

Ahfaz Ahmed

List of Publications by Year in descending order

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18
papers

698
citations

840776

11
h-index

1058476

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18
all docs

18
docs citations

18
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed examination of the combustion of diesel and glycerol emulsions in a compression ignition engine. <i>Fuel</i> , 2021, 291, 120147.	6.4	14
2	Curvature effects on NO formation in wrinkled laminar ammonia/hydrogen/nitrogen-air premixed flames. <i>Combustion and Flame</i> , 2021, 232, 111520.	5.2	36
3	A comprehensive combustion chemistry study of n-propylcyclohexane. <i>Combustion and Flame</i> , 2021, 233, 111576.	5.2	13
4	Small ester combustion chemistry: Computational kinetics and experimental study of methyl acetate and ethyl acetate. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 419-428.	3.9	45
5	Auto-ignition of direct injection spray of light naphtha, primary reference fuels, gasoline and gasoline surrogate. <i>Energy</i> , 2019, 170, 375-390.	8.8	20
6	Combustion-Based Transportation in a Carbon-Constrained World—A Review. <i>Energy, Environment, and Sustainability</i> , 2019, , 7-34.	1.0	3
7	Impact of thermodynamic properties and heat loss on ignition of transportation fuels in rapid compression machines. <i>Fuel</i> , 2018, 218, 203-212.	6.4	3
8	A surrogate fuel formulation to characterize heating and evaporation of light naphtha droplets. <i>Combustion Science and Technology</i> , 2018, 190, 1218-1231.	2.3	13
9	Autoignition of straight-run naphtha: A promising fuel for advanced compression ignition engines. <i>Combustion and Flame</i> , 2018, 189, 337-346.	5.2	29
10	Numerical Simulations of High Reactivity Gasoline Fuel Sprays under Vaporizing and Reactive Conditions. , 2018, , .		4
11	Ignition studies of two low-octane gasolines. <i>Combustion and Flame</i> , 2017, 185, 152-159.	5.2	56
12	Autoignition characteristics of oxygenated gasolines. <i>Combustion and Flame</i> , 2017, 186, 114-128.	5.2	63
13	Ignition delay measurements of light naphtha: A fully blended low octane fuel. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 315-322.	3.9	46
14	Compositional effects on the ignition of FACE gasolines. <i>Combustion and Flame</i> , 2016, 169, 171-193.	5.2	174
15	A computational methodology for formulating gasoline surrogate fuels with accurate physical and chemical kinetic properties. <i>Fuel</i> , 2015, 143, 290-300.	6.4	134
16	Compositional Effects of Gasoline Fuels on Combustion, Performance and Emissions in Engine. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 9, 460-468.	0.2	14
17	Primary Reference Fuels (PRFs) as Surrogates for Low Sensitivity Gasoline Fuels. , 0, , .		17
18	Standardized Gasoline Compression Ignition Fuels Matrix. , 0, , .		14