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<a href="#">Investigation on emission characteristics of alcohol biodiesel blended diesel engine</a> KN Balan, U Yashvanth, P Booma Devi, T Arvind, H Nelson, Y Devarajan Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 41 ...	60	2019
<a href="#">Comparative study of nanoadditives TiO<sub>2</sub>, CNT, Al<sub>2</sub>O<sub>3</sub>, CuO and CeO<sub>2</sub> on reduction of diesel engine emission operating on hydrogen fuel blends</a> S Manigandan, R Sarweswaran, PB Devi, Y Sohret, A Kondratiev, ... Fuel 262, 116336	32	2020
<a href="#">Effect of nanoparticles and hydrogen on combustion performance and exhaust emission of corn blended biodiesel in compression ignition engine with advanced timing</a> S Manigandan, VK Ponnusamy, PB Devi, SA Oke, Y Sohret, S Venkatesh, ... International Journal of Hydrogen Energy 45 (4), 3327-3339	30	2020
<a href="#">The effect of TiO<sub>2</sub> on engine emissions for gas turbine engine fueled with jatropha, butanol, soya and rapeseed oil</a> PB Devi, DR Joseph, R Gokulnath, S Manigandan, P Gunasekar, ... International Journal of Turbo & Jet-Engines 37 (1), 85-94	12	2020
<a href="#">Computational analysis of cavity effect over aircraft wing</a> PB Devi, DA Shah International Journal of Mechanical, Aerospace, Industrial, Mechatronic and ...	11	2016
<a href="#">Heat transfer and temperature effects on a dimpled NACA0012 airfoil with various angles of attack</a> PB Devi, V Paulson, V Madhanraj, DA Shah International Journal of Ambient Energy 39 (8), 783-786	5	2018
<a href="#">Influence of rice husk nanoparticles on engine performance and emission characteristics of diesel and neem oil biodiesel blends in a single cylinder diesel engine</a> S Sivasaravanam, P Booma Devi, M Nagaraj, J Jeya Jeevahan, ... Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 1-16	3	2019
<a href="#">Investigation on effect of square dimples on NACA0012 airfoil with various Reynolds numbers</a> DR Joseph, PB Devi, M Gopalsamy International Journal of Ambient Energy, 1-6	3	2018
<a href="#">CFD analysis of Savonius type vertical axis wind turbine</a> R Gokulnath, PB Devi, M Senbagan, S Manigandan International Journal of Mechanical Engineering and Technology 9 (8), 1378-1383	3	2018
<a href="#">Effect of square dimples on the temperature distribution and heat transfer coefficient of an NACA0012 airfoil</a> P Booma Devi, DA Shah International Journal of Ambient Energy 40 (7), 754-757	2	2019

TITLE	CITED BY	YEAR
<a href="#">Numerical simulation of dimples in airfoil using MATLAB</a> PB Devi, DA Shah IOP Conference Series: Materials Science and Engineering 197 (1), 012080	2	2017
<a href="#">Numerical simulation of dimples in airfoil using MATLAB</a> PB Devi, DA Shah IOP Conference Series: Materials Science and Engineering 197 (1), 012080	2	2017
<a href="#">Effect of cooling passage imperfection on the flow characteristics of film-cooled gas turbine blade</a> H Bharathkumar, J Jensin Joshua, PB Devi, D Raja Joseph International Journal of Ambient Energy 40 (8), 832-837	1	2019
<a href="#">Experimental analysis of hybrid metal matrix composite reinforced with Al<sub>2</sub>O<sub>3</sub> and graphite</a> RC Paul, R Joseph, V Nadana Kumar, P Booma Devi, S Manigandan International Journal of Ambient Energy, 1-5	1	2019
<a href="#">Aerodynamic Behaviour of Dimpled NACA0012 Airfoil for Various Angles of Attack</a> PB Devi, R Gokulnath, DR Joseph, V Paulson International Journal of Vehicle Structures & Systems 11 (4), 369-371		2019
<a href="#">Experimental investigation on effect of exit shape of nozzle on the flow Mach number and noise</a> R Sarweswaran, P Manivannan, P Booma Devi International Journal of Ambient Energy, 1-4		2019
<a href="#">Heat transfer and temperature effects on a dimpled NACA0012 airfoil with various angles of attack</a> PBD etal international journal of ambient energy, 4		2017
<a href="#">Effect of square dimples on the temperature distribution and heat transfer coefficient of an NACA0012 airfoil</a> PB Devi, DA Shah		2017
<a href="#">ANALYSIS OF DIMPLES ON THE PERFORMANCE OF AIRCRAFT WING</a> PB Devi, DA Shah NAFEMS		2016
<a href="#">Optimum Cost Allocation For Reactive Power Planning In Wind Farms Using Modified Artificial Immune System</a> PB Devi, A Shunmugalatha International Journal of Applied Engineering Research 10 (11), 29609-29620		2015