

Yuan-Pern Lee

List of Publications by Year in descending order

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papers

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76196

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times ranked

4466
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#	ARTICLE	IF	CITATIONS
1	Infrared Absorption Spectrum of the Simplest Criegee Intermediate CH ₂ OO. <i>Science</i> , 2013, 340, 174-176.	6.0	242
2	Perspective: Spectroscopy and kinetics of small gaseous Criegee intermediates. <i>Journal of Chemical Physics</i> , 2015, 143, 020901.	1.2	151
3	Extremely rapid self-reaction of the simplest Criegee intermediate CH ₂ OO and its implications in atmospheric chemistry. <i>Nature Chemistry</i> , 2014, 6, 477-483.	6.6	125
4	Photolysis of nitric acid in solid argon: the infrared absorption of peroxyxynitrous acid (HOONO). <i>The Journal of Physical Chemistry</i> , 1991, 95, 2814-2817.	2.9	97
5	Detailed mechanism of the CH ₂ I + O ₂ reaction: Yield and self-reaction of the simplest Criegee intermediate CH ₂ OO. <i>Journal of Chemical Physics</i> , 2014, 141, 104308.	1.2	93
6	Internal Rotation and Spin Conversion of CH ₃ OH in Solid para-Hydrogen. <i>Science</i> , 2006, 311, 365-368.	6.0	87
7	Photodissociation Dynamics of Phenol. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9463-9470.	1.1	82
8	Diatomic sulfur: Low lying bound molecular electronic states of S ₂ . <i>Journal of Chemical Physics</i> , 1979, 70, 947.	1.2	76
9	Photo-induced fractionation of water isotopomers in the Martian atmosphere. <i>Geophysical Research Letters</i> , 1999, 26, 3657-3660.	1.5	75
10	Infrared identification of the Criegee intermediates syn- and anti-CH ₃ CHOO, and their distinct conformation-dependent reactivity. <i>Nature Communications</i> , 2015, 6, 7012.	5.8	74
11	Synthesis and electron-transfer properties of benzimidazole-functionalized ruthenium complexes for highly efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2010, 46, 8992.	2.2	73
12	Infrared absorption of methanol clusters (CH ₃ OH) _n with $n = 2 \sim 6$ recorded with a time-of-flight mass spectrometer using infrared depletion and vacuum-ultraviolet ionization. <i>Journal of Chemical Physics</i> , 2011, 134, 144309.	1.2	73
13	Infrared spectra of free radicals and protonated species produced in para-hydrogen matrices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2200.	1.3	73
14	Absorption Cross Sections of NH ₃ , NH ₂ D, NHD ₂ , and ND ₃ in the Spectral Range 140–220 nm and Implications for Planetary Isotopic Fractionation. <i>Astrophysical Journal</i> , 2006, 647, 1535-1542.	1.6	65
15	Experimental and theoretical studies on vacuum ultraviolet absorption cross sections and photodissociation of CH ₃ OH, CH ₃ OD, CD ₃ OH, and CD ₃ OD. <i>Journal of Chemical Physics</i> , 2002, 117, 1633-1640.	1.2	64
16	Femtosecond Transient Absorption of Zinc Porphyrins with Oligo(phenylethynyl) Linkers in Solution and on TiO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11524-11531.	1.5	64
17	Temperature dependence of absorption cross-section of H ₂ O, HOD, and D ₂ O in the spectral region 140–193 nm. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 1572-1576.	0.7	59
18	Hydrogen Abstraction/Addition Tunneling Reactions Elucidate the Interstellar H ₂ NCHO/HNCO Ratio and H ₂ Formation. <i>Journal of the American Chemical Society</i> , 2019, 141, 11614-11620.	6.6	58

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19	Infrared absorption of cis-cis peroxyxynitrous acid (HOONO) in solid argon. Journal of Chemical Physics, 1994, 101, 5494-5499.	1.2	57
20	Femtosecond Excitonic Relaxation Dynamics of Perovskite on Mesoporous Films of Al ₂ O ₃ and NiO Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 9339-9342.	7.2	57
21	Three-center versus four-center elimination in photolysis of vinyl fluoride and vinyl bromide at 193 nm: Bimodal rotational distribution of HF and HBr ($v_{1/2}^5$) detected with time-resolved Fourier transform spectroscopy. Journal of Chemical Physics, 2001, 114, 7396-7406.	1.2	56
22	Wavenumbers, strengths, widths and shifts with pressure of lines in four bands of gaseous 16O ₂ in the systems $a_1^1g^+X_3^1g^+$ and $b_1^1g^+X_3^1g^+$. Journal of Quantitative Spectroscopy and Radiative Transfer, 2000, 64, 467-482.	1.1	55
23	I. Three-center versus four-center HCl-elimination in photolysis of vinyl chloride at 193 nm: Bimodal rotational distribution of HCl ($v_{1/2}^7$) detected with time-resolved Fourier-transform spectroscopy. Journal of Chemical Physics, 2001, 114, 160.	1.2	52
24	Detailed rate coefficients and the enthalpy change of the equilibrium reaction OH+C ₂ H ₄ =MHOC ₂ H ₄ over the temperature range 544-673 K. Journal of Chemical Physics, 1992, 96, 377-386.	1.2	51
25	Absorption Cross Sections of HC[CLC]I[CLC] and DC[CLC]I[CLC] at 135-232 Nanometers: Implications for Photodissociation on Venus. Astrophysical Journal, 2001, 559, L179-L182.	1.6	50
26	A new method for investigating infrared spectra of protonated benzene (C ₆ H ₇ ⁺) and cyclohexadienyl radical (<i>para</i> -C ₆ H ₇) using <i>para</i> -hydrogen. Journal of Chemical Physics, 2012, 136, 154304.	1.2	50
27	Kinetics of the reaction hydroxyl + ammonia in the range 273-433 K. The Journal of Physical Chemistry, 1990, 94, 5261-5265.	2.9	49
28	Spectroscopy of prospective interstellar ions and radicals isolated in <i>para</i> -hydrogen matrices. Physical Chemistry Chemical Physics, 2018, 20, 5344-5358.	1.3	49
29	Sulfur oxide: Low-lying bound molecular electronic states of SO. Journal of Chemical Physics, 1979, 71, 3761-3769.	1.2	48
30	Enhancement of Deuterated Ethane on Jupiter. Astrophysical Journal, 2001, 551, L93-L96.	1.6	47
31	He I Ultraviolet Photoelectron Spectroscopy of Benzene and Pyridine in Supersonic Molecular Beams Using Photoelectron Imaging. Journal of Physical Chemistry A, 2011, 115, 2953-2965.	1.1	47
32	The infrared absorption spectrum of hydroxyl radicals in solid argon. Chemical Physics Letters, 1988, 151, 109-115.	1.2	46
33	Infrared Spectra of the 1-Pyridinium (C ₅ H ₅ NH ⁺) Cation and Pyridinyl (C ₅ H ₅ N and 4-C ₅ H ₆ N) Radicals Isolated in Solid <i>para</i> -Hydrogen. Journal of Physical Chemistry A, 2013, 117, 13680-13690.	1.1	46
34	Vibronic analysis of the $\lambda_{1/2}^1$ laser-induced fluorescence of jet-cooled methoxy (CH ₃ O) radical. Journal of Chemical Physics, 1993, 99, 9465-9471.	1.2	45
35	Temperature dependence of the rate constant and the branching ratio for the reaction Cl+HO ₂ . Journal of Chemical Physics, 1982, 77, 756-763.	1.2	43
36	Vibronic analysis of the $\lambda_{1/2}^1$ laser-induced fluorescence of jet-cooled CH ₃ S. Journal of Chemical Physics, 1991, 95, 66-72.	1.2	43

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37	Direct spectral evidence of single-axis rotation and <i>ortho</i> -hydrogen-assisted nuclear spin conversion of CH ₃ F in solid <i>para</i> -hydrogen. <i>Journal of Chemical Physics</i> , 2008, 129, 104502.	1.2	43
38	Alcohol dimers – how much diagonal OH anharmonicity?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15948-15956.	1.3	43
39	Infrared spectra of CO in absorption and evaluation of radial functions for potential energy and electric dipolar moment. <i>Theoretical Chemistry Accounts</i> , 2002, 108, 85-97.	0.5	42
40	Design and Characterization of Heteroleptic Ruthenium Complexes Containing Benzimidazole Ligands for Dye-Sensitized Solar Cells: The Effect of Fluorine Substituents on Photovoltaic Performance. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1830-1835.	2.1	42
41	Production and trapping of gaseous dimeric ClO: The infrared spectrum of chlorine peroxide (ClOCl) in solid argon. <i>Journal of Chemical Physics</i> , 1989, 90, 5930-5935.	1.2	40
42	Isomers of SO ₃ : Infrared absorption of OSOO in solid argon. <i>Journal of Chemical Physics</i> , 1996, 104, 5745-5753.	1.2	40
43	Isomers of SO ₂ : Infrared absorption of SOO in solid argon. <i>Journal of Chemical Physics</i> , 1996, 105, 9454-9460.	1.2	40
44	Laser-Induced Fluorescence and Phosphorescence of C ₆₀ Isolated in Solid Ne. <i>The Journal of Physical Chemistry</i> , 1996, 100, 3927-3932.	2.9	39
45	Photodissociation of 1,1-difluoroethene (CH ₂ CF ₂) at 193 nm monitored with step-scan time-resolved Fourier-transform infrared emission spectroscopy. <i>Journal of Chemical Physics</i> , 1999, 111, 9233-9241.	1.2	39
46	Effects of Hydrogen Bonding on Internal Conversion of GFP-like Chromophores. II. The <i>meta</i> -Amino Systems. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2705-2716.	1.2	38
47	Photolysis of nitric acid in solid nitrogen. <i>Journal of Chemical Physics</i> , 1992, 97, 7167-7173.	1.2	37
48	Detection of CH in an oxyacetylene flame using two-color resonant four-wave mixing technique. <i>Journal of Chemical Physics</i> , 1995, 103, 9941-9946.	1.2	37
49	STATE-RESOLVED DYNAMICS OF PHOTOFRAGMENTATION. <i>Annual Review of Physical Chemistry</i> , 2003, 54, 215-244.	4.8	37
50	Rovibronic bands of the $\tilde{A}^1\tilde{A}'_1 \leftarrow \tilde{X}^1\tilde{A}_1$ transition of CH ₃ OO and CD ₃ OO detected with cavity ringdown absorption near 1.2–1.4 μ m. <i>Journal of Chemical Physics</i> , 2007, 127, 044311.	1.2	37
51	Infrared Spectra of Protonated Coronene and Its Neutral Counterpart in Solid Parahydrogen: Implications for Unidentified Interstellar Infrared Emission Bands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1021-1024.	7.2	37
52	Infrared spectrum of the simplest Criegee intermediate CH ₂ OO at resolution 0.25 cm ⁻¹ and new assignments of bands 2 ν_2 and ν_5 . <i>Journal of Chemical Physics</i> , 2015, 142, 214301.	1.2	37
53	Experimental and theoretical investigations of rate coefficients of the reaction S(³ P)+O[₂] in the temperature range 298–878 K. <i>Journal of Chemical Physics</i> , 2004, 121, 8271.	1.2	36
54	Effects of Hydrogen Bonding on Internal Conversion of GFP-like Chromophores. I. The <i>para</i> -Amino Systems. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2695-2704.	1.2	36

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55	Computational Chemical Kinetics for the Reaction of Criegee Intermediate CH_2OO with HNO_3 and Its Catalytic Conversion to OH and HCO. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3871-3878.	1.1	36
56	Photodissociation of HNO_3 at 193 nm: Near-infrared emission of NO detected by time-resolved Fourier transform spectroscopy. <i>Journal of Chemical Physics</i> , 1995, 103, 4879-4886.	1.2	35
57	Isomers of N_2O_3 : Observation of trans-cis N_2O_3 in solid Ar. <i>Journal of Chemical Physics</i> , 1998, 109, 10446-10455.	1.2	35
58	Quantitative spectroscopic and theoretical study of the optical absorption spectra of H_2O , HOD , and D_2O in the 125–145 nm region. <i>Journal of Chemical Physics</i> , 2004, 120, 224-229.	1.2	34
59	Experimental and Theoretical Studies of Rate Coefficients for the Reaction $\text{O}(3\text{P}) + \text{C}_2\text{H}_5\text{OH}$ at High Temperatures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6693-6703.	1.1	34
60	Infrared absorption spectra of vinyl radicals isolated in solid Ne. <i>Journal of Chemical Physics</i> , 2008, 128, 204509.	1.2	34
61	Advances in Use of H_2 as a Novel Host for Matrix IR Spectroscopy. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 771-782.	0.8	34
62	Infrared absorption of cis- and trans-alkali-metal peroxyxynitrites (MOONO , $\text{M}=\text{Li}$, Na , and K) in solid argon. <i>Journal of Chemical Physics</i> , 1995, 103, 4026-4034.	1.2	33
63	Chemiluminescence of $\text{SO}(\text{?})$ in solid argon. <i>Journal of Chemical Physics</i> , 1978, 69, 3063-3068.	1.2	33
64	Experiments and Calculations on Rate Coefficients for Pyrolysis of SO_2 and the Reaction $\text{O} + \text{SO}$ at High Temperatures. <i>Journal of Physical Chemistry A</i> , 2003, 107, 11020-11029.	1.1	32
65	Diminished cage effect in solid $p\text{-H}_2$: Infrared absorption of CH_3S observed from photolysis in situ of CH_3SH , CH_3SCH_3 , or CH_3SSCH_3 isolated in $p\text{-H}_2$ matrices. <i>Journal of Chemical Physics</i> , 2010, 133, 164316.	1.2	32
66	Infrared Spectra of Protonated Pyrene and Its Neutral Counterpart in Solid para -Hydrogen. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1989-1993.	2.1	32
67	Production and IR Absorption of Cyclic CS_2 in Solid Ar. <i>Journal of the American Chemical Society</i> , 2000, 122, 661-667.	6.6	31
68	Detection of ClCO with time-resolved Fourier-transform infrared absorption spectroscopy. <i>Chemical Physics Letters</i> , 2001, 333, 365-370.	1.2	31
69	Infrared Cavity Ringdown Spectroscopy of Jet-Cooled Polycyclic Aromatic Hydrocarbons. <i>ChemPhysChem</i> , 2004, 5, 321-326.	1.0	31
70	Formation and infrared absorption of protonated naphthalenes ($1\text{-C}_{10}\text{H}_9^+$ and $2\text{-C}_{10}\text{H}_9^+$) and their neutral counterparts in solid para -hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1907-1917.	1.3	31
71	Detailed mechanism and kinetics of the reaction of Criegee intermediate CH_2OO with HCOOH investigated via infrared identification of conformers of hydroperoxymethyl formate and formic acid anhydride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21445-21455.	1.3	31
72	Isomers of S_2O : Infrared absorption spectra of cyclic S_2O in solid Ar. <i>Journal of Chemical Physics</i> , 2002, 117, 6655-6661.	1.2	30

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73	Dissociative photoionization of CH ₂ Cl ₂ and enthalpy of formation of CHCl ₂ ⁺ : Experiments and calculations. <i>Journal of Chemical Physics</i> , 2003, 118, 62-69.	1.2	30
74	Diminished cage effect in solid p-H ₂ : Infrared spectra of ClSCS, ClCS, and ClSC in an irradiated p-H ₂ matrix containing Cl ₂ and CS ₂ . <i>Journal of Chemical Physics</i> , 2010, 132, 164303.	1.2	30
75	Transient infrared spectra of CH ₃ SOO and CH ₃ SO observed with a step-scan Fourier-transform spectrometer. <i>Journal of Chemical Physics</i> , 2010, 133, 184303.	1.2	30
76	Infrared absorption of CH ₃ O and CD ₃ O radicals isolated in solid para-H ₂ . <i>Journal of Molecular Spectroscopy</i> , 2015, 310, 57-67.	0.4	30
77	Simultaneous Infrared Detection of the ICH ₂ OO Radical and Criegee Intermediate CH ₂ OO: The Pressure Dependence of the Yield of CH ₂ OO in the Reaction CH ₂ I + O ₂ . <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4610-4615.	2.1	30
78	Laser-induced emission of CH ₃ O in solid argon. <i>Journal of Chemical Physics</i> , 1989, 90, 81-86.	1.2	29
79	Highly predissociative levels of CH B ² Σ ⁺ state detected with two-color resonant four-wave mixing spectroscopy. <i>Journal of Chemical Physics</i> , 1998, 109, 3824-3830.	1.2	29
80	Relaxation Dynamics of Ruthenium Complexes in Solution, PMMA and TiO ₂ Films: The Roles of Self-Quenching and Interfacial Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13288-13296.	1.5	29
81	Temperature dependence of the rate constant for the reaction OH + H ₂ S in He, N ₂ , and O ₂ . <i>International Journal of Chemical Kinetics</i> , 1985, 17, 1201-1214.	1.0	28
82	Kinetics of the reaction hydroxyl + sulfur dioxide in helium, nitrogen, and oxygen at low pressure. <i>The Journal of Physical Chemistry</i> , 1990, 94, 4535-4540.	2.9	28
83	Production and Infrared Absorption Spectrum of ClSO ₂ in Matrices. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3613-3619.	1.1	28
84	Quantitative spectral analysis of HCl and DCl in 120-220 nm: Effects of singlet-triplet mixing. <i>Journal of Chemical Physics</i> , 2002, 117, 4293-4298.	1.2	28
85	Identification and Self-Reaction Kinetics of Criegee Intermediates <i>syn</i> -CH ₃ CHO and CH ₂ OO via High-Resolution Infrared Spectra with a Quantum-Cascade Laser. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4391-4395.	2.1	28
86	Isomers of SNO ₂ : Production and infrared spectra of cis- and trans-OSNO from irradiated inert matrices containing OCS and NO ₂ . <i>Journal of Chemical Physics</i> , 2001, 115, 10694-10700.	1.2	27
87	Three-center versus four-center elimination of haloethene: Internal energies of HCl and HF on photolysis of CF ₂ CHCl at 193 nm determined with time-resolved Fourier-transform spectroscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 9785-9792.	1.2	27
88	Infrared absorption of CH ₃ SO ₂ detected with time-resolved Fourier-transform spectroscopy. <i>Journal of Chemical Physics</i> , 2006, 124, 244301.	1.2	27
89	Transient infrared absorption of <i>t</i> -CH ₃ C(O)OO, <i>c</i> -CH ₃ C(O)OO, and $\hat{\imath}$ -lactone recorded in gaseous reactions of CH ₃ CO and O ₂ . <i>Journal of Chemical Physics</i> , 2010, 132, 114303.	1.2	27
90	Chemiluminescence of ethylene in an inert matrix and the probable infrared spectrum of methylene. <i>Journal of Chemical Physics</i> , 1981, 75, 4241-4246.	1.2	26

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91	Laser magnetic resonance spectroscopy of ClO and kinetic studies of the reactions of ClO with NO and NO ₂ . International Journal of Chemical Kinetics, 1982, 14, 711-732.	1.0	26
92	Infrared absorption of gaseous CH ₃ OO detected with a step-scan Fourier-transform spectrometer. Journal of Chemical Physics, 2007, 127, 234318.	1.2	26
93	Detection of transient infrared absorption of SO ₃ and 1,3,2-dioxathietane-2,2-dioxide [cyc-(CH ₂)O(SO ₂)O] in the reaction CH ₂ OO+SO ₂ . Journal of Chemical Physics, 2018, 148, 064301.	1.2	26
94	IR-VUV spectroscopy of pyridine dimers, trimers and pyridine-ammonia complexes in a supersonic jet. Physical Chemistry Chemical Physics, 2020, 22, 21520-21534.	1.3	26
95	Ultraviolet absorption spectra of cis and trans potassium peroxyxynitrite (KOONO) in solid argon. Chemical Physics Letters, 1995, 242, 147-152.	1.2	25
96	Infrared matrix-isolation spectroscopy using pulsed deposition of p-H ₂ . Journal of Chemical Physics, 2004, 120, 1168-1171.	1.2	25
97	Infrared spectra of C ₂ H ₂ under jet-cooled and para-H ₂ matrix conditions. Chemical Physics Letters, 2007, 435, 247-251.	1.2	25
98	THE INFRARED SPECTRUM OF PROTONATED OVALENE IN SOLID PARA-HYDROGEN AND ITS POSSIBLE CONTRIBUTION TO INTERSTELLAR UNIDENTIFIED INFRARED EMISSION. Astrophysical Journal, 2016, 825, 96.	1.6	25
99	Formic acid chemiluminescence from cryogenic reaction between triplet methylene and oxygen. Journal of Chemical Physics, 1981, 74, 4851-4857.	1.2	24
100	Termolecular rate coefficients and the standard enthalpy of the reaction hydroxyl + carbon disulfide + M. The Journal of Physical Chemistry, 1991, 95, 379-386.	2.9	24
101	Experimental and theoretical investigation of rate coefficients of the reaction S(P ₃)+OCS in the temperature range of 298-985K. Journal of Chemical Physics, 2006, 125, 164329.	1.2	24
102	Electric Field Effects on Photoluminescence of Polyfluorene Thin Films: Dependence on Excitation Wavelength, Field Strength, and Temperature. Journal of Physical Chemistry C, 2009, 113, 11907-11915.	1.5	24
103	Infrared absorption of CH ₃ SO ₂ observed upon irradiation of a p-H ₂ matrix containing CH ₃ I and SO ₂ . Journal of Chemical Physics, 2011, 134, 124314.	1.2	24
104	Transient Infrared Absorption Spectra of Reaction Intermediates Detected with a Step-scan Fourier-transform Infrared Spectrometer. Journal of the Chinese Chemical Society, 2014, 61, 47-58.	0.8	24
105	Chemiluminescence of S ₂ in solid argon. Journal of Chemical Physics, 1979, 70, 692.	1.2	23
106	Photoionization spectra and ionization energies of HSCl, HSSH, SSCI, and HSSCl formed in the reaction system Cl/Cl ₂ /H ₂ S. Journal of Chemical Physics, 1998, 108, 6197-6204.	1.2	23
107	Site-Selective Reaction of Cl + Propene in Solid para-Hydrogen: Formation of 2-Chloropropyl Radicals. Journal of Physical Chemistry Letters, 2010, 1, 2956-2961.	2.1	23
108	Infrared Identification of Proton-Bound Rare-Gas Dimers (XeHXe) ⁺ , (KrHXe) ⁺ , and (KrHXe) ⁺ and Their Deuterated Species in Solid Hydrogen. Journal of Physical Chemistry A, 2015, 119, 2651-2660.	1.1	23

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109	Infrared spectral identification of the Criegee intermediate (CH ₃) ₂ COO. <i>Journal of Chemical Physics</i> , 2016, 145, 154303.	1.2	23
110	Rate constant of OH + OCS reaction over the temperature range 255-483 K. <i>International Journal of Chemical Kinetics</i> , 1986, 18, 1303-1314.	1.0	22
111	Linestrengths in the 3 μ O vibration-rotational band of gaseous ¹ H ³⁵ Cl and the electric dipole moment function. <i>Chemical Physics Letters</i> , 1989, 159, 239-243.	1.2	22
112	Laser-induced emission of SO in matrices: The ν_1 and the ν_2 transitions. <i>Journal of Chemical Physics</i> , 1992, 96, 8054-8061.	1.2	22
113	Intensities of lines in the band ν_1 ($\nu_2 = 0$) \times ν_3 ($\nu_4 = 0$) of ¹⁶ O ₂ in absorption. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 1227-1230.	0.1	22
114	Photoionization spectra and ionization thresholds of CH ₃ SO, CH ₃ SOH, and CH ₃ SS(O)CH ₃ . <i>Journal of Chemical Physics</i> , 1996, 105, 7402-7411.	1.2	22
115	Infrared spectrum of the 2-chloroethyl radical in solid para-hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1014-1029.	1.3	22
116	Reaction of H + HONO in solid para-hydrogen: infrared spectrum of $\dot{\text{E}}\text{ONH}(\text{OH})$. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16169-16177.	1.3	22
117	Radiative lifetime and quenching of the $\dot{\text{A}}_1$ state of the CH ₃ O radical. <i>Journal of Chemical Physics</i> , 1988, 88, 171-175.	1.2	21
118	Kinetics of the reaction hydroxyl + ethene in helium, nitrogen, and oxygen at low pressure. <i>The Journal of Physical Chemistry</i> , 1991, 95, 1253-1257.	2.9	21
119	Experimental and Theoretical Studies of the Rate Coefficients of the Reaction O(3P) + HCl at High Temperatures. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10231-10237.	1.1	21
120	Photolysis of Oxalyl Chloride (ClCO) ₂ at 248 nm: Emission of CO(ν_1 3, ν_2 51) Detected with Time-Resolved Fourier Transform Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2003, 107, 2389-2393.	1.1	21
121	Ultraviolet Absorption Spectrum of Cyclic S ₂ O in Solid Ar. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6944-6947.	1.1	21
122	Detection of ClSO with time-resolved Fourier-transform infrared absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 3179-3184.	1.2	21
123	Photoabsorption cross sections of NH ₃ , NH ₂ D, NHD ₂ , and ND ₃ in the spectral range 110-144nm. <i>Journal of Chemical Physics</i> , 2007, 127, 154311.	1.2	21
124	Ordering, Interaction, and Reactivity of the Low-Lying $\dot{\text{n}}$ and $\dot{\text{e}}$ Excited Triplet States of Acetophenone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9201-9205.	7.2	21
125	Photodissociation Dynamics of Benzaldehyde (C ₆ H ₅ CHO) at 266, 248, and 193nm. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2961-2976.	1.7	21
126	Infrared absorption of trans-1-chloromethylallyl and trans-1-methylallyl radicals produced in photochemical reactions of trans-1,3-butadiene and C ₆₀ in solid para-hydrogen. <i>Journal of Chemical Physics</i> , 2012, 137, 084310.	1.2	21

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127	Production and trapping of HOSO ₂ from the gaseous reaction OH+SO ₂ : the infrared absorption of HOSO ₂ in solid argon. <i>Chemical Physics Letters</i> , 1991, 177, 195-199.	1.2	20
128	Absorption and fluorescence of OClO \tilde{A}'_1 in solid Ne, Ar, and Kr. I. Vibrationally unrelaxed \tilde{A}'_1 emission. <i>Journal of Chemical Physics</i> , 1998, 109, 978-987.	1.2	20
129	Molecular elimination in photolysis of fluorobenzene at 193 nm: Internal energy of HF determined with time-resolved Fourier-transform spectroscopy. <i>Journal of Chemical Physics</i> , 2004, 121, 8792-8799.	1.2	20
130	Detection of Vibration-Rotational Band \tilde{O} of ¹² C ¹⁶ O with Cavity Ringdown Absorption near 0.96 μ m. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7854-7858.	1.1	20
131	Comparison of geometric, electronic, and vibrational properties for all pentagon/hexagon-bearing isomers of fullerenes C ₃₈ , C ₄₀ , and C ₄₂ . <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1999-2011.	1.0	20
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