

Sneha Neupane

List of Publications by Year in descending order

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33
papers

597
citations

623188

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docs citations

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times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflected shock-initiated ignition probed via simultaneous lateral and endwall high-speed imaging with a transparent, cylindrical test-section. Combustion and Flame, 2021, 224, 43-53.	2.8	17
2	An improved Method for Determining Transient Fuel Dilution of Oil in an Internal-Combustion Engine Using Laser-Induced Florescence and Multivariate Least Square Calibration. Applied Spectroscopy, 2021, 75, 1237-1250.	1.2	3
3	DMMP pyrolysis and oxidation studies at high temperature inside a shock tube using laser absorption measurements of CO. Combustion and Flame, 2020, 214, 14-24.	2.8	21
4	High-pressure shock tube study of ethanol oxidation: Ignition delay time and CO time-history measurements. Combustion and Flame, 2020, 212, 486-499.	2.8	30
5	Elucidating the differences in oxidation of high-performance $\hat{1}\pm$ - and $\hat{1}^2$ - diisobutylene biofuels via Synchrotron photoionization mass spectrometry. Scientific Reports, 2020, 10, 21776.	1.6	2
6	Simultaneous measurements of carbon monoxide and ethylene time-histories during rich oxidation of a jet fuel surrogate behind reflected shock waves. , 2020, , .		0
7	DIMP Pyrolysis at High Temperatures Behind Reflected Shock Waves. , 2020, , .		0
8	Ignition delay time and CO time-history measurements in a shock tube during high performance jet fuel surrogate combustion. , 2020, , .		0
9	Laser speciation measurements during shock tube ignition of cyclic jet and rocket fuel components. , 2020, , .		0
10	Measuring the effectiveness of high-performance Co-Optima biofuels on suppressing soot formation at high temperature. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3451-3460.	3.3	31
11	Ignition Delay Times of Oxy-Syngas and Oxy-Methane in Supercritical CO ₂ Mixtures for Direct-Fired Cycles. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	19
12	Soot formation behind reflected shock waves in ethylene and oxygenated biofuels. , 2019, , .		0
13	Performance of Syngas Mechanisms with CO ₂ dilution at High Pressure. , 2019, , .		0
14	Co-optima fuels combustion: A comprehensive experimental investigation of prenoI isomers. Fuel, 2019, 254, 115630.	3.4	30
15	Theoretical Calculation of Reaction Rates and Combustion Kinetic Modeling Study of Triethyl Phosphate (TEP). Journal of Physical Chemistry A, 2019, 123, 4764-4775.	1.1	15
16	A shock tube and laser absorption study of CO time-histories during bio ether oxidation. , 2019, , .		0
17	High-Pressure Oxy-Syngas Ignition Delay Times With CO ₂ Dilution: Shock Tube Measurements and Comparison of the Performance of Kinetic Mechanisms. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	0.5	13
18	High-speed 4-D Imaging Study of Isooctane Combustion in a Shock Tube. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Infrared absorption cross sections of several organo-phosphorous chemical-weapon simulants. <i>Journal of Molecular Spectroscopy</i> , 2019, 355, 59-65.	0.4	18
20	Ignition Delay Times of Syngas and Methane in sCO ₂ Diluted Mixtures for Direct-Fired Cycles. , 2019, , .		1
21	Sarin simulants combustion at high temperature: Time-resolved laser absorption spectroscopy of intermediate products in a shock tube. , 2018, , .		0
22	A Study of Methane and Hydrogen Ignition Delay Times in CO ₂ at High Pressures Near 40 atm. , 2018, , .		0
23	Shock Tube/Laser Absorption and Kinetic Modeling Study of Triethyl Phosphate Combustion. <i>Journal of Physical Chemistry A</i> , 2018, 122, 3829-3836.	1.1	23
24	High temperature infrared absorption cross sections of methane near 3.4 μm in Ar and CO ₂ mixtures. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 206, 36-45.	1.1	19
25	MHz-Rate Measurements of Time-Resolved Species Concentrations in Shock Heated Chemical Weapon Simulants. , 2018, , .		3
26	High Pressure Ignition Delay Times Measurements and Comparison of the Performance of Several Oxy-Syngas Mechanisms Under High CO ₂ Dilution. , 2018, , .		0
27	Pyrolysis of cyclopentanone: A shock tube and laser absorption study. , 2018, , .		0
28	Time-Resolved Measurements of Intermediate Concentrations in Fuel-Rich n-Heptane Oxidation Behind Reflected Shock Waves. , 2017, , .		2
29	Fuel-rich n-heptane oxidation: A shock tube and laser absorption study. <i>Combustion and Flame</i> , 2017, 185, 220-233.	2.8	42
30	Physical and Chemical Properties and Accelerated Aging Test of Bio-oil Produced from <i>in Situ</i> Catalytic Pyrolysis in a Bench-Scale Fluidized-Bed Reactor. <i>Energy & Fuels</i> , 2015, 29, 841-848.	2.5	41
31	Effect of torrefaction on biomass structure and hydrocarbon production from fast pyrolysis. <i>Green Chemistry</i> , 2015, 17, 2406-2417.	4.6	112
32	Effect of temperature and Na ₂ CO ₃ catalyst on hydrothermal liquefaction of algae. <i>Algal Research</i> , 2015, 12, 80-90.	2.4	149
33	Particle Matter Index and Fuel Wall-wetting Relations on Stochastic Pre-ignition. , 0, , .		4