Xueming Yang

List of Publications by Year in descending order

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		57758	56724
272 papers	8,774 citations	44 h-index	83 g-index

282 all docs	282 docs citations	282 times ranked	6691 citing authors

#	Article	IF	Citations
1	Fundamentals of TiO₂ Photocatalysis: Concepts, Mechanisms, and Challenges. Advanced Materials, 2019, 31, e1901997.	21.0	999
2	Elementary photocatalytic chemistry on TiO₂surfaces. Chemical Society Reviews, 2016, 45, 3701-3730.	38.1	288
3	Observation of Feshbach Resonances in the F + H2 -> HF + H Reaction. Science, 2006, 311, 1440-1443.	12.6	278
4	Stepwise Photocatalytic Dissociation of Methanol and Water on TiO₂(110). Journal of the American Chemical Society, 2012, 134, 13366-13373.	13.7	244
5	Single Molecule Photocatalysis on TiO₂ Surfaces. Chemical Reviews, 2019, 119, 11020-11041.	47.7	212
6	Unraveling Charge State of Supported Au Single-Atoms during CO Oxidation. Journal of the American Chemical Society, 2018, 140, 554-557.	13.7	192
7	Photodissociation of H2O at 121.6 nm: A state-to-state dynamical picture. Journal of Chemical Physics, 2000, 113, 10073-10090.	3.0	175
8	Forward scattering due to slow-down of the intermediate in the H + HD â†' D + H2 reaction. Nature, 2002, 419, 281-284.	27.8	169
9	Localized Excitation of Ti³⁺ Ions in the Photoabsorption and Photocatalytic Activity of Reduced Rutile TiO₂. Journal of the American Chemical Society, 2015, 137, 9146-9152.	13.7	168
10	Experimental and Theoretical Differential Cross Sections for a Four-Atom Reaction: HD + OH â†' H ₂ O + D. Science, 2011, 333, 440-442.	12.6	152
11	Site-specific photocatalytic splitting of methanol on TiO2(110). Chemical Science, 2010, 1, 575.	7.4	150
12	Breakdown of the Born-Oppenheimer Approximation in the F+ o -D ₂ â†' DF + D Reaction. Science, 2007, 317, 1061-1064.	12.6	149
13	Self-Assembled Framework Enhances Electronic Communication of Ultrasmall-Sized Nanoparticles for Exceptional Solar Hydrogen Evolution. Journal of the American Chemical Society, 2017, 139, 4789-4796.	13.7	146
14	Interference of Quantized Transition-State Pathways in the H + D2 -> D + HD Chemical Reaction. Science, 2003, 300, 1730-1734.	12.6	137
15	Transition-State Spectroscopy of Partial Wave Resonances in the F + HD Reaction. Science, 2010, 327, 1501-1502.	12.6	124
16	Dynamical Resonances Accessible Only by Reagent Vibrational Excitation in the F + HDâ†'HF + D Reaction. Science, 2013, 342, 1499-1502.	12.6	107
17	Molecular Hydrogen Formation from Photocatalysis of Methanol on TiO₂(110). Journal of the American Chemical Society, 2013, 135, 10206-10209.	13.7	102
18	Methyl Formate Production on TiO₂(110), Initiated by Methanol Photocatalysis at 400 nm. Journal of Physical Chemistry C, 2013, 117, 5293-5300.	3.1	100

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19	Observation of the geometric phase effect in the H + HD â†' H ₂ + D reaction. Science, 2018, 362, 1289-1293.	12.6	99
20	The Extent of Nonâ€"Born-Oppenheimer Coupling in the Reaction of Cl(² P) with para- H ₂. Science, 2008, 322, 573-576.	12.6	95
21	State-to-State Dynamics of Elementary Bimolecular Reactions. Annual Review of Physical Chemistry, 2007, 58, 433-459.	10.8	94
22	Metallic Co₂C: A Promising Co-catalyst To Boost Photocatalytic Hydrogen Evolution of Colloidal Quantum Dots. ACS Catalysis, 2018, 8, 5890-5895.	11.2	92
23	Extremely short-lived reaction resonances in Cl + HD (v = 1) â†' DCl + H due to chemical bond softening. Science, 2015, 347, 60-63.	12.6	91
24	Molecular Hydrogen Formation from Photocatalysis of Methanol on Anatase-TiO₂(101). Journal of the American Chemical Society, 2014, 136, 602-605.	13.7	89
25	Photochemistry of the Water Molecule: Adiabatic versus Nonadiabatic Dynamics. Accounts of Chemical Research, 2011, 44, 369-378.	15.6	78
26	Band-Gap States of TiO₂(110): Major Contribution from Surface Defects. Journal of Physical Chemistry Letters, 2013, 4, 3839-3844.	4.6	76
27	Probing the resonance potential in the F atom reaction with hydrogen deuteride with spectroscopic accuracy. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12662-12666.	7.1	75
28	First-principles quantum dynamical theory for the dissociative chemisorption of H2O on rigid Cu(111). Nature Communications, 2016, 7, 11953.	12.8	74
29	HF(vâ€² = 3) forward scattering in the F + H ₂ reaction: Shape resonance and slow-down mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6227-6231.	7.1	72
30	Nonadiabatic dissociation dynamics in H ₂ O: Competition between rotationally and nonrotationally mediated pathways. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19148-19153.	7.1	68
31	A seven-dimensional quantum dynamics study of the dissociative chemisorption of H₂O on Cu(111): effects of azimuthal angles and azimuthal angle-averaging. Chemical Science, 2016, 7, 1840-1845.	7.4	64
32	Effect of defects on photocatalytic dissociation of methanol on TiO2(110). Chemical Science, 2011, 2, 1980.	7.4	61
33	A fully state- and angle-resolved study of the H+HDâ†'D+H2 reaction: Comparison of a molecular beam experiment to ab initio quantum reaction dynamics. Journal of Chemical Physics, 2002, 117, 8341-8361.	3.0	60
34	Strong Photon Energy Dependence of the Photocatalytic Dissociation Rate of Methanol on TiO₂(110). Journal of the American Chemical Society, 2013, 135, 19039-19045.	13.7	58
35	In situ formation of mononuclear complexes by reaction-induced atomic dispersion of supported noble metal nanoparticles. Nature Communications, 2019, 10, 5281.	12.8	57
36	Photodissociation of D2O at 121.6 nm: A state-to-state dynamical picture. Journal of Chemical Physics, 2001, 114, 7830-7837.	3.0	55

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37	Infrared spectroscopy of neutral water clusters at finite temperature: Evidence for a noncyclic pentamer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15423-15428.	7.1	55
38	Exceptional Catalytic Nature of Quantum Dots for Photocatalytic Hydrogen Evolution without External Cocatalysts. Advanced Functional Materials, 2018, 28, 1801769.	14.9	54
39	Photoinduced Decomposition of Formaldehyde on a TiO₂(110) Surface, Assisted by Bridge-Bonded Oxygen Atoms. Journal of Physical Chemistry Letters, 2013, 4, 2668-2673.	4.6	52
40	Quantum interference in H + HD â†' H ₂ + D between direct abstraction and roaming insertion pathways. Science, 2020, 368, 767-771.	12.6	52
41	The vibrational distribution of the OH product from H2O photodissociation at 157 nm: Discrepancies between theory and experiment. Journal of Chemical Physics, 1999, 110, 4119-4122.	3.0	51
42	Infrared Spectroscopy of Neutral Water Dimer Based on a Tunable Vacuum Ultraviolet Free Electron Laser. Journal of Physical Chemistry Letters, 2020, 11, 851-855.	4.6	50
43	Stable Pt Single Atoms and Nanoclusters on Ultrathin CuO Film and Their Performances in CO Oxidation. Journal of Physical Chemistry C, 2016, 120, 1709-1715.	3.1	48
44	Effect of the Hydrogen Bond in Photoinduced Water Dissociation: A Double-Edged Sword. Journal of Physical Chemistry Letters, 2016, 7, 603-608.	4.6	46
45	Direct observation of forward-scattering oscillations in the H+HDâ†'H2+D reaction. Nature Chemistry, 2018, 10, 653-658.	13.6	46
46	Vacuum ultraviolet photochemistry of methane, silane and germane. Physical Chemistry Chemical Physics, 2001, 3, 1848-1860.	2.8	44
47	Effect of Surface Structure on the Photoreactivity of TiO₂. Journal of Physical Chemistry C, 2015, 119, 6121-6127.	3.1	43
48	The Anion Effect on Li⁺ Ion Coordination Structure in Ethylene Carbonate Solutions. Journal of Physical Chemistry Letters, 2016, 7, 3554-3559.	4.6	42
49	State-to-state dynamics of elementary chemical reactions using Rydberg H-atom translational spectroscopy. International Reviews in Physical Chemistry, 2005, 24, 37-98.	2.3	41
50	A kinetic study of the CH₂OO Criegee intermediate reaction with SO₂, (H₂O)₂, CH₂I₂ and I atoms using OH laser induced fluorescence. Physical Chemistry Chemical Physics, 2017, 19, 20786-20794.	2.8	40
51	Role of Pt Loading in the Photocatalytic Chemistry of Methanol on Rutile TiO₂(110). ACS Catalysis, 2019, 9, 286-294.	11.2	39
52	Ultrafast Transient Spectra and Dynamics of MXene (Ti₃C₂T_x) in Response to Light Excitations of Various Wavelengths. Journal of Physical Chemistry C, 2020, 124, 6441-6447.	3.1	39
53	Extremely Rotationally Excited OH from Water (HOD) Photodissociation through Conical Intersection. Physical Review Letters, 2001, 87, 253201.	7.8	38
54	Dynamical Resonances in the Fluorine Atom Reaction with the Hydrogen Molecule. Accounts of Chemical Research, 2008, 41, 981-989.	15.6	38

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55	Electronic structure and photoabsorption of Ti³⁺ ions in reduced anatase and rutile TiO₂. Physical Chemistry Chemical Physics, 2018, 20, 17658-17665.	2.8	38
56	Photodissociation dynamics of cyclopropane at 157 nm. Journal of Chemical Physics, 2002, 117, 153-160.	3.0	37
57	Multiple channel dynamics in the O(1D) reaction with alkanes. Physical Chemistry Chemical Physics, 2006, 8, 205-215.	2.8	37
58	Photocatalytic Dissociation of Ethanol on TiO2(110) by Near-Band-Gap Excitation. Journal of Physical Chemistry C, 2013, 117, 10336-10344.	3.1	37
59	Direct Imaging Single Methanol Molecule Photocatalysis on Titania. Journal of Physical Chemistry C, 2015, 119, 17748-17754.	3.1	37
60	Hydroxyl super rotors from vacuum ultraviolet photodissociation of water. Nature Communications, 2019, 10, 1250.	12.8	37
61	Ultraviolet photolysis of H2S and its implications for SH radical production in the interstellar medium. Nature Communications, 2020, 11, 1547.	12.8	37
62	State to State to State Dynamics of theD+H2â†'HD+HReaction: Control of Transition-State Pathways via Reagent Orientation. Physical Review Letters, 2006, 96, 093201.	7.8	35
63	Highly Efficient Water Dissociation on Anatase TiO₂(101). Journal of Physical Chemistry C, 2016, 120, 26807-26813.	3.1	35
64	Infrared spectroscopic study of hydrogen bonding topologies in the smallest ice cube. Nature Communications, 2020, 11, 5449.	12.8	35
65	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
66	Dynamical resonances in chemical reactions. Chemical Society Reviews, 2018, 47, 6744-6763.	38.1	34
67	Enhanced reactivity of fluorine with para-hydrogen in cold interstellar clouds by resonance-induced quantum tunnelling. Nature Chemistry, 2019, 11, 744-749.	13.6	34
68	Effect of a Single Quantum Rotational Excitation on State-to-State Dynamics of theO(D1)+H2â†'OH+HReaction. Physical Review Letters, 2002, 89, 133201.	7.8	33
69	Tunable VUV photochemistry using Rydberg H-atom time-of-flight spectroscopy. Review of Scientific Instruments, 2008, 79, 124101.	1.3	33
70	Nonstatistical spin dynamics in photodissociation of H2O at 157nm. Journal of Chemical Physics, 2008, 128, 066101.	3.0	33
71	Mode specificity for the dissociative chemisorption of H₂O on Cu(111): a quantum dynamics study on an accurately fitted potential energy surface. Physical Chemistry Chemical Physics, 2016, 18, 8537-8544.	2.8	33
72	Tunable VUV photochemistry using vacuum ultraviolet free electron laser combined with H-atom Rydberg tagging time-of-flight spectroscopy. Review of Scientific Instruments, 2018, 89, 063113.	1.3	33

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73	Elementary Chemical Reactions in Surface Photocatalysis. Annual Review of Physical Chemistry, 2018, 69, 451-472.	10.8	31
74	Probing Feshbach resonances in F+H2(j=1)â†'HF+H: Dynamical effect of single quantum H2-rotation. Journal of Chemical Physics, 2006, 125, 151102.	3.0	30
75	Observation of the geometric phase effect in the H+HDâ†'H2+D reaction below the conical intersection. Nature Communications, 2020, 11, 3640.	12.8	30
76	Flower-like cobalt carbide for efficient carbon dioxide conversion. Chemical Communications, 2020, 56, 7849-7852.	4.1	30
77	High resolution time-of-flight spectrometer for crossed molecular beam study of elementary chemical reactions. Review of Scientific Instruments, 2005, 76, 083107.	1.3	29
78	Selfâ€Assembled Amphiphilic Water Oxidation Catalysts: Control of Oâ^'O Bond Formation Pathways by Different Aggregation Patterns. Angewandte Chemie - International Edition, 2016, 55, 6229-6234.	13.8	29
79	Low-Temperature Hydrogen Production via Water Conversion on Pt/TiO₂. Journal of Physical Chemistry C, 2018, 122, 10956-10962.	3.1	29
80	Photodissociation dynamics of H2O at 111.5 nm by a vacuum ultraviolet free electron laser. Journal of Chemical Physics, 2018, 148, 124301.	3.0	29
81	How Is Câ€"H Vibrational Energy Redistributed in F + CHD₃(Î½₁ = 1) â†' HF + CD₃?. Journal of Physical Chemistry Letters, 2014, 5, 1790-1794.	4.6	28
82	Photodissociation dynamics of H2O: Effect of unstable resonances on the $ilde B,^{1}{m !A}_{1}$BÌƒ1A1 electronic state. Journal of Chemical Physics, 2011, 134, 064301.	3.0	27
83	Surface photochemistry probed by two-photon photoemission spectroscopy. Energy and Environmental Science, 2012, 5, 6833.	30.8	27
84	Kinetics of the reaction of the simplest Criegee intermediate with ammonia: a combination of experiment and theory. Physical Chemistry Chemical Physics, 2018, 20, 29669-29676.	2.8	27
85	Transformation between the Dark and Bright Self-Trapped Excitons in Lead-Free Double-Perovskite Cs₂NaBiCl₆ under Pressure. Journal of Physical Chemistry Letters, 2021, 12, 7285-7292.	4.6	27
86	Recombination of Formaldehyde and Hydrogen Atoms on TiO₂(110). Journal of Physical Chemistry C, 2015, 119, 1170-1174.	3.1	26
87	Real-space imaging with pattern recognition of a ligand-protected Ag374 nanocluster at sub-molecular resolution. Nature Communications, 2018, 9, 2948.	12.8	26
88	Solvation structure around the Li⁺ ion in succinonitrileâ€"lithium salt plastic crystalline electrolytes. Physical Chemistry Chemical Physics, 2016, 18, 14867-14873.	2.8	25
89	Unimolecular Reaction Rate Measurement of syn-CH3CHOO. Journal of Physical Chemistry Letters, 2019, 10, 4817-4821.	4.6	24
90	Two-photon photodissociation dynamics of H2O via the DÌƒ electronic state. Journal of Chemical Physics, 2009, 131, 074301.	3.0	23

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91	VUV Photodissociation Dynamics of Nitrous Oxide: The O(¹S_{J=0}) and O(³P_{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2015, 119, 8090-8096.	2.5	22
92	Infrared-Vacuum Ultraviolet Spectroscopic and Theoretical Study of Neutral Methylamine Dimer. Journal of Physical Chemistry A, 2017, 121, 7176-7182.	2.5	21
93	Ordered-to-Disordered Transformation of Enhanced Water Structure on Hydrophobic Surfaces in Concentrated Alcoholâ€“Water Solutions. Journal of Physical Chemistry Letters, 2019, 10, 7922-7928.	4.6	21
94	Velocity map imaging study of OCS photodissociation followed by S(1S) autoionization at 157 nm. Molecular Physics, 2005, 103, 1797-1807.	1.7	20
95	Competition between Direct and Indirect Dissociation Pathways in Ultraviolet Photodissociation of HNCO. Journal of Physical Chemistry A, 2013, 117, 11673-11678.	2.5	20
96	Optimal d-band-induced Cu₃N as a cocatalyst on metal sulfides for boosting photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 22601-22606.	10.3	20
97	Trapped Abstraction in the O(¹D) + CHD₃ â†’ OH + CD₃ Reaction. Journal of Physical Chemistry Letters, 2014, 5, 3106-3111.	4.6	19
98	Observation of the Carbon Elimination Channel in Vacuum Ultraviolet Photodissociation of OCS. Journal of Physical Chemistry Letters, 2019, 10, 4783-4787.	4.6	19
99	Infrared spectra of neutral dimethylamine clusters: An infrared-vacuum ultraviolet spectroscopic and anharmonic vibrational calculation study. Journal of Chemical Physics, 2019, 150, 064317.	3.0	19
100	Water Photolysis and Its Contributions to the Hydroxyl Dayglow Emissions in the Atmospheres of Earth and Mars. Journal of Physical Chemistry Letters, 2020, 11, 9086-9092.	4.6	19
101	Reactivity oscillation in the heavyâ€“lightâ€“heavy Cl + CH ₄ reaction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9202-9207.	7.1	19
102	Surface Photocatalysis-TPD Spectrometer for Photochemical Kinetics. Chinese Journal of Chemical Physics, 2012, 25, 507-512.	1.3	18
103	Vibronically induced decay paths from the $ilde C$Cìƒ1B1-state of water and its isotopomers. Journal of Chemical Physics, 2013, 138, 104306.	3.0	18
104	Imaging the Pair-Correlated HNCO Photodissociation: The NH(a¹Î”) + CO(X¹Î£⁺) Channel. Journal of Physical Chemistry A, 2014, 118, 2413-2418.	2.5	18
105	Charting a course for chemistry. Nature Chemistry, 2019, 11, 286-294.	13.6	18
106	Origin of the Adsorption-State-Dependent Photoactivity of Methanol on TiO₂(110). ACS Catalysis, 2021, 11, 2620-2630.	11.2	18
107	Highly Rotationally Excited CH₃from Methane Photodissociation through Conical Intersection Pathway. Journal of Physical Chemistry Letters, 2010, 1, 475-479.	4.6	17
108	Effect of CH stretching excitation on the reaction dynamics of F + CHD3 â†’ DF + CHD2. Journal of Chemical Physics, 2015, 143, 044316.	3.0	17

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109	Ultrafast Flash Energy Conductance at MXeneâ€Surfactant Interface and Its Molecular Origins. Advanced Materials Interfaces, 2019, 6, 1901461.	3.7	17
110	Electronically Excited OH Super-rotors from Water Photodissociation by Using Vacuum Ultraviolet Free-Electron Laser Pulses. Journal of Physical Chemistry Letters, 2020, 11, 7617-7623.	4.6	17
111	Quantum interference between spin-orbit split partial waves in the F + HD â†' HF + D reaction. Science, 2021, 371, 936-940.	12.6	17
112	Alkoxylation Reaction of Alcohol on Silica Surfaces Studied by Sum Frequency Vibrational Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 8638-8646.	3.1	17
113	Highly Efficient Pumping of Vibrationally Excited HD Molecules via Stark-Induced Adiabatic Raman Passage. Journal of Physical Chemistry Letters, 2013, 4, 368-371.	4.6	16
114	Photoinduced decomposition of acetaldehyde on a reduced TiO₂(110) surface: involvement of lattice oxygen. Physical Chemistry Chemical Physics, 2016, 18, 30982-30989.	2.8	16
115	Photocatalytic chemistry of methanol on rutile TiO₂(011)-(2 Ã— 1). Physical Chemistry Chemical Physics, 2016, 18, 10224-10231.	2.8	16
116	Li-Ion solvation in propylene carbonate electrolytes determined by molecular rotational measurements. Physical Chemistry Chemical Physics, 2019, 21, 10417-10422.	2.8	16
117	Flexible high-resolution broadband sum-frequency generation vibrational spectroscopy for intrinsic spectral line widths. Journal of Chemical Physics, 2019, 150, 074702.	3.0	16
118	Probing state-to-state reaction dynamics using H-atom Rydberg tagging time-of-flight spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 8112.	2.8	15
119	Photodissociation dynamics of D2O via the $ilde B({}^1A_1)$BÌƒ(A11) electronic state. Journal of Chemical Physics, 2011, 134, 104305.	3.0	15
120	Isotope-Dependent Rotational States Distributions Enhanced by Dynamic Resonance States: A Comparison Study of the F + HD â†' HF(v_{HF} = 2) + D and F + H₂ â†' HF(v_{HF} = 2) + H Reaction. Journal of Physical Chemistry Letters, 2014, 5, 3049-3055.	4.6	15
121	Photocatalytic C C bond cleavage in ethylene glycol on TiO2: A molecular level picture and the effect of metal nanoparticles. Journal of Catalysis, 2017, 354, 37-45.	6.2	15
122	Dissymmetric On-Surface Dehalogenation Reaction Steered by Preformed Self-Assembled Structure. Journal of Physical Chemistry Letters, 2020, 11, 1867-1872.	4.6	15
123	Three body photodissociation of the water molecule and its implications for prebiotic oxygen production. Nature Communications, 2021, 12, 2476.	12.8	15
124	Vibrationally excited molecular hydrogen production from the water photochemistry. Nature Communications, 2021, 12, 6303.	12.8	15
125	Product rotational Franckâ€“Condon oscillations in HOD (J_{ka},_J_{kc}) dissociation. Molecular Physics, 2010, 108, 905-914.	1.7	14
126	VUV Photodissociation Dynamics of Nitrous Oxide: The N(²D_J=3/2,5/2) and N(²P_J=1/2,3/2) Product Channels. Journal of Physical Chemistry A, 2016, 120, 4966-4972.	2.5	14

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127	An accidental resonance mediated predissociation pathway of water molecules excited to the electronic Cl*f* state. Physical Chemistry Chemical Physics, 2017, 19, 29795-29800.	2.8	14
128	Chemical reaction dynamics. Chemical Society Reviews, 2017, 46, 7481-7482.	38.1	14
129	In Situ Studies on Temperature-Dependent Photocatalytic Reactions of Methanol on TiO₂(110). Journal of Physical Chemistry C, 2019, 123, 9993-9999.	3.1	14
130	Rotational and nuclear-spin levelÂdependent photodissociation dynamics of H2S. Nature Communications, 2021, 12, 4459.	12.8	14
131	Imaging CH3SH photodissociation at 204 nm: the SH + CH3 channel. Physical Chemistry Chemical Physics, 2011, 13, 8531.	2.8	13
132	Controlled Vacancy-Assisted Câ€“C Couplings of Acetaldehyde on Rutile TiO₂(110). Journal of Physical Chemistry C, 2014, 118, 27920-27924.	3.1	13
133	Ultrafast excited-state dynamics of 2,4-dimethylpyrrole. Physical Chemistry Chemical Physics, 2017, 19, 29146-29152.	2.8	13
134	Effect of Multilayer Methanol and Water in Methanol Photochemistry on TiO₂. Journal of Physical Chemistry C, 2017, 121, 17244-17250.	3.1	13
135	Infrared Spectroscopy of Hydrogen-Bonding Interactions in Neutral Dimethylamineâ€“Methanol Complexes. Journal of Physical Chemistry A, 2019, 123, 10109-10115.	2.5	13
136	Adsorption Features of Formaldehyde on TiO₂(110) Surface Probed by High-Resolution Scanning Tunnelling Microscopy. Journal of Physical Chemistry Letters, 2019, 10, 3352-3358.	4.6	13
137	Vacuum ultraviolet photodissociation dynamics of CO2 near 133 nm: The spin-forbidden O(3Pj=2,1,0) + CO(X1Î£+) channel. Journal of Chemical Physics, 2019, 151, 214306.	3.0	13
138	Surface Oxidation Modulates the Interfacial and Lateral Thermal Migration of MXene (Ti3C2Tx) Flakes. Journal of Physical Chemistry Letters, 2020, 11, 9521-9527.	4.6	13
139	Deconstructing Vibrational Motions on the Potential Energy Surfaces of Hydrogen-Bonded Complexes. CCS Chemistry, 2021, 3, 829-835.	7.8	13
140	Rotational State Specific Dissociation Dynamics of HOD â†' H + OD via Two-Photon Excitation to the Cl*f* Electronic State. Journal of Physical Chemistry A, 2011, 115, 1500-1507.	2.5	12
141	Imaging the O(¹D) + CD₄ â†' OD + CD₃ Reaction Dynamics: The Threshold of Abstraction Pathway. Journal of Physical Chemistry Letters, 2012, 3, 1310-1314.	4.6	12
142	Elementary processes in photocatalysis of methanol and water on rutile TiO2(110): A new picture of photocatalysis. Chinese Journal of Catalysis, 2015, 36, 1649-1655.	14.0	12
143	Striking Isotopologue-Dependent Photodissociation Dynamics of Water Molecules: The Signature of an Accidental Resonance. Journal of Physical Chemistry Letters, 2019, 10, 4209-4214.	4.6	12
144	A broadband sum-frequency generation vibrational spectrometer to probe adsorbed molecules on nanoparticles. Surface Science, 2019, 689, 121459.	1.9	12

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145	State-to-state photodissociation dynamics of CO2 around 108 nm: the O(1S) atom channel. Physical Chemistry Chemical Physics, 2020, 22, 6260-6265.	2.8	12
146	Vibrational Signature of Dynamic Coupling of a Strong Hydrogen Bond. Journal of Physical Chemistry Letters, 2021, 12, 2259-2265.	4.6	12
147	Onâ€Surface Decarboxylation Coupling Facilitated by Lockâ€toâ€Unlock Variation of Molecules upon the Reaction. Angewandte Chemie - International Edition, 2021, 60, 17435-17439.	13.8	12
148	Observation of Carbonâ€“Carbon Coupling Reaction in Neutral Transition-Metal Carbonyls. Journal of Physical Chemistry Letters, 2021, 12, 1012-1017.	4.6	12
149	Quantum state-selected photodissociation dynamics of H2O: Two-photon dissociation via the C̃f electronic state. Journal of Chemical Physics, 2010, 133, 134301.	3.0	11
150	Rethinking Chemical Reactions at Hyperthermal Energies. Science, 2012, 336, 1650-1651.	12.6	11
151	Vacuum Ultraviolet Photodissociation Dynamics of Isocyanic Acid: The Hydrogen Elimination Channel. Journal of Physical Chemistry A, 2013, 117, 13564-13571.	2.5	11
152	Comparison Studies on Sub-Nanometer-Sized Ion Clusters in Aqueous Solutions: Vibrational Energy Transfers, MD Simulations, and Neutron Scattering. Journal of Physical Chemistry B, 2015, 119, 9893-9904.	2.6	11
153	Effect of Reagent Vibrational Excitation on the Dynamics of F + H₂(v = 1, j =) Tj ETQq1 1 0.784314 rgBT /Ov	2.5	11
154	Active Species in Photocatalytic Reactions of Methanol on TiO₂(110) Identified by Surface Sum Frequency Generation Vibrational Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 13789-13794.	3.1	11
155	In-situ generation and global property profiling of metal nanoclusters by ultraviolet laser dissociation-mass spectrometry. Science China Chemistry, 2022, 65, 1196-1203.	8.2	11
156	Photodissociation dynamics of acetylene via the C̃fâ€‰Î1u electronic state. Journal of Chemical Physics, 2010, 133, 014307.	3.0	10
157	Rotational state specific dissociation dynamics of D2O via the C̃f electronic state. Journal of Chemical Physics, 2010, 133, 034307.	3.0	10
158	Angular momentum polarisation in the O(¹D) products of O₂photolysis via the B state. Molecular Physics, 2010, 108, 1145-1157.	1.7	10
159	The role of water in photocatalytic dissociation of methanol on rutile TiO2(110)-(1 Ã— 1). Chinese Journal of Catalysis, 2014, 35, 416-422.	14.0	10
160	Selfâ€Assembled Amphiphilic Water Oxidation Catalysts: Control of Oâ€“O Bond Formation Pathways by Different Aggregation Patterns. Angewandte Chemie, 2016, 128, 6337-6342.	2.0	10
161	The molecular rotational motion of liquid ethanol studied by ultrafast time resolved infrared spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 4345-4351.	2.8	10
162	Ultrafast excited-state dynamics of 2,5-dimethylpyrrole. Physical Chemistry Chemical Physics, 2018, 20, 15015-15021.	2.8	10

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163	Photodissociation Dynamics of OCS near 150 nm: The S(¹S_{J=0}) and S(³P_{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2020, 124, 6420-6426.	2.5	10
164	Ultraviolet photochemistry of ethane: implications for the atmospheric chemistry of the gas giants. Chemical Science, 2020, 11, 5089-5097.	7.4	10
165	Infrared + vacuum ultraviolet two-color ionization spectroscopy of neutral metal complexes based on a tunable vacuum ultraviolet free-electron laser. Review of Scientific Instruments, 2020, 91, 034103.	1.3	10
166	Direct Observation of the C + S₂ Channel in CS₂ Photodissociation. Journal of Physical Chemistry Letters, 2021, 12, 844-849.	4.6	10
167	Experimental and Computational Studies of Criegee Intermediate syn-CH₃CHOO Reaction with Hydrogen Chloride. Journal of Physical Chemistry A, 2021, 125, 8587-8594.	2.5	10
168	Suppression of Photoinduced BBO Defects Generation on TiO2(110) by Water. Chinese Journal of Chemical Physics, 2013, 26, 646-650.	1.3	9
169	Photodissociation dynamics of HOD via the BÌƒ (1A1) electronic state. Journal of Chemical Physics, 2015, 143, 184302.	3.0	9
170	Fundamental Processes in Surface Photocatalysis on TiO₂. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2016, 32, 28-47.	4.9	9
171	H2O and CO coadsorption on Co (0001): The effect of intermolecular hydrogen bond. Surface Science, 2017, 663, 56-61.	1.9	9
172	Vacuum ultraviolet photodissociation dynamics of N2O via the C1Î state: The N(2Dj=5/2, 3/2) + NO(X2Î) product channels. Journal of Chemical Physics, 2018, 149, 104309.	3.0	9
173	Infrared photodissociation spectroscopy of cold cationic trimethylamine complexes. Physical Chemistry Chemical Physics, 2018, 20, 25583-25591.	2.8	9
174	Hydrogen Production via Methanol Photocatalysis on Au/Rutile-TiO₂(110). Journal of Physical Chemistry C, 2020, 124, 26965-26972.	3.1	9
175	Kinetics of CH₂OO and syn-CH₃CHOO reaction with acrolein. Physical Chemistry Chemical Physics, 2021, 23, 13276-13283.	2.8	9
176	Infrared spectroscopic signature of the structural diversity of the water heptamer. Cell Reports Physical Science, 2022, 3, 100748.	5.6	9
177	Photocatalytic Câ€“H Bond Activation of Toluene on Rutile TiO₂(110). Journal of Physical Chemistry C, 2022, 126, 11963-11970.	3.1	9
178	Photoinduced Carbonyl Coupling of Aldehydes on Anatase TiO₂(101). Journal of Physical Chemistry C, 2016, 120, 9897-9903.	3.1	8
179	Perspective: The development and applications of H Rydberg atom translational spectroscopy methods. Journal of Chemical Physics, 2018, 149, 080901.	3.0	8
180	The 18-electron rule for main-group alkaline earth octacarbonyl complexes. National Science Review, 2019, 6, 8-9.	9.5	8

#	Article	IF	Citations
181	Temperature- and pressure-dependent rate coefficient measurement for the reaction of CH₂OO with CH₃CH₂CHO. Physical Chemistry Chemical Physics, 2020, 22, 25869-25875.	2.8	8
182	Single-Atom Pt⁺ Derived from the Laser Dissociation of a Platinum Cluster: Insights into Nonoxidative Alkane Conversion. Journal of Physical Chemistry Letters, 2020, 11, 5987-5991.	4.6	8
183	Imaging the State-to-State Dynamics of the H + D₂ â†' HD + D Reaction at 1.42 eV. Journal of Physical Chemistry Letters, 2020, 11, 1222-1227.	4.6	8
184	Hydrophobic Modification of Silica Surfaces via Grafting Alkoxy Groups. ACS Applied Electronic Materials, 2021, 3, 1691-1698.	4.3	8
185	Spectroscopic Identification of Transition-Metal M[Î·²-(O,O)C] Species for Highly-Efficient CO₂ Activation. Journal of Physical Chemistry Letters, 2021, 12, 472-477.	4.6	8
186	Motif-dependent immune co-receptor interactome profiling by photoaffinity chemical proteomics. Cell Chemical Biology, 2022, 29, 1024-1036.e5.	5.2	8
187	Infrared Spectroscopy of Stepwise Hydration Motifs of Sulfur Dioxide. Journal of Physical Chemistry Letters, 2022, 13, 5654-5659.	4.6	8
188	Photodissociation dynamics of C4H2 at 164.41 nm: Competitive dissociation pathways. Journal of Chemical Physics, 2013, 139, 124307.	3.0	7
189	Surface reaction dynamics. Chemical Society Reviews, 2016, 45, 3573-3575.	38.1	7
190	Negligible Isotopic Effect on Dissociation of Hydrogen Bonds. Journal of Physical Chemistry B, 2016, 120, 3187-3195.	2.6	7
191	Enhanced Hydrogen Production from Methanol Photolysis on a Formate-Modified Rutile-TiO₂(110) Surface. Journal of Physical Chemistry C, 2018, 122, 13774-13781.	3.1	7
192	Deuterium Kinetic Isotope Effect in the Photocatalyzed Dissociation of Methanol on TiO₂(110). Journal of Physical Chemistry C, 2018, 122, 26512-26518.	3.1	7
193	Detecting the Photoactivity of the Rutile TiO₂(100)-(1 Ã— 1) Surface by Methanol. Journal of Physical Chemistry C, 2020, 124, 8766-8774.	3.1	7
194	Vacuum ultraviolet photodissociation dynamics of OCS + hv â†' CO(¹Î£⁺) + S(¹S₀) via the E and F Rydberg states. Physical Chemistry Chemical Physics, 2021, 23, 5809-5816.	2.8	7
195	Wavelength-Dependent Water Oxidation on Rutile TiO₂(110). Journal of Physical Chemistry Letters, 2021, 12, 1066-1072.	4.6	7
196	Ultrahigh sensitive transient absorption spectrometer. Review of Scientific Instruments, 2021, 92, 053002.	1.3	7
197	State-to-state differential cross-sections for the reactive scattering of H*(n) with o-D2. Chemical Science, 2012, 3, 2839.	7.4	6
198	State-to-state dynamics of the H*(n) + HD â†' D*(nâ€²) + H2 reactive scattering. Journal of Chemical Physics, 2014, 140, 034310.	3.0	6

#	Article	IF	Citations
199	Photodissociation Dynamics of Diacetylene Rydberg States. Journal of Physical Chemistry A, 2015, 119, 11313-11319.	2.5	6
200	Acetone Formation from Photolysis of 2-Propanol on Anatase-TiO2(101). Chinese Journal of Chemical Physics, 2017, 30, 1-6.	1.3	6
201	Adsorption Structure and Coverage-Dependent Orientation Analysis of Sub-Monolayer Acetonitrile on TiO₂(110). Journal of Physical Chemistry C, 2019, 123, 17915-17924.	3.1	6
202	Methanol Decomposition on Co(0001): Influence of the Cobalt Oxidation State on Reactivity. Journal of Physical Chemistry C, 2019, 123, 9139-9145.	3.1	6
203	Ultrafast decay dynamics of electronically excited 2-ethylpyrrole. Physical Chemistry Chemical Physics, 2021, 23, 17625-17633.	2.8	6
204	Subsurfaceâ€Carbonâ€Induced Local Charge of Copper for an Onâ€Surface Displacement Reaction. Angewandte Chemie - International Edition, 2021, 60, 23123-23127.	13.8	6
205	Chloride-Mediated Peroxide-Free Photochemical Oxidation of Proteins (PPOP) in Mass Spectrometry-Based Structural Analysis. Analytical Chemistry, 2022, 94, 1135-1142.	6.5	6
206	Valence Band of Rutile TiO₂(110) Investigated by Polarized-Light-Based Angle-Resolved Photoelectron Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 2299-2305.	4.6	6
207	Identifying Photocatalytic Active Sites of C₂H₆ Câ€“H Bond Activation on TiO₂ via Combining First-Principles Ground-State and Excited-State Electronic Structure Calculations. Journal of Physical Chemistry Letters, 2022, 13, 6532-6540.	4.6	6
208	Multiphoton ionization/dissociation dynamics of formyl fluoride by velocity mapping ion imaging. Physical Chemistry Chemical Physics, 2009, 11, 8733.	2.8	5
209	Vacuum ultraviolet photodissociation of hydrogen bromide. Physical Chemistry Chemical Physics, 2016, 18, 15399-15405.	2.8	5
210	Low-temperature CO oxidation on Co(0 0 0 1). Chemical Physics Letters, 2017, 683, 633-638.	2.6	5
211	Catalytic Hydrogen Production Using A Cobalt Catalyst Bearing a Phosphinoamine Ligand. ChemPhotoChem, 2019, 3, 220-224.	3.0	5
212	In Situ Observation of Stepwise Câ€“H Bond Scission: Deciphering the Catalytic Selectivity of Ethylbenzene-to-Styrene Conversion on TiO₂. Journal of Physical Chemistry Letters, 2020, 11, 9850-9855.	4.6	5
213	Organometallic polymers synthesized from prochiral molecules by a surface-assisted synthesis on Ag(111). Physical Chemistry Chemical Physics, 2020, 22, 8141-8145.	2.8	5
214	Kinetic Studies for the Reaction of syn-CH₃CHOO with CF₃CHâ•CH₂. Journal of Physical Chemistry A, 2020, 124, 6125-6132.	2.5	5
215	Strong isotope effect in the VUV photodissociation of HOD: A possible origin of D/H isotope heterogeneity in the solar nebula. Science Advances, 2021, 7, .	10.3	5
216	Photochemical bromination and iodination of peptides and proteins by photoexcitation of aqueous halides. Chemical Communications, 2021, 57, 11972-11975.	4.1	5

#	Article	IF	Citations
217	Anisotropic dâ€“d Transition in Rutile TiO₂. Journal of Physical Chemistry Letters, 2021, 12, 10515-10520.	4.6	5
218	Midinfrared Tunable Laser with Noncritical Frequency Matching in Box Resonator Geometry. Physical Review Letters, 2021, 127, 213902.	7.8	5
219	Aerosol mass spectrometry of neutral species based on a tunable vacuum ultraviolet free electron laser. Physical Chemistry Chemical Physics, 2022, 24, 16484-16492.	2.8	5
220	Dynamical resonance in F+H2 chemical reaction and rotational excitation effect. Science Bulletin, 2007, 52, 1009-1012.	1.7	4
221	Observation of Extremely High Vibrational Excitation in O₂ from Inelastic Scattering of Rydberg H Atom with O₂. Journal of Physical Chemistry Letters, 2012, 3, 2420-2424.	4.6	4
222	Effect of antisymmetric Câ€“H stretching excitation on the dynamics of O(1D) + CH4 â†' OH + CH3. Journal of Chemical Physics, 2014, 140, 154305.	3.0	4
223	Ethanol and Acetaldehyde Decomposition on Co(0001): The Effect of Hydrogen Atom on Câ€“O Bond Scission. Journal of Physical Chemistry C, 2019, 123, 19045-19051.	3.1	4
224	On-Surface Fabrication of Small-Sized Nanoporous Graphene. Journal of Physical Chemistry C, 2019, 123, 14404-14407.	3.1	4
225	Photodissociation dynamics of H₂O and D₂O via the DÌƒ(¹A₁) electronic state. Physical Chemistry Chemical Physics, 2020, 22, 4379-4386.	2.8	4
226	Quantitative insights into non-uniform plasmonic hotspots due to symmetry breaking induced by oblique incidence. Physical Chemistry Chemical Physics, 2020, 22, 19932-19939.	2.8	4
227	Quantum resonances near absolute zero. Science, 2020, 368, 582-583.	12.6	4
228	Vibrational overtone excitation of D2 in a molecular beam with a high-energy, narrow-bandwidth, nanosecond optical parametric oscillator/amplifier. Review of Scientific Instruments, 2020, 91, 053001.	1.3	4
229	A global ab initio potential energy surface and dynamics of the proton-transfer reaction: OH^{â^'} + D₂ â†' HOD + D^{â^'}. Physical Chemistry Chemical Physics, 2020, 22, 8203-8211.	2.8	4
230	Velocity map imaging studies of the photodissociation of CS₂ by two-photon excitation at around 303â€“315â€‰nm. Molecular Physics, 2021, 119, e1813911.	1.7	4
231	Low-Temperature Aldol Condensation of Aldehydes on R-TiO₂(100)-(1 Ã— 1): Exceptional Selectivity for Î±,Î²-Unsaturated Enal Production. Journal of Physical Chemistry Letters, 2021, 12, 1708-1717.	4.6	4
232	Photodissociation dynamics of CO2 + hv â†' CO(X1Î£+) + O(1D2) via the 3P1Îu state. Journal of Chemical Physics, 2022, 156, 054302.	3.0	4
233	Hydrogen Production on Pt/TiO₂: Synergistic Catalysis between Pt Clusters and Interfacial Adsorbates. Journal of Physical Chemistry Letters, 2022, 13, 3182-3187.	4.6	4
234	Reductive Carbonâ€Carbon Coupling on Metal Sites Regulates Photocatalytic CO2 Reduction in Water Using ZnSe Quantum Dots. Angewandte Chemie, 0, , .	2.0	4

#	Article	IF	Citations
235	Photodissociation of HOD via the Cl̃1B1 State: OD/OH Branching Ratio and OD Bond Dissociation Energy. Chinese Journal of Chemical Physics, 2011, 24, 129-133.	1.3	3
236	Probing Quantum Dynamics of Elementary Chemical Reactions via Accurate Potential Energy Surfaces. Zeitschrift Fur Physikalische Chemie, 2013, 227, .	2.8	3
237	Infrared photodissociation spectroscopy of ion-radical networks in cationic dimethylamine complexes. Physical Chemistry Chemical Physics, 2018, 20, 30125-30132.	2.8	3
238	A crossed molecular beam apparatus with multi-channel Rydberg tagging time-of-flight detection. Review of Scientific Instruments, 2020, 91, 073202.	1.3	3
239	Coverage-Dependent Ethylene Glycol Photochemistry on Rutile-TiO₂(110). Journal of Physical Chemistry C, 2020, 124, 14632-14639.	3.1	3
240	Experimental and Theoretical Study of the Vibrationally Excited Reaction Cl + D₂ (v) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	3
241	A free electron laser-based 1+1â€² Resonance-Enhanced Multiphoton Ionization scheme for rotationally resolved detection of OH radicals with correct relative intensities. Journal of Molecular Spectroscopy, 2021, 380, 111509.	1.2	3
242	Photoinduced decomposition of formaldehyde on rutile TiO2(100)-(1Ã—1). Chinese Journal of Chemical Physics, 2018, 31, 547-554.	1.3	2
243	Temperature-Dependent Infrared Photodissociation Spectroscopy of (CO2)3+ Cation. Journal of Physical Chemistry A, 2018, 122, 8054-8057.	2.5	2
244	The role of the three body photodissociation channel of water in the evolution of dioxygen in astrophysical applications. Physical Chemistry Chemical Physics, 2021, 23, 9235-9248.	2.8	2
245	Onâ€Surface Decarboxylation Coupling Facilitated by Lockâ€toâ€Unlock Variation of Molecules upon the Reaction. Angewandte Chemie, 2021, 133, 17575-17579.	2.0	2
246	Efficient generation of narrowband picosecond pulses from a femtosecond laser. Review of Scientific Instruments, 2021, 92, 083001.	1.3	2
247	A molecular double-slit experiment. Science, 2021, 374, 938-939.	12.6	2
248	Câ€“O versus Câ€“C Bond Cleavage in Ethylene Glycol Photochemistry on Rutile TiO2(110): Selectivity Depends on Excess Electrons. Journal of Physical Chemistry C, 2021, 125, 25580-25588.	3.1	2
249	One-Pot Ethyl Acetate Production from Ethanol Photooxidation on Rutile TiO2(110): Strong Photon Energy Dependence. Journal of Physical Chemistry Letters, 2022, 13, 801-807.	4.6	2
250	Ligandâ€Induced Tuning of the Electronic Structure of Rhombus Tetraboron Cluster. ChemPhysChem, 2022, 23, e202200060.	2.1	2
251	Low-Temperature Câ€“H Bond Activation: Ethylbenzene-to-Styrene Conversion on Rutile TiO₂(110). Journal of Physical Chemistry C, 2022, 126, 6231-6240.	3.1	2
252	Atomic-Scale Observation of Sequential Oxidation Process on Co(0001). Journal of Physical Chemistry Letters, 2022, 13, 5131-5136.	4.6	2

#	Article	IF	Citations
253	State-to-state dynamics of high-n Rydberg H-atom scattering with H2: inelastic scattering and reactive scattering. Physical Chemistry Chemical Physics, 2015, 17, 9659-9665.	2.8	1
254	What is â€œNew Physical Insightâ€•in Surface Photocatalytic Water Splitting?. Journal of Physical Chemistry A, 2017, 121, 9679-9679.	2.5	1
255	Modification of Surface Reactivity by CO: Effects on Decomposition and Polymerization of Acetaldehyde on Ru(0001). Chinese Journal of Chemical Physics, 2017, 30, 643-648.	1.3	1
256	Ultrafast decay dynamics of water molecules excited to electronic DÌƒâ€² and DÌƒâ€²â€² states: a time-resolved photoelectron spectroscopy study. Physical Chemistry Chemical Physics, 2019, 21, 15040-15045.	2.8	1
257	Photodissociation Dynamics of H₂O via the á¹¼â€² (¹B₂) Electronic State. Journal of Physical Chemistry A, 2021, 125, 3622-3630.	2.5	1
258	A molecular beam-surface apparatus for quantum state-resolved adsorption studies. Review of Scientific Instruments, 2022, 93, 013201.	1.3	1
259	tert-Butanol Chemistry on Rutile TiO₂(110): The Effect of Surface Oxidation. Journal of Physical Chemistry C, 2022, 126, 3457-3465.	3.1	1
260	Differential cross sections of F+HD â†' DF+H reaction at collision energies from 3.03 MeV to 17.97 MeV. Chinese Journal of Chemical Physics, 2021, 34, 925-931.	1.3	1
261	Rotational state specific dissociation dynamics of D2O via the CÌƒ(010) state: The effect of bending vibrational excitation. Journal of Chemical Physics, 2022, 156, .	3.0	1
262	Crossed Molecular Beam Study of the H + HD â†' H₂ + D Reaction at 0.60 and 1.26 eV Using the Near-Threshold Ionization Velocity Map Ion Imaging. Journal of Physical Chemistry A, 2022, 126, 4444-4450.	2.5	1
263	Acetaldehyde polymerization on Co(0001): the role of CO. Physical Chemistry Chemical Physics, 2019, 21, 8275-8281.	2.8	0
264	Photocatalytic dissociation of CH3OH on ZnO(0001) surface. Chinese Journal of Chemical Physics, 2019, 32, 525-530.	1.3	0
265	Virtual Issue on Combustion Chemistry. Journal of Physical Chemistry A, 2020, 124, 5995-5996.	2.5	0
266	VUV photodissociation of DNCO: dynamics of the D atom elimination channel. Molecular Physics, 2021, 119, e1821923.	1.7	0
267	Effects of surface defects on adsorption of CO and methyl groups on rutile TiO2(110). Chinese Journal of Chemical Physics, 2021, 34, 249-255.	1.3	0
268	Subsurfaceâ€Carbonâ€•nduced Local Charge of Copper for an Onâ€Surface Displacement Reaction. Angewandte Chemie, 2021, 133, 23307.	2.0	0
269	STATE-TO-STATE DYNAMICS OF ELEMENTARY CHEMICAL REACTIONS USING RYDBERG H-ATOM TRANSLATIONAL SPECTROSCOPY. Advanced Series in Physical Chemistry, 2004, , 87-161.	1.5	0
270	Acetone Formation from Photolysis of 2-Propanol on Anatase-TiO₂(101). Chinese Journal of Chemical Physics, 2017, 30, 1-6.	1.3	0

#	Article	IF	Citations
271	Photochemistry of 2-Propanol on Rutile TiO₂(110). Journal of Physical Chemistry C, 2022, 126, 3949-3956.	3.1	0
272	Memorial Viewpoint for Keli Han. Journal of Physical Chemistry A, 2022, 126, 3973-3975.	2.5	0