

Priybrat Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

566
citations

759055

12
h-index

996849

15
g-index

20
all docs

20
docs citations

20
times ranked

369
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effect of hydrogen supplementation on engine performance and emissions. International Journal of Hydrogen Energy, 2018, 43, 7570-7580. | 3.8 | 103 |
| 2 | Experimental study of engine performance and emissions for hydrogen diesel dual fuel engine with exhaust gas recirculation. International Journal of Hydrogen Energy, 2019, 44, 12163-12175. | 3.8 | 78 |
| 3 | Combustion, vibration and noise analysis of hydrogen-diesel dual fuelled engine. Fuel, 2019, 241, 488-494. | 3.4 | 63 |
| 4 | Compression ratio influence on combustion and emissions characteristic of hydrogen diesel dual fuel CI engine: Numerical Study. Fuel, 2018, 222, 852-858. | 3.4 | 58 |
| 5 | Optical diagnostics on the pre-chamber jet and main chamber ignition in the active pre-chamber combustion (PCC). Combustion and Flame, 2021, 228, 218-235. | 2.8 | 50 |
| 6 | Effect of hydrogen fumigation on combustion stability and unregulated emissions in a diesel fuelled compression ignition engine. Applied Energy, 2019, 253, 113620. | 5.1 | 31 |
| 7 | Impact of spray-wall interaction on the in-cylinder spatial unburned hydrocarbon distribution of a gasoline partially premixed combustion engine. Combustion and Flame, 2020, 215, 157-168. | 2.8 | 28 |
| 8 | Computational investigation of diesel injection strategies in hydrogen-diesel dual fuel engine. Sustainable Energy Technologies and Assessments, 2019, 36, 100543. | 1.7 | 22 |
| 9 | Effect of methane augmentation on combustion stability and unregulated emissions in compression ignition engine. Fuel, 2020, 263, 116672. | 3.4 | 22 |
| 10 | Study on the effects of narrow-throat pre-chamber geometry on the pre-chamber jet velocity using dual formaldehyde PLIF imaging. Combustion and Flame, 2022, 240, 111987. | 2.8 | 21 |
| 11 | Development of chemical kinetics based hydrogen HCCI combustion model for parametric investigation. International Journal of Hydrogen Energy, 2016, 41, 6148-6154. | 3.8 | 17 |
| 12 | Effect of methane augmentations on engine performance and emissions. AEJ - Alexandria Engineering Journal, 2020, 59, 429-439. | 3.4 | 16 |
| 13 | Simultaneous Negative PLIF and OH* Chemiluminescence Imaging of the Gas Exchange and Flame Jet from a Narrow Throat Pre-Chamber. , 0, , . | | 12 |
| 14 | Study on the Pre-Chamber Fueling Ratio Effect on the Main Chamber Combustion Using Simultaneous PLIF and OH* Chemiluminescence Imaging. SAE International Journal of Advances and Current Practices in Mobility, 0, 3, 137-149. | 2.0 | 12 |
| 15 | Optical Study on the Fuel Spray Characteristics of the Four-Consecutive-Injections Strategy Used in High-Pressure Isobaric Combustion. , 0, , . | | 10 |
| 16 | Visualization of Pre-Chamber Combustion and Main Chamber Jets with a Narrow Throat Pre-Chamber. SAE International Journal of Advances and Current Practices in Mobility, 0, 4, 2300-2315. | 2.0 | 7 |
| 17 | Computational study of diesel injection strategies for methane-diesel dual fuel engine. Cleaner Engineering and Technology, 2022, 6, 100393. | 2.1 | 6 |
| 18 | Advances in Hydrogen-Fuelled Compression Ignition Engine. Energy, Environment, and Sustainability, 2018, , 55-78. | 0.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A Pathway to Ultra-Lean IC Engine Combustion: The Narrow Throat Pre-chamber. Energy, Environment, and Sustainability, 2022, , 175-203. | 0.6 | 4 |
| 20 | Particulate Emissions from Hydrogen Diesel Fuelled CI Engines. Energy, Environment, and Sustainability, 2019, , 199-211. | 0.6 | 2 |