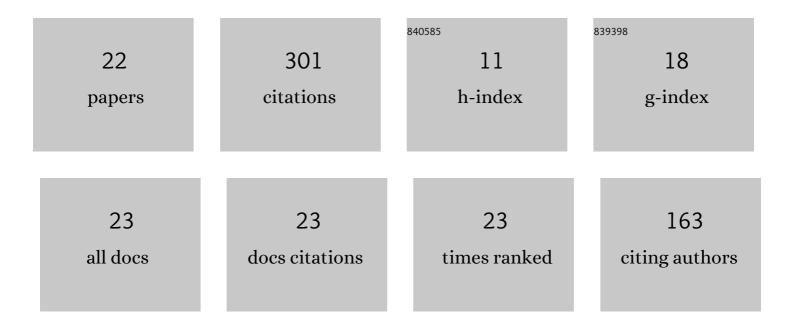
Clayton Mulvihill

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Shock-tube water time-histories and ignition delay time measurements for H2S near atmospheric pressure. Proceedings of the Combustion Institute, 2017, 36, 4019-4027.	2.4	46
2	Experimental study of ethanol oxidation behind reflected shock waves: Ignition delay time and H2O laser-absorption measurements. Combustion and Flame, 2019, 208, 313-326.	2.8	38
3	Assessment of modern detailed kinetics mechanisms to predict CO formation from methane combustion using shock-tube laser-absorption measurements. Fuel, 2019, 236, 1164-1180.	3.4	34
4	Ignition delay time and H2O measurements during methanol oxidation behind reflected shock waves. Combustion and Flame, 2019, 203, 143-156.	2.8	23
5	Ignition delay times, laminar flame speeds, and species time-histories in the H2S/CH4 system at atmospheric pressure. Proceedings of the Combustion Institute, 2019, 37, 735-742.	2.4	22
6	Concerning shock-tube ignition delay times: An experimental investigation of impurities in the H2/O2 system and beyond. Proceedings of the Combustion Institute, 2019, 37, 259-266.	2.4	19
7	Ethanol pyrolysis kinetics using H2O time history measurements behind reflected shock waves. Proceedings of the Combustion Institute, 2019, 37, 239-247.	2.4	19
8	The unimportance of the reaction H2 + N2O ⇆ H2O + N2: A shock-tube study using H2O time histor ignition delay times. Combustion and Flame, 2018, 196, 478-486.	ies and 2 . 8	18
9	High-temperature argon broadening of CO2 near 2190Âcmâ^'1 in a shock tube. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	15
10	High-temperature He- and O2-broadening of the R(12) line in the 1â†0 band of carbon monoxide. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 432-439.	1.1	15
11	H ₂ 0 time histories in the H ₂ â€NO ₂ system for validation of NOx hydrocarbon kinetics mechanisms. International Journal of Chemical Kinetics, 2019, 51, 669-678.	1.0	11
12	Shock-Tube Laser Absorption Measurements of CO and H2O during Iso-Octane Combustion. Energy & Fuels, 2020, 34, 7533-7544.	2.5	11
13	Nitromethane pyrolysis in shock tubes and a micro flow reactor with a controlled temperature profile. Proceedings of the Combustion Institute, 2021, 38, 1007-1015.	2.4	7
14	OH* chemiluminescence in the H2NO2 and H2N2O systems. Combustion and Flame, 2020, 213, 291-301.	2.8	6
15	CO and H2O Time-Histories in Shock-Heated Blends of Methane and Ethane for Assessment of a Chemical Kinetics Model. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	0.5	4
16	NOx-Hydrocarbon Kinetics Model Validation Using Measurements of H2O in Shock-Heated CH4/C2H6 Mixtures With NO2 as Oxidant. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	4
17	Isopropanol dehydration reaction rate kinetics measurement using H ₂ O time histories. International Journal of Chemical Kinetics, 2021, 53, 536-547.	1.0	4
18	A laser diagnostic at 427Ânm for quantitative measurements of CH in a shock tube. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	3

#	Article	IF	CITATIONS
19	A Shock-Tube Study of the Rate Constant of PH3 + M ⇄ PH2 + H + M (M = Ar) Using PH3 Laser Absorption. Journal of Physical Chemistry A, 2020, 124, 7380-7387.	1.1	1
20	Shock-tube Time-history Measurements of CO and H2O Using IR Laser Absorption. , 2017, , .		0
21	NOx-Hydrocarbon Kinetics Model Validation Using Measurements of H2O in Shock-Heated CH4/C2H6 Mixtures With NO2 As Oxidant. , 2018, , .		О
22	CO and H2O Time Histories in a Shock-Heated H2S/CH4 Blend Near Atmospheric Pressure. , 2019, , 185-191.		0