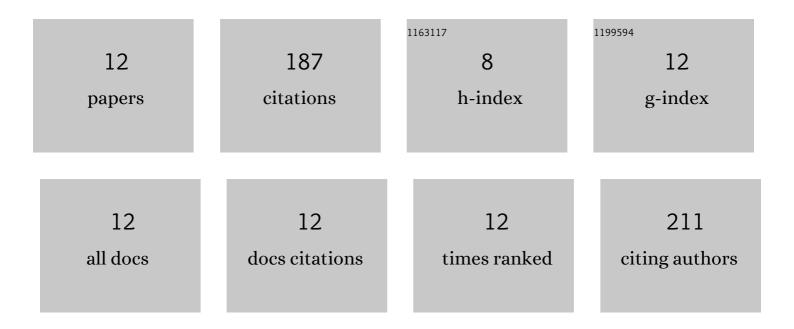
## Yiming Ding

List of Publications by Year in descending order

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YIMING DING

#	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 (C2H4) 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 (CH3OH) and ethanol (C2H5OH) between 930 and 1170 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 5.7µm. 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 5.6µm. 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 8.4–11.7µm. 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 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si41.svg"&gt;<mml:mrow><mml:mi mathvariant="normal"&gt;Î1/4</mml:mi </mml:mrow>m. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 278, 107997.</mml:math 	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