

Sven Eckart

List of Publications by Year in descending order

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papers

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docs citations

13
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119
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.	5.2	66
2	Laminar burning velocities, CO, and NOx emissions of premixed polyoxymethylene dimethyl ether flames. Fuel, 2021, 293, 120321.	6.4	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.	7.1	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.	6.4	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.	5.1	14
7	Insight into fuel isomeric effects on laminar flame propagation of pentanones. Proceedings of the Combustion Institute, 2021, 38, 2135-2142.	3.9	13
8	Determining the laminar burning velocity of nitrogen diluted dimethoxymethane (<sc>OME) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 International Journal of Energy Research, 2021, 45, 2824-2836.	4.5	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.	0.5	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.	2.7	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.	6.4	6
12	Microwave influenced laminar premixed hydrocarbon flames: Spectroscopic investigations. , 0, , .		1
13	Short overview on combustion systems scaleâ€p with emphasis on NOx emissions of gasâ€fired furnaces. Energy Science and Engineering, 2022, 10, 621-629.	4.0	1