Sven Eckart

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7139962/publications.pdf

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13	234	1162367 8	1281420 11
papers	citations	h-index	g-index

13	13	13	119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive kinetic model for dimethyl ether and dimethoxymethane oxidation and NO interaction utilizing experimental laminar flame speed measurements at elevated pressure and temperature. Combustion and Flame, 2020, 218, 57-74.	2.8	66
2	Laminar burning velocities, CO, and NOx emissions of premixed polyoxymethylene dimethyl ether flames. Fuel, 2021, 293, 120321.	3.4	38
3	Experimental study and proposed power correlation for laminar burning velocity of hydrogen-diluted methane with respect to pressure and temperature variation. International Journal of Hydrogen Energy, 2022, 47, 6334-6348.	3.8	28
4	Experimental and numerical investigations on extinction strain rates in non-premixed counterflow methane and propane flames in an oxygen reduced environment. Fuel, 2021, 298, 120781.	3.4	24
5	Laminar burning velocities of low calorific and hydrogen containing fuel blends. Energy Procedia, 2017, 120, 149-156.	1.8	21
6	Experimental Investigation of Ethanol Oxidation and Development of a Reduced Reaction Mechanism for a Wide Temperature Range. Energy & Fuels, 2021, 35, 14780-14792.	2.5	14
7	Insight into fuel isomeric effects on laminar flame propagation of pentanones. Proceedings of the Combustion Institute, 2021, 38, 2135-2142.	2.4	13
8	Determining the laminar burning velocity of nitrogen diluted dimethoxymethane (<scp> OME) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 International Journal of Energy Research, 2021, 45, 2824-2836.	2.2	10
9	A brief comparative study of the potentialities and limitations of machine-learning algorithms and statistical techniques. E3S Web of Conferences, 2021, 266, 02001.	0.2	6
10	Application and comparison of multiple machine learning techniques for the calculation of laminar burning velocity for hydrogen-methane mixtures. Thermal Science and Engineering Progress, 2022, 32, 101306.	1.3	6
11	Machine learning techniques to predict the flame state, temperature and species concentrations in counter-flow diffusion flames operated with CH4/CO/H2-air mixtures. Fuel, 2022, 326, 124915.	3.4	6
12	Microwave influenced laminar premixed hydrocarbon flames: Spectroscopic investigations. , 0, , .		1
13	Short overview on combustion systems scaleâ€up with emphasis on NOx emissions of gasâ€fired furnaces. Energy Science and Engineering, 2022, 10, 621-629.	1.9	1