

Sneha Neupane

List of Publications by Year in descending order

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33
papers

597
citations

623188

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h-index

887659

17
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33
all docs

33
docs citations

33
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effect of torrefaction on biomass structure and hydrocarbon production from fast pyrolysis. <i>Green Chemistry</i> , 2015, 17, 2406-2417.	4.6	112
3	Fuel-rich n-heptane oxidation: A shock tube and laser absorption study. <i>Combustion and Flame</i> , 2017, 185, 220-233.	2.8	42
4	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
5	Measuring the effectiveness of high-performance Co-Optima biofuels on suppressing soot formation at high temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3451-3460.	3.3	31
6	Co-optima fuels combustion: A comprehensive experimental investigation of prenol isomers. <i>Fuel</i> , 2019, 254, 115630.	3.4	30
7	High-pressure shock tube study of ethanol oxidation: Ignition delay time and CO time-history measurements. <i>Combustion and Flame</i> , 2020, 212, 486-499.	2.8	30
8	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
9	DMMP pyrolysis and oxidation studies at high temperature inside a shock tube using laser absorption measurements of CO. <i>Combustion and Flame</i> , 2020, 214, 14-24.	2.8	21
10	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
11	Ignition Delay Times of Oxy-Syngas and Oxy-Methane in Supercritical CO ₂ Mixtures for Direct-Fired Cycles. <i>Journal of Engineering for Gas Turbines and Power</i> , 2020, 142, .	0.5	19
12	Infrared absorption cross sections of several organo-phosphorous chemical-weapon simulants. <i>Journal of Molecular Spectroscopy</i> , 2019, 355, 59-65.	0.4	18
13	Reflected shock-initiated ignition probed via simultaneous lateral and endwall high-speed imaging with a transparent, cylindrical test-section. <i>Combustion and Flame</i> , 2021, 224, 43-53.	2.8	17
14	Theoretical Calculation of Reaction Rates and Combustion Kinetic Modeling Study of Triethyl Phosphate (TEP). <i>Journal of Physical Chemistry A</i> , 2019, 123, 4764-4775.	1.1	15
15	High-Pressure Oxy-Syngas Ignition Delay Times With CO ₂ Dilution: Shock Tube Measurements and Comparison of the Performance of Kinetic Mechanisms. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019, 141, .	0.5	13
16	Particle Matter Index and Fuel Wall-wetting Relations on Stochastic Pre-ignition. , 0, , .		4
17	MHz-Rate Measurements of Time-Resolved Species Concentrations in Shock Heated Chemical Weapon Simulants. , 2018, , .		3
18	An improved Method for Determining Transient Fuel Dilution of Oil in an Internal-Combustion Engine Using Laser-Induced Florescence and Multivariate Least Square Calibration. <i>Applied Spectroscopy</i> , 2021, 75, 1237-1250.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Time-Resolved Measurements of Intermediate Concentrations in Fuel-Rich n-Heptane Oxidation Behind Reflected Shock Waves. , 2017, , .		2
20	High-speed 4-D Imaging Study of Isooctane Combustion in a Shock Tube. , 2019, , .		2
21	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
22	Ignition Delay Times of Syngas and Methane in sCO ₂ Diluted Mixtures for Direct-Fired Cycles. , 2019, , .		1
23	Sarin simulants combustion at high temperature: Time-resolved laser absorption spectroscopy of intermediate products in a shock tube. , 2018, , .		0
24	A Study of Methane and Hydrogen Ignition Delay Times in CO ₂ at High Pressures Near 40 atm. , 2018, , .		0
25	High Pressure Ignition Delay Times Measurements and Comparison of the Performance of Several Oxy-Syngas Mechanisms Under High CO ₂ Dilution. , 2018, , .		0
26	Pyrolysis of cyclopentanone: A shock tube and laser absorption study. , 2018, , .		0
27	Soot formation behind reflected shock waves in ethylene and oxygenated biofuels. , 2019, , .		0
28	Performance of Syngas Mechanisms with CO ₂ dilution at High Pressure. , 2019, , .		0
29	A shock tube and laser absorption study of CO time-histories during bio ether oxidation. , 2019, , .		0
30	Simultaneous measurements of carbon monoxide and ethylene time-histories during rich oxidation of a jet fuel surrogate behind reflected shock waves. , 2020, , .		0
31	DIMP Pyrolysis at High Temperatures Behind Reflected Shock Waves. , 2020, , .		0
32	Ignition delay time and CO time-history measurements in a shock tube during high performance jet fuel surrogate combustion. , 2020, , .		0
33	Laser speciation measurements during shock tube ignition of cyclic jet and rocket fuel components. , 2020, , .		0