

Atmadeep Bhattacharya

List of Publications by Year in descending order

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14
papers

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1307594

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docs citations

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181
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of blending 2,5-dimethylfuran and dimethyl ether to toluene primary reference fuels: A chemical kinetic study. <i>Fuel</i> , 2021, 304, 121401.	6.4	4
2	Kinetic modeling of biomass gasification and tar formation in a fluidized bed gasifier using equivalent reactor network (ERN). <i>Fuel</i> , 2020, 280, 118582.	6.4	18
3	Effects of blending 2,5-dimethylfuran on the laminar burning velocity and ignition delay time of isooctane/air mixture. <i>Combustion Theory and Modelling</i> , 2019, 23, 105-126.	1.9	10
4	An investigation into the heat release and emissions from counterflow diffusion flames of methane/dimethyl ether/hydrogen blends in air. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22328-22346.	7.1	20
5	Formation of hollow and solid carbon spheres in thermally stressed jet fuel in the low temperature autoxidation regime. <i>Chemical Engineering Science</i> , 2019, 206, 335-347.	3.8	5
6	Laminar Burning Velocity of Biomass-Derived Fuels and Its Significance in Combustion Devices. <i>Green Energy and Technology</i> , 2018, , 359-378.	0.6	7
7	Effects of nitromethane addition on the laminar burning velocity and ignition delay of syngas/air flames. <i>Combustion Science and Technology</i> , 2018, 190, 1283-1301.	2.3	5
8	Syngas as SI Engine Fuel: Combustion Perspective. , 2017, , 381-397.		1
9	Laminar burning velocity and ignition delay time for premixed isooctane-air flames with syngas addition. <i>Combustion Theory and Modelling</i> , 2017, 21, 228-247.	1.9	11
10	Effects of Exhaust Gas Dilution on the Laminar Burning Velocity of Real-World Gasoline Fuel Flame in Air. <i>Energy & Fuels</i> , 2015, 29, 6768-6779.	5.1	14
11	Exergy based performance analysis of hydrogen production from rice straw using oxygen blown gasification. <i>Energy</i> , 2014, 69, 525-533.	8.8	34
12	Modeling of hydrogen production process from biomass using oxygen blown gasification. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18782-18790.	7.1	31
13	Analysis of laminar premixed flame structure of isooctane/2-methylfuran/air mixtures with a skeletal mechanism. <i>Combustion Theory and Modelling</i> , 0, , 1-34.	1.9	1
14	Analysis of Gasoline Surrogate Combustion Chemistry with a Skeletal Mechanism. , 0, , .		6