Ashish Shah

List of Publications by Year
in descending order

16 papers	415 citations	1684188 5 h-index	1872680 6 g-index
16 all docs	16 docs citations	16 times ranked	207 citing authors

#	Article	IF	Citations
1	Effect of Pre-Chamber Volume and Nozzle Diameter on Pre-Chamber Ignition in Heavy Duty Natural Gas Engines. , 0, , .		93
2	Detailed numerical simulation of transient mixing and combustion of premixed methane/air mixtures in a pre-chamber/main-chamber system relevant to internal combustion engines. Combustion and Flame, 2018, 188, 357-366.	5.2	79
3	Investigation of Performance and Emission Characteristics of a Heavy Duty Natural Gas Engine Operated with Pre-Chamber Spark Plug and Dilution with Excess Air and EGR. SAE International Journal of Engines, 0, 5, 1790-1801.	0.4	56
4	Effect of Relative Mixture Strength on Performance of Divided Chamber â€˜Avalanche Activated Combustionâ€™ Ignition Technique in a Heavy Duty Natural Gas Engine. , 0, , .		43
5	CFD Simulations of Pre-Chamber Jets' Mixing Characteristics in a Heavy Duty Natural Gas Engine. , 0, , .		33
6	Scalability Aspects of Pre-Chamber Ignition in Heavy Duty Natural Gas Engines. , 0, , .		21
7	Towards in-cylinder chemical species tomography on large-bore IC engines with pre-chamber. Flow Measurement and Instrumentation, 2017, 53, 116-125.	2.0	20
8	Numerical investigation of a fueled pre-chamber spark-ignition natural gas engine. International Journal of Engine Research, 2022, 23, 1475-1494.	2.3	18
9	Assessment of Turbulent Combustion Models for Simulating Prechamber Ignition in a Natural Gas Engine. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	11
10	Gasoline fuels properties for multi-mode operation â€“ Observations in a GDI and the CFR engine. Fuel, 2021, 291, 119680.	6.4	9
11	Utilizing Static Autoignition Measurements to Estimate Intake Air Condition Requirements for Compression Ignition in a Multi-Mode Engine - Application of Chemical Kinetic Modeling. , 0, , .		8
12	An experimental study of uncertainty considerations associated with predicting auto-ignition timing using the Livengood-Wu integral method. Fuel, 2021, 286, 119025.	6.4	7
13	Applicability of Ionization Current Sensing Technique with Plasma Jet Ignition Using Pre-Chamber Spark Plug in a Heavy Duty Natural Gas Engine. , 2012, , .		6
14	Utilizing Static Autoignition Measurements to Estimate Intake Air Condition Requirements for Compression Ignition in a Multi-Mode Engine - Engine and RCM Experimental Study. , 0, , .		6
15	Numerical Analysis of Fuel Impacts on Advanced Compression Ignition Strategies for Multi-Mode Internal Combustion Engines. , 0, , .		3
16	Investigations into EGR dilution tolerance in a pre-chamber ignited GDI engine. International Journal of Engine Research, 2023, 24, 1200-1222.	2.3	2