Atmadeep Bhattacharya

List of Publications by Year
in descending order

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14 papers	167 citations	1307594 7 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	181 citing authors

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