

# Yiming Ding

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

187  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-comb spectroscopy for high-temperature reaction kinetics. Measurement Science and Technology, 2020, 31, 055501.	2.6	43
2	Measurement of the mid-infrared absorption spectra of ethylene (C <sub>2</sub> H <sub>4</sub> ) and other molecules at high temperatures and pressures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 222-223, 122-129.	2.3	36
3	A multi-wavelength speciation framework for high-temperature hydrocarbon pyrolysis. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 180-205.	2.3	24
4	High-temperature mid-infrared absorption spectra of methanol (CH <sub>3</sub> OH) and ethanol (C <sub>2</sub> H <sub>5</sub> OH) between 930 and 1170 $\text{cm}^{-1}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 396-402.	2.3	21
5	Quantitative measurements of broad-band mid-infrared absorption spectra of formaldehyde, acetaldehyde, and acetone at combustion-relevant temperatures near 5.7 $\mu\text{m}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 248, 106981.	2.3	18
6	Sensitive and interference-immune formaldehyde diagnostic for high-temperature reacting gases using two-color laser absorption near 5.6 $\mu\text{m}$ . Combustion and Flame, 2020, 213, 194-201.	5.2	13
7	Tunable laser-based detection of benzene using spectrally narrow absorption features. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	11
8	Temperature-dependent absorption cross section measurements for propene, 1-butene, cis-/trans-2-butene, isobutene and 1,3-butadiene in the spectral region 8.4–11.7 $\mu\text{m}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 255, 107240.	2.3	10
9	Shock tube measurements of high-temperature argon broadening and shift parameters for the potassium D1 and D2 resonance transitions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 275, 107895.	2.3	4
10	Collisional broadening and pressure shift of the potassium resonance doublets by nitrogen, helium, and hydrogen at high temperatures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 283, 108149.	2.3	3
11	Line mixing study on the fundamental rovibrational band of nitric oxide near 5.3 $\mu\text{m}$ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 278, 107997.	2.3	2
12	Shock tube/laser absorption measurements of the isomerization rates of allene and propyne. Combustion and Flame, 2022, 238, 111962.	5.2	2