scattering for Ultracold Collisions. Journal of Physical Chemistry Letters, 2017, 8, 5153-5159.	4.6	37
39	Finite slice analysis (FINA) of sliced and velocity mapped images on a Cartesian grid. Journal of Chemical Physics, 2017, 147, 074201.	3.0	24
40	Imaging the Photodissociation Dynamics of Nitrous Acid (HONO): The Role of Torsion. Journal of Physical Chemistry A, 2017, 121, 7503-7510.	2.5	2
41	Synthesis of mixed hypermetallic oxide BaOCa ⁺ from laser-cooled reagents in an atom-ion hybrid trap. Science, 2017, 357, 1370-1375.	12.6	58
42	Rydberg Detection of Spin-Polarized Hydrogen Atoms in Chemical Reactions. Journal of the Chinese Chemical Society, 2017, 64, 877-888.	1.4	4
43	Imaging diffraction oscillations for inelastic collisions of NO radicals with He and D ₂ . Journal of Chemical Physics, 2017, 147, 013918.	3.0	16
44	Imaging NO elimination in the infrared multiphoton dissociation of nitroalkanes and alkyl nitrites. Chemical Physics Letters, 2016, 645, 76-83.	2.6	6
45	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
46	Convenient (1 + 1) probe of S(1D ₂) and application to photodissociation of carbonyl sulfide at 216.9 nm. Chemical Physics Letters, 2016, 657, 162-166.	2.6	10
47	Fifty Years of Chemical Reaction Dynamics. Journal of Physical Chemistry A, 2015, 119, 11949-11950.	2.5	2
48	Strong-Field Ionization of Flash Pyrolysis Reaction Products. Journal of Physical Chemistry A, 2015, 119, 460-467.	2.5	4
49	Visible/Infrared Dissociation of NO ₃ : Roaming in the Dark or Roaming on the Ground?. Journal of Physical Chemistry A, 2015, 119, 7163-7168.	2.5	18
50	Imaging detection of spin-polarized hydrogen atoms. Chemical Physics Letters, 2015, 635, 350-354.	2.6	8
51	Product Branching in the Low Temperature Reaction of CN with Propyne by Chirped-Pulse Microwave Spectroscopy in a Uniform Supersonic Flow. Journal of Physical Chemistry Letters, 2015, 6, 1599-1604.	4.6	49
52	Does Infrared Multiphoton Dissociation of Vinyl Chloride Yield Cold Vinylidene?. Journal of Physical Chemistry Letters, 2015, 6, 2457-2462.	4.6	4
53	Crossed-beam DC slice imaging of fluorine atom reactions with linear alkanes. Journal of Chemical Physics, 2015, 142, 184309.	3.0	2
54	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

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55	Direct Extraction of Alignment Moments from Inelastic Scattering Images. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5925-5931.	2.5	10
56	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
57	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
58	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
59	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
60	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
61	Roaming dynamics in radical addition-elimination reactions. <i>Nature Communications</i> , 2014, 5, 4064.	12.8	47
62	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
63	Dynamics of Cl + propane, butanes revisited: a crossed beam slice imaging study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 414-420.	2.8	6
64	A Signature of Roaming Dynamics in the Thermal Decomposition of Ethyl Nitrite: Chirped-Pulse Rotational Spectroscopy and Kinetic Modeling. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3641-3648.	4.6	28
65	Dynamics of Chlorine Atom Reactions with Hydrocarbons: Insights from Imaging the Radical Product in Crossed Beams. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9281-9295.	2.5	27
66	Photochemical Dynamics of Ethylene Cation $C_2H_4^+$. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1467-1471.	4.6	32
67	Hot molecules "off the beaten path". <i>Science</i> , 2014, 346, 30-31.	12.6	6
68	Velocity Distribution of Hydrogen Atom Spin Polarization. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3489-3493.	4.6	9
69	Experimental and Theoretical Studies of Roaming Dynamics in the Unimolecular Dissociation of CH_3NO_2 to CH_3O+NO . <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, , 130708000310008.	2.8	4
70	Isomer-Specific Mass Spectrometric Detection Via "Semisoft" Strong-Field Ionization. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11890-11895.	2.5	6
71	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
72	Reaction dynamics of Cl + butanol isomers by crossed-beam sliced ion imaging. <i>Faraday Discussions</i> , 2012, 157, 181.	3.2	6

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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	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
75	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
76	Roaming Radical Reactions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 642-647.	4.6	89
77	Roaming-mediated isomerization in the photodissociation of nitrobenzene. <i>Nature Chemistry</i> , 2011, 3, 932-937.	13.6	110
78	Conformationally selective photodissociation dynamics of propanal cation. <i>Journal of Chemical Physics</i> , 2011, 134, 054313.	3.0	15
79	The photodissociation dynamics of tetrachloroethylene. <i>Journal of Chemical Physics</i> , 2011, 134, 164301.	3.0	7
80	PHOTODISSOCIATION DYNAMICS OF METHYLAMINE CATION AND ITS RELEVANCE TO TITAN'S IONOSPHERE. <i>Astrophysical Journal</i> , 2010, 710, 112-116.	4.5	11
81	Crossed-beam dc slice imaging of chlorine atom reactions with pentane isomers. <i>Journal of Chemical Physics</i> , 2010, 132, 164313.	3.0	21
82	Imaging the dynamics of chlorine atom reactions with alkenes. <i>Journal of Chemical Physics</i> , 2010, 133, 074306.	3.0	24
83	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
84	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
85	Evidence of Roaming Dynamics and Multiple Channels for Molecular Elimination in NO ₃ Photolysis. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2455-2458.	4.6	62
86	Photodissociation and photoelectron imaging of molecular ions: probing multisurface and multichannel dynamics. <i>Chemical Science</i> , 2010, 1, 552.	7.4	14
87	Roaming Dynamics in Formaldehyde-d2 Dissociation. <i>Journal of Physical Chemistry A</i> , 2009, 113, 15315-15319.	2.5	17
88	Production of O2 Herzberg states in the deep UV photodissociation of ozone. <i>Journal of Chemical Physics</i> , 2009, 131, 011101.	3.0	9
89	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
90	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

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91	Further aspects of the roaming mechanism in formaldehyde dissociation. <i>Chemical Physics</i> , 2008, 347, 288-299.	1.9	45
92	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
93	Imaging Atomic Orbital Polarization in Photodissociation. <i>Chemical Reviews</i> , 2008, 108, 3706-3746.	47.7	69
94	Roaming Atoms and Radicals: A New Mechanism in Molecular Dissociation. <i>Accounts of Chemical Research</i> , 2008, 41, 873-881.	15.6	221
95	Dynamics of CN+alkane reactions by crossed-beam dc slice imaging. <i>Journal of Chemical Physics</i> , 2008, 129, 074301.	3.0	26
96	State-correlated DC slice imaging of formaldehyde photodissociation: roaming atoms and multichannel branching. <i>International Reviews in Physical Chemistry</i> , 2007, 26, 585-607.	2.3	32
97	Conformationally Controlled Chemistry: Excited-State Dynamics Dictate Ground-State Reaction. <i>Science</i> , 2007, 315, 1561-1565.	12.6	100
98	Photodissociation of Spatially Aligned Acetaldehyde Cations. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6741-6745.	2.5	8
99	Doppler-free/Doppler-sliced ion imaging. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4652.	2.8	9
100	Multiphoton processes of CO at 230 nm. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2950.	2.8	10
101	Toward the Study of Astrochemical Reaction Dynamics With Ion Imaging Techniques. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
102	DC slice ion imaging of the ultraviolet photodissociation of BrCN. <i>Chemical Physics Letters</i> , 2006, 426, 242-247.	2.6	9
103	ION PAIR DISSOCIATION: Spectroscopy and Dynamics. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 431-465.	10.8	56
104	Velocity map imaging mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006, 252, 73-78.	1.5	12
105	Novel molecular elimination mechanism in formaldehyde photodissociation: the roaming H atom pathway. <i>Physica Scripta</i> , 2006, 73, C89-C93.	2.5	11
106	Rotationally resolved reactive scattering: Imaging detailed Cl+C ₂ H ₆ reaction dynamics. <i>Journal of Chemical Physics</i> , 2006, 125, 133107.	3.0	37
107	Two-color reduced-Doppler ion imaging. <i>Journal of Chemical Physics</i> , 2006, 125, 121101.	3.0	17
108	S(D ₂₁) 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

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109	The roaming atom pathway in formaldehyde decomposition. <i>Journal of Chemical Physics</i> , 2006, 125, 044303.	3.0	83
110	Correlated product distributions from ketene dissociation measured by dc sliced ion imaging. <i>Journal of Chemical Physics</i> , 2006, 124, 014303.	3.0	33
111	State-resolved reactive scattering by slice imaging: A new view of the Cl+C ₂ H ₆ reaction. <i>Journal of Chemical Physics</i> , 2006, 124, 011102.	3.0	35
112	Megapixel ion imaging with standard video. <i>Review of Scientific Instruments</i> , 2005, 76, 063106.	1.3	148
113	Reflectron velocity map ion imaging. <i>Review of Scientific Instruments</i> , 2005, 76, 104101.	1.3	28
114	O(1D ₂) orbital orientation in the ultraviolet photodissociation of ozone. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1650.	2.8	41
115	Universal and State-Resolved Imaging of Chemical Dynamics. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8661-8674.	2.5	50
116	Superexcited State Dynamics Probed with an Extreme-Ultraviolet Free Electron Laser. <i>Physical Review Letters</i> , 2004, 92, 083002.	7.8	32
117	Orbital polarization from DC slice imaging: S(1D ₂) alignment in the photodissociation of ethylene sulfide. <i>Chemical Physics</i> , 2004, 301, 197-208.	1.9	24
118	Probing of the hot-band excitations in the photodissociation of OCS at 288 nm by DC slice imaging. <i>Canadian Journal of Chemistry</i> , 2004, 82, 880-884.	1.1	26
119	THE DYNAMICS OF HYDROGEN ATOM ABSTRACTION FROM POLYATOMIC MOLECULES. <i>Advanced Series in Physical Chemistry</i> , 2004, , 105-143.	1.5	2
120	The Roaming Atom: Straying from the Reaction Path in Formaldehyde Decomposition. <i>Science</i> , 2004, 306, 1158-1161.	12.6	538
121	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
122	Direct current slice imaging. <i>Review of Scientific Instruments</i> , 2003, 74, 2530-2539.	1.3	366
123	Differential cross sections for O(3P)+alkane reactions by direct imaging. <i>Journal of Chemical Physics</i> , 2002, 116, 5341-5344.	3.0	31
124	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
125	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
126	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

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127	Ion pair imaging spectroscopy: $\text{CH}_3\text{Cl}^+\text{CH}_3+\text{Cl}^-$. Chemical Physics Letters, 2001, 339, 203-208.	2.6	21
128	"Heavy Electron" Photoelectron Spectroscopy: Rotationally Resolved Ion Pair Imaging of CH_3+ . Science, 2001, 294, 2527-2529.	12.6	47
129	Photofragment translational spectroscopy with state-selective π -universal detection: The ultraviolet photodissociation of CS_2 . Journal of Chemical Physics, 2000, 112, 5301-5307.	3.0	28
130	Quantum yields and energy partitioning in the ultraviolet photodissociation of 1,2-dibromo-tetrafluoroethane (Halon-2402). Journal of Chemical Physics, 2000, 113, 7149-7157.	3.0	9
131	Evidence of triplet ethylene produced from photodissociation of ethylene sulfide. Journal of Chemical Physics, 2000, 112, 10707-10710.	3.0	27
132	Imaging H abstraction dynamics in crossed molecular beams: $\text{Cl}+\text{ROH}$ reactions. Physical Chemistry Chemical Physics, 2000, 2, 861-868.	2.8	58
133	Primary and Secondary Processes in the Photodissociation of CHBr_3 . Journal of Physical Chemistry A, 2000, 104, 10085-10091.	2.5	59
134	Ultraviolet photodissociation of furan probed by tunable synchrotron radiation. Journal of Chemical Physics, 1999, 111, 100-107.	3.0	37
135	Discrimination of product isomers in the photodissociation of propyne and allene at 193 nm. Journal of Chemical Physics, 1999, 110, 4363-4368.	3.0	57
136	Imaging the alignment angular distribution: State symmetries, coherence effects, and nonadiabatic interactions in photodissociation. Journal of Chemical Physics, 1999, 110, 6749-6765.	3.0	130
137	Crossed-beam reaction of $\text{O}(1\text{D})+\text{D}_2^+\text{OD}+\text{D}$ by velocity map imaging. Chemical Physics Letters, 1999, 301, 372-378.	2.6	67
138	Dissociative photoionization dynamics of SF_6 by ion imaging with synchrotron undulator radiation. Chemical Physics Letters, 1999, 312, 108-114.	2.6	31
139	Photodissociation of acrylonitrile at 193 nm: A photofragment translational spectroscopy study using synchrotron radiation for product photoionization. Journal of Chemical Physics, 1998, 108, 5784-5794.	3.0	35
140	Observation of Coherent and Incoherent Dissociation Mechanisms in the Angular Distribution of Atomic Photofragment Alignment. Physical Review Letters, 1998, 80, 1626-1629.	7.8	82
141	Primary and secondary processes in the 193 nm photodissociation of vinyl chloride. Journal of Chemical Physics, 1998, 108, 5414-5425.	3.0	101
142	Unraveling the dissociation of dimethyl sulfoxide following absorption at 193 nm. Journal of Chemical Physics, 1997, 106, 539-550.	3.0	37
143	Crossed-beam reaction of carbon atoms with hydrocarbon molecules. III: Chemical dynamics of propynylidyne ($\text{l-C}_3\text{H}$) and cyclopropynylidyne ($\text{c-C}_3\text{H}$) formation from reaction of $\text{C}(3\text{P}_j)$ with C_2H_2 acetylene, $\text{C}_2\text{H}_2(\text{g}^+)$. Journal of Chemical Physics, 1997, 106, 1729-1741.	3.0	84
144	Crossed beam reaction of atomic carbon, $\text{C}(3\text{P}_j)$, with the propargyl radical, $\text{C}_3\text{H}_3(\text{g}^+)$: Observation of diacetylene, $\text{C}_4\text{H}_2(\text{g}^+)$. Journal of Chemical Physics, 1997, 107, 8713-8716.	3.0	46

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145	Infrared multiphoton dissociation of two perfluorobutenes. <i>Journal of Chemical Physics</i> , 1997, 107, 7202-7208.	3.0	1
146	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
147	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
148	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
149	A Combined Experimental and Theoretical Study on the Formation of Interstellar C ₃ H Isomers. <i>Science</i> , 1996, 274, 1508-1511.	12.6	147
150	Crossed-beam reaction of C(3P _j) with C ₂ H ₂ (1 \hat{a} ~+g): Observation of tricarbon \hat{a} ~hydride C ₃ H. <i>Journal of Chemical Physics</i> , 1995, 103, 10395-10398.	3.0	60
151	A high-intensity, pulsed supersonic carbon source with C(3P _j) kinetic energies of 0.08 \hat{a} ~0.7 eV for crossed beam experiments. <i>Review of Scientific Instruments</i> , 1995, 66, 5405-5411.	1.3	69
152	The "Ozone Deficit" Problem: O ₂ (X, v ge 26) + O(3P) from 226-nm Ozone Photodissociation. <i>Science</i> , 1994, 265, 1831-1838.	12.6	179
153	Photofragment vector correlations by ion imaging: O ₂ [a ¹ 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
154	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
155	State specific reactions of Ba(1S ₀) and Ba(1D ₂) with water and methanol. <i>Journal of Chemical Physics</i> , 1993, 98, 9595-9609.	3.0	27
156	The reaction dynamics of sodium with ozone. <i>Journal of Chemical Physics</i> , 1992, 97, 2515-2521.	3.0	9
157	Reactions of barium atoms with triatomic oxidants. I. Ba+NO ₂ . <i>Journal of Chemical Physics</i> , 1992, 96, 6710-6726.	3.0	14
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