

# Kopin Liu

## List of Publications by Year in descending order

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163  
papers

8,396  
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32410

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60403

85  
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169  
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169  
docs citations

169  
times ranked

2205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fermi-phase-induced interference in the reaction between Cl and vibrationally excited CH <sub>3</sub> D. Nature Chemistry, 2022, , .	6.6	8
2	Imaging the Mode-Specificity in Cl + CH <sub>3</sub> D( <i>v</i> <sub>1</sub> = 1, <i>v</i> <sub>2</sub> = 1), Tj ETQq0 0 0 rgBT /Overlock of Physical Chemistry A, 2022, 126, 2825-2831.	1.1	3
3	Time-Resolved Pair-Correlated Imaging of the Photodissociation of Acetaldehyde at 267 nm: Pathway Partitioning. Journal of Physical Chemistry A, 2021, 125, 6450-6460.	1.1	4
4	Pair-Correlated Imaging of Cl + CH <sub>3</sub> D( <i>v</i> <sub>4</sub> = 1, <i>v</i> <sub>1</sub> = 1), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 of Physical Chemistry A, 2021, 125, 6731-6738.	1.1	6
5	Reactive resonance and the role of electron angular momentum. Innovation(China), 2021, 2, 100136.	5.2	0
6	Direct observation of reactive rainbow in F + CH <sub>3</sub> D → CH <sub>3</sub> (00) + DF( <i>v</i> = 4). Molecular Physics, 2021, 119, e1766706.	0.8	5
7	From Reactive Rainbow to Dynamic Resonance Well. Journal of Physical Chemistry Letters, 2020, 11, 9446-9452.	2.1	4
8	Multifaceted Stereoselectivity in Polyatomic Reactions. Journal of Physical Chemistry A, 2020, 124, 6573-6584.	1.1	9
9	Real-time tracking of the entangled pathways in the multichannel photodissociation of acetaldehyde. Chemical Science, 2020, 11, 6423-6430.	3.7	12
10	Active stereo-control of the Cl + CH <sub>4</sub> ( <i>v</i> <sub>3</sub> = 1) reaction: a three-dimensional perspective. Physical Chemistry Chemical Physics, 2020, 22, 10949-10956.	1.3	6
11	Imaging pair-correlated reaction cross sections in F + CH <sub>3</sub> D( <i>v</i> <sub>b</sub> = 0, 1) → CH <sub>2</sub> D( <i>v</i> <sub>4</sub> = 1) + HF( <i>v</i> ). Physical Chemistry Chemical Physics, 2019, 21, 13934-13942.	1.3	5
12	Benchmarking the polyatomic reaction dynamics of X+methane. Chinese Journal of Chemical Physics, 2019, 32, 1-10.	0.6	8
13	Effects of Stretching Excitations in Cl + CH <sub>3</sub> D( <i>v</i> <sub>4</sub> = 1), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 Journal of Physical Chemistry A, 2019, 123, 1514-1520.	1.1	7
14	Imaging spectroscopy of the missing REMPI bands of methyl radicals: Final touches on all vibrational frequencies of the 3 <i>p</i> Rydberg states. Journal of Chemical Physics, 2018, 148, 014303.	1.2	12
15	Imaging a Resonance-Dominant Polyatomic Reaction: F + CH <sub>3</sub> D( <i>v</i> <sub>2</sub> = 2) + DF( <i>v</i> ). Journal of Physical Chemistry Letters, 2018, 9, 5502-5507.	2.1	6
16	Rotational-mode specific effects on the stereo-requirement in the reaction of prealigned-CHD <sub>3</sub> ( <i>v</i> <sub>1</sub> = 1); Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 26	1.2	4
17	Direct mapping of the angle-dependent barrier to reaction for Cl + CHD <sub>3</sub> using polarized scattering data. Nature Chemistry, 2017, 9, 1175-1180.	6.6	37
18	Imaging characterization of the rapid adiabatic passage in a source-rotatable, crossed-beam scattering experiment. Journal of Chemical Physics, 2017, 147, 013928.	1.2	7

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19	Crossed beam polyatomic reaction dynamics: recent advances and new insights. <i>Chemical Society Reviews</i> , 2017, 46, 7517-7547.	18.7	70
20	Differential steric effects in Cl reactions with aligned CHD <sub>3</sub> ( $v=1$ ) by the R(0) and Q(1) transitions. I. Attacking the excited C-H bond. <i>Journal of Chemical Physics</i> , 2016, 145, 144305.	1.2	17
21	Differential steric effects in Cl reactions with aligned CHD <sub>3</sub> ( $v=1$ ) by the R(0) and Q(1) transitions. II. Abstracting the unexcited D-atoms. <i>Journal of Chemical Physics</i> , 2016, 145, 144306.	1.2	13
22	Control of chemical reactivity by transition-state and beyond. <i>Chemical Science</i> , 2016, 7, 3992-4003.	3.7	78
23	Observation of a Reactive Rainbow in F + CH <sub>3</sub> D → CH <sub>2</sub> D( $v=0$ ) + HF( $v=3$ )?. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6712-6718.	1.1	13
24	Vibrational Control of Bimolecular Reactions with Methane by Mode, Bond, and Stereo Selectivity. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 91-111.	4.8	92
25	Rotational Mode Specificity in Cl + CH <sub>4</sub> ( $v=1,  j_N $ ): Role of Reactant's Vibrational Angular Momentum. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4799-4804.	1.1	13
26	Imaging the Effect of Reactant Rotations on the Dynamics of the Cl + CHD <sub>3</sub> ( $v=1,  j_N ,  j_K $ ) Reaction. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11983-11988.	1.1	22
27	Perspective: Vibrational-induced steric effects in bimolecular reactions. <i>Journal of Chemical Physics</i> , 2015, 142, 080901.	1.2	50
28	Correlated Dynamics of the O( <sup>3</sup> P) + CHD <sub>3</sub> ( $v=0$ ) Reaction: A Joint Crossed-Beam and Quasiclassical Trajectory Study. <i>Journal of Physical Chemistry A</i> , 2015, 119, 7190-7196.	1.1	13
29	Rotational mode specificity in the Cl + CHD <sub>3</sub> → HCl + CD <sub>3</sub> reaction. <i>Journal of Chemical Physics</i> , 2014, 141, 074310.	1.2	75
30	Communication: Imaging the effects of the antisymmetric-stretching excitation in the O(3P) + CH <sub>4</sub> ( $v=1$ ) reaction. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3878-3883.	1.2	19
31	Imaging the Stereodynamics of Cl + CH <sub>4</sub> ( $v=1$ ): Polarization Dependence on the Rotational Branch and the Hyperfine Depolarization. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3878-3883.	2.1	8
32	On the signal depletion induced by stretching excitation of methane in the reaction with the F atom. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 444-452.	1.3	26
33	How to measure a complete set of polarization-dependent differential cross sections in a scattering experiment with aligned reagents?. <i>Journal of Chemical Physics</i> , 2014, 140, 084202.	1.2	27
34	Imaging the Effects of Bend-Excitation in the F + CD <sub>4</sub> ( $v=0,1$ ) → DF + CD <sub>3</sub> ( $v=2,1,2$ ) Reactions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 8536-8544.	1.1	24
35	Crossed-beam and reduced dimensionality studies of the state-to-state integral cross sections of the Cl+CHD <sub>3</sub> ( $v$ ) → HCl( $v=2$ )+CD <sub>3</sub> reaction. <i>Chemical Physics Letters</i> , 2013, 587, 88-92.	1.2	9
36	Vibrational Enhancement Factor of the Cl + CHD <sub>3</sub> ( $v=1$ ) Reaction: Rotational-Probe Effects. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 323-327.	2.1	58

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37	Steric Effects in the Cl+CHD <sub>3</sub> ( <i>v</i> <sub>1</sub> =1) Reaction. Chinese Journal of Chemical Physics, 2013, 26, 705-709.	0.6	17
38	Translational energy dependence of the Cl+CH <sub>4</sub> ( <i>v</i> <sub>0</sub> =0, <i>v</i> <sub>1</sub> ) reactions: a joint crossed-beam and quasiclassical trajectory study. Molecular Physics, 2012, 110, 1617-1626.	0.8	32
39	Quantum-State Resolved Bimolecular Collisions of Velocity-Controlled OH with NO Radicals. Science, 2012, 338, 1060-1063.	6.0	114
40	Imaging the effects of the antisymmetric stretch excitation of CH <sub>4</sub> in the reaction with F atom. Faraday Discussions, 2012, 157, 89.	1.6	30
41	Revealing the stereospecific chemistry of the reaction of Cl with aligned CHD <sub>3</sub> ( <i>i</i> <sub>1/2</sub> 1Å=1). Nature Chemistry, 2012, 4, 636-641.	6.6	73
42	Experimental Signatures for a Resonance-Mediated Reaction of Bend-Excited CD <sub>4</sub> ( <i>v</i> <sub>b</sub> =1) with Fluorine Atoms. Journal of Physical Chemistry Letters, 2011, 2, 1421-1425.	2.1	23
43	Imaging the Reaction Dynamics of O( <sup>3</sup> P)+CH <sub>4</sub> →OH+CH <sub>3</sub> . Chemistry - an Asian Journal, 2011, 6, 3132-3136.	1.7	29
44	Steric Control of the Reaction of CH Stretch-Excited CHD <sub>3</sub> with Chlorine Atom. Science, 2011, 331, 900-903.	6.0	120
45	Imaging the nature of the mode-specific chemistry in the reaction of Cl atom with antisymmetric stretch-excited CH <sub>4</sub> . Journal of Chemical Physics, 2010, 133, 124304.	1.2	33
46	Communication: Experimental and theoretical investigations of the effects of the reactant bending excitations in the F+CHD <sub>3</sub> reaction. Journal of Chemical Physics, 2010, 133, 131101.	1.2	46
47	Deciphering the nature of the reactive resonance in F + CHD <sub>3</sub> : correlated differential cross-sections of the two isotopic channels. Molecular Physics, 2010, 108, 957-968.	0.8	23
48	Enlarging the reactive cone of acceptance by exciting the C-H bond in the O(3P) + CHD <sub>3</sub> reaction. Chemical Science, 2010, 1, 126.	3.7	69
49	Uncovering a Spectrally Hidden REMPI Band of CD <sub>3</sub> by Ion Imaging Spectroscopy of the Products of the Cl + CHD <sub>3</sub> (1 <sub>1</sub> 3 <sub>1</sub> ) Reaction. Journal of Physical Chemistry A, 2009, 113, 4249-4254.	1.1	6
50	CH Stretching Excitation in the Early Barrier F + CHD <sub>3</sub> Reaction Inhibits CH Bond Cleavage. Science, 2009, 325, 303-306.	6.0	215
51	IR-UV Double-Resonance of Methyl Radicals and a Determination of the Detection Sensitivity of REMPI Bands. Journal of Physical Chemistry A, 2009, 113, 13133-13138.	1.1	19
52	Integral and differential cross sections for the S(1D)+HD reaction employing the ground adiabatic electronic state. Physical Chemistry Chemical Physics, 2009, 11, 11587.	1.3	36
53	Mode Specificity in Reactions of Cl with CH <sub>2</sub> Stretch-Excited CH <sub>2</sub> D <sub>2</sub> ( <i>i</i> <sub>1</sub> , <i>i</i> <sub>6</sub> = 1). Journal of Physical Chemistry A, 2009, 113, 14270-14276.	1.1	24
54	Tracking the energy flow along the reaction path. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12667-12672.	3.3	116

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55	Unravelling the reactivity of antisymmetric stretch-excited CH <sub>4</sub> with Cl by-product pair-correlation measurements. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4378.	1.3	23
56	A simple yet effective multipass reflector for vibrational excitation in molecular beams. <i>Review of Scientific Instruments</i> , 2008, 79, 033105.	0.6	38
57	Imaging the pair-correlated dynamics and isotope effects of the Cl+CH <sub>2</sub> D <sub>2</sub> reaction. <i>Journal of Chemical Physics</i> , 2008, 129, 154302.	1.2	33
58	Anisotropies of photoelectron angular distribution in the vicinity of autoionization resonances. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 225001.	0.6	16
59	On the use of photoelectron spectroscopy to probe the dynamics of a dissociative intermediate state. <i>Molecular Physics</i> , 2008, 106, 405-418.	0.8	4
60	Do Vibrational Excitations of CHD <sub>3</sub> Preferentially Promote Reactivity Toward the Chlorine Atom?. <i>Science</i> , 2007, 316, 1723-1726.	6.0	254
61	Pair-correlated Dynamics of Cl+CHD <sub>3</sub> (v <sub>1</sub> =1) Reaction: Effects of Probe Laser Frequency. <i>Chinese Journal of Chemical Physics</i> , 2007, 20, 333-338.	0.6	14
62	Product pair correlation in bimolecular reactions. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 17-30.	1.3	65
63	Disentangling mode-specific reaction dynamics from overlapped images. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 250-254.	1.3	27
64	Unraveling Multicomponent Images by Extended Cross Correlation Analysis. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9263-9268.	1.1	20
65	Photoelectron Imaging of Atomic Iodine Following A-Band Photolysis of CH <sub>3</sub> I. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6813-6821.	1.1	17
66	Crossed-Beam and Quantum Dynamics Studies of the Reaction Cl + CHD <sub>3</sub> . <i>Israel Journal of Chemistry</i> , 2007, 47, 1-9.	1.0	22
67	A crossed-beam study of the F+HD <sup>+</sup> DF+H reaction: The direct scattering channel. <i>Journal of Chemical Physics</i> , 2006, 124, 224312.	1.2	13
68	State-correlation matrix of the product pair from F + CD <sub>4</sub> <sup>+</sup> DF( <sup>1</sup> / <sub>2</sub> ε <sup>2</sup> ) + CD <sub>3</sub> (0 v <sub>2</sub> 0). <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3000-3006.	1.3	36
69	A crossed-beam study of the F+HD <sup>+</sup> HF+D reaction: The resonance-mediated channel. <i>Journal of Chemical Physics</i> , 2006, 125, 133106.	1.2	46
70	Rotationally selected product pair correlation: F+CD <sub>4</sub> <sup>+</sup> DF( <sup>1</sup> / <sub>2</sub> ε <sup>2</sup> )+CD <sub>3</sub> ( <sup>1</sup> / <sub>2</sub> 2=0and2,N). <i>Journal of Chemical Physics</i> , 2006, 124, 104309.	1.2	43
71	A photodissociation study of CH <sub>2</sub> BrCl in the A-band using the time-sliced ion velocity imaging method. <i>Journal of Chemical Physics</i> , 2006, 124, 034309.	1.2	48
72	Recent advances in crossed-beam studies of bimolecular reactions. <i>Journal of Chemical Physics</i> , 2006, 125, 132307.	1.2	47

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73	Mode correlation of product pairs in the reaction $\text{OH} + \text{CD}_4 \rightarrow \text{HOD} + \text{CD}_3$ . Journal of Chemical Physics, 2005, 122, 131102.	1.2	49
74	Imaging the $\nu_2$ bands in the resonance-enhanced multiphoton ionization detection of methyl radical. Journal of Chemical Physics, 2005, 122, 104310.	1.2	41
75	Imaging a reactive resonance in the $\text{Cl} + \text{CH}_4$ reaction. Journal of Chemical Physics, 2005, 122, 101102.	1.2	91
76	Imaging the Mode-Selected Predissociation of $\text{OCS} + [(\nu_1\nu_2\nu_3)\text{B}]_f^2[\Sigma^+]$ . Journal of Physical Chemistry A, 2005, 109, 1022-1025.	1.1	24
77	How Active Is the Bend Excitation of Methane in the Reaction with $\text{O}(^3\text{P})$ ?. Journal of Physical Chemistry A, 2005, 109, 6791-6795.	1.1	55
78	Imaging the Reaction Dynamics of $\text{OH} + \text{CD}_4$ . 2. Translational Energy Dependencies. Journal of Physical Chemistry A, 2005, 109, 8983-8988.	1.1	45
79	Imaging the isotope effects in the ground state reaction of $\text{Cl} + \text{CH}_4$ and $\text{CD}_4$ . Molecular Physics, 2005, 103, 1757-1763.	0.8	60
80	Imaging the Reaction Dynamics of $\text{OH} + \text{CD}_4$ . 3. Isotope Effects. Journal of Physical Chemistry A, 2005, 109, 8989-8993.	1.1	38
81	Imaging the pair-correlated excitation function: The $\text{F} + \text{CH}_4 \rightarrow \text{HF}(\nu_2) + \text{CH}_3(\hat{1}\frac{1}{2}=0)$ reaction. Journal of Chemical Physics, 2004, 120, 117-122.	1.2	82
82	Reactive Resonance in a Polyatomic Reaction. Physical Review Letters, 2004, 92, 103201.	2.9	136
83	A resonance-mediated non-adiabatic reaction: $\text{F}^*(2\text{P}_{1/2}) + \text{HD} \rightarrow \text{HF}(\nu_2) + \text{D}$ . Faraday Discuss, 2004, 128, 49-57.	1.6	23
84	Observation of a reactive resonance in the integral cross section of a six-atom reaction: $\text{F} + \text{CHD}_3$ . Journal of Chemical Physics, 2004, 121, 813-818.	1.2	76
85	Rotationally selected product pair correlation in $\text{F} + \text{CD}_4 \rightarrow \text{DF}(\hat{1}\frac{1}{2}) + \text{CD}_3(\hat{1}\frac{1}{2}=0, \text{N})$ . Journal of Chemical Physics, 2004, 120, 5863-5866.	1.2	52
86	On the $\text{Cl}^*(2\text{P}_{1/2})$ Reactivity and the Effect of Bend Excitation in the $\text{Cl} + \text{CH}_4/\text{CD}_4$ Reactions. Journal of Physical Chemistry A, 2004, 108, 7832-7836.	1.1	80
87	DOPPLER-SELECTED TIME-OF-FLIGHT TECHNIQUE: A VERSATILE THREE-DIMENSIONAL VELOCITY MAPPING APPROACH. Advanced Series in Physical Chemistry, 2004, , 1-42.	1.5	2
88	Application of time-sliced ion velocity imaging to crossed molecular beam experiments. Review of Scientific Instruments, 2003, 74, 2495-2500.	0.6	312
89	State-Specific Correlation of Coincident Product Pairs in the $\text{F} + \text{CD}_4$ Reaction. Science, 2003, 300, 966-969.	6.0	225
90	Mode-correlated product pairs in the $\text{F} + \text{CHD}_3 \rightarrow \text{DF} + \text{CHD}_2$ reaction. Journal of Chemical Physics, 2003, 119, 8289-8296.	1.2	68

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91	Insights into dynamics of the F+CD <sub>4</sub> reaction via product pair correlation. Journal of Chemical Physics, 2003, 119, 4997-5000.	1.2	68
92	Crossed-beam scattering of F+CD <sub>4</sub> →DF+CD <sub>3</sub> ( $\hat{1}/2NK$ ): The integral cross sections. Journal of Chemical Physics, 2003, 119, 2538-2544.	1.2	105
93	Resonances in bimolecular reactions. PhysChemComm, 2002, 5, 27.	0.8	39
94	Reaction dynamics of F+HD→HF+D at low energies: Resonant tunneling mechanism. Journal of Chemical Physics, 2002, 116, 7839-7848.	1.2	65
95	CROSSED-BEAM STUDIES OF NEUTRAL REACTIONS: State-Specific Differential Cross Sections. Annual Review of Physical Chemistry, 2001, 52, 139-164.	4.8	211
96	Excitation functions of elementary chemical reactions: A direct link from crossed-beam dynamics to thermal kinetics?. International Reviews in Physical Chemistry, 2001, 20, 189-217.	0.9	82
97	Direct determination of the spin-orbit reactivity in Cl(2P <sub>3/2</sub> , 2P <sub>1/2</sub> )+H <sub>2</sub> /D <sub>2</sub> /HD reactions. Journal of Chemical Physics, 2001, 115, 1197-1204.	1.2	77
98	Collisional Energy Dependence of Insertion Dynamics: State-Resolved Angular Distributions for S(1D)+D <sub>2</sub> →SD+D., 2001, , 543-553.		0
99	Direct mapping of insertion reaction dynamics: S(1D)+H <sub>2</sub> →SH+H. Applied Physics B: Lasers and Optics, 2000, 71, 627-633.	1.1	59
100	Observation of a transition state resonance in the integral cross section of the F+HD reaction. Journal of Chemical Physics, 2000, 112, 4536-4552.	1.2	183
101	Vacuum ultraviolet photochemistry of CH <sub>4</sub> and isotopomers. II. Product channel fields and absorption spectra. Journal of Chemical Physics, 2000, 113, 4146-4152.	1.2	69
102	Reactive excitation functions for F+p-H <sub>2</sub> /n-H <sub>2</sub> /D <sub>2</sub> and the vibrational branching for F+HD. Journal of Chemical Physics, 2000, 113, 3633-3640.	1.2	110
103	Resonance-Mediated Chemical Reaction: F+HD→HF+D. Physical Review Letters, 2000, 85, 1206-1209.	2.9	246
104	A crossed-beam study of the reaction O(1D)+D <sub>2</sub> : Collisional energy dependence of differential cross-section. Physical Chemistry Chemical Physics, 2000, 2, 581-587.	1.3	30
105	Reaction dynamics of O(1D)+HD. I. The insertion pathway. Journal of Chemical Physics, 1999, 111, 7921-7930.	1.2	64
106	Effect of reagent rotation in O(1D)+H <sub>2</sub> (v=0, j): A sensitive probe of the accuracy of the ab initio excited surfaces?. Journal of Chemical Physics, 1999, 111, 4351-4352.	1.2	26
107	Reaction dynamics of O(1D)+HD. II. Effects of excited surfaces. Journal of Chemical Physics, 1999, 111, 7931-7944.	1.2	59
108	State-specific excitation function for Cl(2P)+H <sub>2</sub> (v=0, j): Effects of spin-orbit and rotational states. Journal of Chemical Physics, 1999, 110, 8229-8232.	1.2	70

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109	Exploring the spin-orbit reactivity in the simplest chlorine atom reaction. Journal of Chemical Physics, 1999, 111, 6253-6259.	1.2	88
110	On the H-atom formation after Lyman- $\alpha$ excitation of CHF <sub>2</sub> Cl. Chemical Physics Letters, 1999, 307, 385-390.	1.2	8
111	van der Waals Interactions in the Cl + HD Reaction. Science, 1999, 286, 1713-1716.	6.0	287
112	Isotope effects and excitation functions for the reactions of S(1D)+H <sub>2</sub> , D <sub>2</sub> and HD. Chemical Physics Letters, 1998, 290, 323-328.	1.2	94
113	VUV photochemistry of CH <sub>4</sub> and isotopomers. I. Dynamics and dissociation pathway of the H/D-atom elimination channel. Journal of Chemical Physics, 1998, 109, 7105-7112.	1.2	49
114	Exploring Insertion Reaction Dynamics: A Case Study of S(1D) + D <sub>2</sub> → SD + D. Journal of Physical Chemistry A, 1998, 102, 8637-8640.	1.1	70
115	Correlated photofragmentations. , 1998, , .		0
116	Product state(s)-resolved differential cross section of the reaction O(1D)+HD → OH(v,j)+D. Journal of Chemical Physics, 1997, 107, 1664-1667.	1.2	77
117	Experimental and theoretical angular and translational energy distributions for the reaction CN+D <sub>2</sub> → DCN+D. Journal of Chemical Physics, 1997, 107, 7869-7875.	1.2	33
118	Reaction dynamics of O(1D)+H <sub>2</sub> , D <sub>2</sub> , and HD: Direct evidence for the elusive abstraction pathway and the estimation of its branching. Journal of Chemical Physics, 1997, 107, 2351-2356.	1.2	118
119	Photodissociation Dynamics of C <sub>2</sub> H <sub>2</sub> , C <sub>2</sub> D <sub>2</sub> , and C <sub>2</sub> HD at 121.6 nm. Journal of Physical Chemistry A, 1997, 101, 6593-6602.	1.1	56
120	Photodissociation of NO <sub>2</sub> at 355 nm: pair correlation. Chemical Physics Letters, 1997, 277, 33-38.	1.2	25
121	Reactive scattering of CN + D <sub>2</sub> : the stereodynamics. Chemical Physics, 1996, 207, 367-378.	0.9	30
122	Direct mapping of vibrational-specific angular distributions of the polyatomic reaction product: CN+D <sub>2</sub> → DCN+D. Journal of Chemical Physics, 1996, 105, 3332-3335.	1.2	31
123	Photodissociative Pathways of C <sub>2</sub> H <sub>2</sub> at 121.6 nm Revealed by a Doppler-Selected Time-of-Flight (a 3-D) Tj ETQq1 1 0.784314 jgBT /Over	0.9	29
124	A crossed-beam study of the reaction of CN + D <sub>2</sub> . Is CN really a spectator bond?. Chemical Physics Letters, 1995, 243, 290-296.	1.2	28
125	Reactive scattering of O(1D)+HD: Product speed and angle distributions. Journal of Chemical Physics, 1995, 103, 5164-5167.	1.2	83
126	Rotationally inelastic scattering of NCO(X <sup>1</sup> Σ <sup>+</sup> ) + Ar: Mass effects. Journal of Chemical Physics, 1995, 103, 8492-8500.	1.2	7



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127	Differential cross sections for fine structure transitions in O(3P2)+Ar collisions. Journal of Chemical Physics, 1994, 100, 8026-8039.	1.2	34

128	Crossed-beam studies of radical reaction dynamics:. Canadian Journal of Chemistry, 1994, 72, 660-672.	0.6	26
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145	The Chemistry Of Isolated Transition Metal Clusters. , 1986, 0669, 120.		0
146	State-to-state vibrational excitation of I <sub>2</sub> in collisions with H <sub>2</sub> and D <sub>2</sub> . Journal of Chemical Physics, 1986, 84, 1402-1407.	1.2	17
147	Gas phase reactions of iron clusters with hydrogen. I. Kinetics. Journal of Chemical Physics, 1985, 82, 3659-3665.	1.2	248
148	Reactions of iron clusters with hydrogen. II. Composition of the fully hydrogenated products. Journal of Chemical Physics, 1985, 82, 5470-5474.	1.2	117
149	Reactions of iron clusters with hydrogen. III. Laser-induced desorption of H <sub>2</sub> by multiphoton absorption. Journal of Chemical Physics, 1985, 83, 2882-2888.	1.2	73
150	Kinetic energy dependence of cross sections for state-to-state vibrational excitation in collisions of SO aniline with He. Journal of Chemical Physics, 1984, 80, 3494-3495.	1.2	27
151	State-to-state vibrational excitation of I <sub>2</sub> in collisions with He. Journal of Chemical Physics, 1984, 81, 5577-5585.	1.2	61
152	Pulsed molecular beam study of state-to-state vibrational excitation in He+I <sub>2</sub> collisions: Energy dependence of the v=0→1 cross section. Journal of Chemical Physics, 1983, 78, 5260-5261.	1.2	37
153	Chemical Physics, 1983, 78, 5567-5581.	1.2	103
154	Infrared photodissociation of (Ar←OCS), (OCS) <sub>2</sub> , and (OCS) <sub>3</sub> [carbon oxide sulfide van der Waals clusters with and without argon] in pulsed molecular beams: spectroscopy and dynamics. The Journal of Physical Chemistry, 1983, 87, 2096-2102.	2.9	48
155	Sequential two-photon laser-induced fluorescence detection of mercury. Optics Letters, 1982, 7, 359.	1.7	11
156	Isotope effects in abstraction and exchange reactions H + HBr. International Journal of Chemical Kinetics, 1981, 13, 845-854.	1.0	4
157	Dynamics of nonadiabatic reactions. I. F (2P <sub>3/2</sub> , 2P <sub>1/2</sub> )+HBr (DBr)→HF (DF)+Br (2P <sub>3/2</sub> , 2P <sub>1/2</sub> ). Journal of Chemical Physics, 1981, 75, 3353-3364.	1.2	47
158	Reactive cross section as a function of reagent energy. II. H(D)+HBr(DBr)→H <sub>2</sub> (HD,D <sub>2</sub> )+Br. Journal of Chemical Physics, 1981, 74, 6226-6241.	1.2	38
159	Laser fluorescence studies of carbonyl and carboxylic acid oxygen atom abstraction reactions by Group 3B atoms. The Journal of Physical Chemistry, 1979, 83, 970-973.	2.9	11
160	Mechanisms of central O atom abstraction reactions: A molecular beam, laser-induced fluorescence study of Group IIIB + ROH systems. Journal of Chemical Physics, 1978, 68, 1794-1802.	1.2	44
161	Reactive cross section as a function of collision energy. I. H(D)+Br→HBr(DBr)+Br. Journal of Chemical Physics, 1978, 69, 4311-4312.	1.2	40
162	Laser fluorescence detection of nascent product state distributions in reactions of Sc and Y with O <sub>2</sub> , NO, and SO <sub>2</sub> . Journal of Chemical Physics, 1977, 67, 1814.	1.2	74

#	ARTICLE	IF	CITATIONS
163	Deactivation of Hg(3P2) in crossed molecular beams. Journal of Chemical Physics, 1976, 65, 815-822.	1.2	27