

Ali Shamooni

List of Publications by Year in descending order

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papers

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9
docs citations

9
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120
citing authors

#	ARTICLE	IF	CITATIONS
1	LES of flame acceleration and DDT in hydrogen-air mixture using artificially thickened flame approach and detailed chemical kinetics. International Journal of Hydrogen Energy, 2015, 40, 7395-7408.	7.1	51
2	Asymmetric hydrogen flame in a heated micro-channel: Role of Darrieus-Landau and thermal-diffusive instabilities. International Journal of Hydrogen Energy, 2016, 41, 20407-20417.	7.1	20
3	Carrier-phase DNS of detailed NOx formation in early-stage pulverized coal combustion with fuel-bound nitrogen. Fuel, 2021, 291, 119998.	6.4	13
4	Detailed modeling of aluminum particle combustion - From single particles to cloud combustion in Bunsen flames. Chinese Journal of Aeronautics, 2022, 35, 319-332.	5.3	10
5	Detailed analysis of early-stage NO formation in turbulent pulverized coal combustion with fuel-bound nitrogen. Proceedings of the Combustion Institute, 2021, 38, 4111-4119.	3.9	9
6	Prediction of Combustion and Heat Release Rates in Non-Premixed Syngas Jet Flames Using Finite-Rate Scale Similarity Based Combustion Models. Energies, 2018, 11, 2464.	3.1	5
7	New Dynamic Scale Similarity Based Finite-Rate Combustion Models for LES and a priori DNS Assessment in Non-premixed Jet Flames with High Level of Local Extinction. Flow, Turbulence and Combustion, 2020, 104, 233-260.	2.6	5
8	Investigation of Turbulent Pulverized Solid Fuel Combustion with Detailed Homogeneous and Heterogeneous Kinetics. Energy & Fuels, 2021, 35, 7077-7091.	5.1	5
9	An a priori DNS analysis of scale similarity based combustion models for LES of non-premixed jet flames. Flow, Turbulence and Combustion, 2020, 104, 605-624.	2.6	4