

# Priybrat Sharma

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19  
papers

277  
citations

10  
h-index

16  
g-index

20  
ext. papers

424  
ext. citations

5  
avg, IF

4.33  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 19 | Effect of hydrogen supplementation on engine performance and emissions. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 7570-7580   | 6.7  | 60        |
| 18 | Experimental study of engine performance and emissions for hydrogen diesel dual fuel engine with exhaust gas recirculation. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 12163-12175                                 | 6.7  | 39        |
| 17 | Combustion, vibration and noise analysis of hydrogen-diesel dual fuelled engine. <i>Fuel</i> , <b>2019</b> , 241, 488-494.  | 4.1  | 35        |
| 16 | Compression ratio influence on combustion and emissions characteristic of hydrogen diesel dual fuel CI engine: Numerical Study. <i>Fuel</i> , <b>2018</b> , 222, 852-858  | 7.1  | 33        |
| 15 | Effect of hydrogen fumigation on combustion stability and unregulated emissions in a diesel fuelled compression ignition engine. <i>Applied Energy</i> , <b>2019</b> , 253, 113620  | 10.7 | 18        |
| 14 | Optical diagnostics on the pre-chamber jet and main chamber ignition in the active pre-chamber combustion (PCC). <i>Combustion and Flame</i> , <b>2021</b> , 228, 218-235   | 5.3  | 17        |
| 13 | Development of chemical kinetics based hydrogen HCCI combustion model for parametric investigation. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 6148-6154   | 6.7  | 15        |
| 12 | Impact of spray-wall interaction on the in-cylinder spatial unburned hydrocarbon distribution of a gasoline partially premixed combustion engine. <i>Combustion and Flame</i> , <b>2020</b> , 215, 157-168                                  | 5.3  | 13        |
| 11 | Computational investigation of diesel injection strategies in hydrogen-diesel dual fuel engine. <i>Sustainable Energy Technologies and Assessments</i> , <b>2019</b> , 36, 100543   | 4.7  | 10        |
| 10 | Effect of methane augmentation on combustion stability and unregulated emissions in compression ignition engine. <i>Fuel</i> , <b>2020</b> , 263, 116672  | 7.1  | 10        |
| 9  | Effect of methane augmentations on engine performance and emissions. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 429-439  | 6.1  | 7         |
| 8  | Study on the Pre-Chamber Fueling Ratio Effect on the Main Chamber Combustion Using Simultaneous PLIF and OH* Chemiluminescence Imaging. <i>SAE International Journal of Advances and Current Practices in Mobility</i> , <b>3</b> , 137-149 | 1    | 5         |
| 7  | Optical Study on the Fuel Spray Characteristics of the Four-Consecutive-Injections Strategy Used in High-Pressure Isobaric Combustion   |      | 4         |
| 6  | Simultaneous Negative PLIF and OH* Chemiluminescence Imaging of the Gas Exchange and Flame Jet from a Narrow Throat Pre-Chamber   |      | 4         |
| 5  | Advances in Hydrogen-Fuelled Compression Ignition Engine. <i>Energy, Environment, and Sustainability</i> , <b>2018</b> , 55-78  | 0.8  | 3         |
| 4  | Study on the effects of narrow-throat pre-chamber geometry on the pre-chamber jet velocity using dual formaldehyde PLIF imaging. <i>Combustion and Flame</i> , <b>2022</b> , 240, 111987  | 5.3  | 2         |
| 3  | Particulate Emissions from Hydrogen Diesel Fuelled CI Engines. <i>Energy, Environment, and Sustainability</i> , <b>2019</b> , 199-211   | 0.8  | 2         |

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|---|---|-----|---|
| 2 | Computational study of diesel injection strategies for methane-diesel dual fuel engine. <i>Cleaner Engineering and Technology</i> , <b>2022</b> , 6, 100393 | 2.7 | o |
| 1 | A Pathway to Ultra-Lean IC Engine Combustion: The Narrow Throat Pre-chamber. <i>Energy, Environment, and Sustainability</i> , <b>2022</b> , 175-203         | 0.8 | o |