

Torsten Methling

List of Publications by Year in descending order

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15
papers

151
citations

1307366

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h-index

1199470

12
g-index

15
all docs

15
docs citations

15
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Future Fuelsâ€”Analyses of the Future Prospects of Renewable Synthetic Fuels. <i>Energies</i> , 2020, 13, 138.	1.6	25
2	Power generation based on biomass by combined fermentation and gasification â€” A new concept derived from experiments and modelling. <i>Bioresource Technology</i> , 2014, 169, 510-517.	4.8	23
3	Experimental and modeling study of nitric oxide formation in premixed methanol+Air flames. <i>Combustion and Flame</i> , 2020, 213, 322-330.	2.8	20
4	A novel linear transformation model for the analysis and optimisation of chemical kinetics. <i>Combustion Theory and Modelling</i> , 2017, 21, 503-528.	1.0	17
5	Climate Impact Reduction Potentials of Synthetic Kerosene and Green Hydrogen Powered Mid-Range Aircraft Concepts. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5950.	1.3	13
6	An optimised chemical kinetic model for the combustion of fuel mixtures of syngas and natural gas. <i>Fuel</i> , 2020, 262, 116611.	3.4	10
7	Combustion kinetics of alternative jet fuels, Part-III: Fuel modeling and surrogate strategy. <i>Fuel</i> , 2021, 302, 120737.	3.4	9
8	A Chemical-Kinetic Investigation of Combustion Properties of Alternative Fuels: A Step Towards More Efficient Power Generation. , 2013, , .		8
9	Fiber-based stray light suppression in spectroscopy using periodic shadowing. <i>Optics Express</i> , 2021, 29, 7232.	1.7	7
10	An Investigation of Combustion Properties of Butanol and Its Potential for Power Generation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018, 140, .	0.5	6
11	Measurements of the laminar burning velocities and NO concentrations in neat and blended ethanol and n-heptane flames. <i>Fuel</i> , 2021, 288, 119585.	3.4	6
12	â€œGreen propellantsâ€”as a hydrazine substitute: experimental investigations of ethane/ethene-nitrous oxide mixtures and validation of detailed reaction mechanism. <i>CEAS Space Journal</i> , 2022, 14, 151-159.	1.1	3
13	ETHENE/NITROUS OXIDE MIXTURES AS GREEN PROPELLANT TO SUBSTITUTE HYDRAZINE: REACTION MECHANISM VALIDATION. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2020, 19, 65-71.	0.2	3
14	An Investigation of Combustion Properties of a Gasoline Primary Reference Fuel Surrogate Blended With Butanol. , 2019, , .		1
15	An Investigation of Combustion Properties of Butanol and its Potential for Power Generation. , 2017, , .		0