

# Niraj Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

971  
citations

1039406

9  
h-index

887659

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1008  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A comprehensive review on combustion and stability aspects of metal nanoparticles and its additive effect on diesel and biodiesel fuelled C.I. engine. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 563-588.                                    | 8.2 | 280       |
| 2  | Performance and emission characteristics of biodiesel from different origins: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 633-658.   | 8.2 | 225       |
| 3  | Oxidative stability of biodiesel: Causes, effects and prevention. <i>Fuel</i> , 2017, 190, 328-350.  | 3.4 | 214       |
| 4  | Multi-objective optimization of modified nanofluid fuel blends at different TiO <sub>2</sub> nanoparticle concentration in diesel engine: Experimental assessment and modeling. <i>Applied Energy</i> , 2019, 248, 330-353.                                    | 5.1 | 60        |
| 5  | A review on methodology for complete elimination of diesel from CI engines using mixed feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 1110-1125.   | 8.2 | 51        |
| 6  | Evaluation of endurance characteristics for a modified diesel engine runs on jatropha biodiesel. <i>Applied Energy</i> , 2015, 155, 253-269.   | 5.1 | 43        |
| 7  | Evaluation of the effects of engine parameters on performance and emissions of diesel engine operating with biodiesel blend. <i>International Journal of Ambient Energy</i> , 2016, 37, 121-135.   | 1.4 | 32        |
| 8  | Biodiesel as an alternative fuel for CI engines: environmental effect. <i>Indian Journal of Science and Technology</i> , 2010, 3, 602-606.   | 0.5 | 18        |
| 9  | Study of oxygenated ecofuel applications in CI engine, gas turbine, and jet engine. , 2019, , 405-441.   |     | 14        |
| 10 | Combustion, performance and emissions of Acacia concinna biodiesel blends in a diesel engine with variable specific heat ratio. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1281-1298.   | 2.0 | 12        |
| 11 | Recycling Potential of Building Materials: A Review. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2015, , 31-50.   | 0.7 | 10        |
| 12 | RSM/DFA computation approach for optimization and modeling of CI engine performance and emission characteristics fuelled with preheated fuel blend modified with TiO <sub>2</sub> nanomaterial. <i>Materials Today: Proceedings</i> , 2021, 38, 350-358.       | 0.9 | 3         |
| 13 | Biodiesel synthesis from Acacia concinna seed oil: A comprehensive study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2009-2020.  | 1.2 | 2         |
| 14 | Investigations on the Tribological Characteristics of TiO <sub>2</sub> -Doped Nanofluid Fuel (Biodiesel/Diesel) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2<br>ASME, 2021, 143, .   | 1.4 | 2         |
| 15 | Technology Entrepreneurship Capability Development in Indian Automotive Industry. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 561-567.  | 0.3 | 1         |
| 16 | Multi-objective Process Optimization of Biodiesel Synthesis from Acacia concinna Seed Oil Using TOPSIS and GRA Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 353-361.   | 0.3 | 0         |
| 17 | Experimental investigations for rheological characteristics of TiO <sub>2</sub> nanoparticles doped diesel, biodiesel fuel blends for use in compression ignition engine. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 691, 012022. | 0.3 | 0         |