Timothy J Jacobs

List of Publications by Year
in descending order

18 papers	558 citations	1478505 6 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	608 citing authors

#	Article	IF	Citations
1	Oxides of nitrogen emissions from biodiesel-fuelled diesel engines. Progress in Energy and Combustion Science, 2010, 36, 677-695.	31.2	313
2	The attainment of premixed compression ignition low-temperature combustion in a compression ignition direct injection engine. Proceedings of the Combustion Institute, 2007, 31, 2913-2920.	3.9	112
3	Energy distributions in a diesel engine using low heat rejection (LHR) concepts. Energy Conversion and Management, 2016, 130, 14-24.	9.2	33
4	Waste Heat Recovery Potential of Advanced Internal Combustion Engine Technologies. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	2.3	16
5	Low-Temperature Combustion with Biodiesel: Its Enabling Features in Improving Efficiency and Emissions. Energy & Fuels, 2013, 27, 2794-2803.	5.1	13
6	Biodiesel Effects on Influencing Parameters of Brake Fuel Conversion Efficiency in a Medium Duty Diesel Engine. Journal of Engineering for Gas Turbines and Power, 2010, 132, .	1.1	11
7	Efficiency Considerations of Later-Phased Low Temperature Diesel Combustion. , 2010, , .		8
8	Low Temperature Heat Release of Palm and Soy Biodiesel in Late Injection Low Temperature Combustion. SAE International Journal of Fuels and Lubricants, 0, 7, 106-115.	0.2	8
9	Biodiesel Fuelâ€™s Effects on Influencing Parameters of Brake Fuel Conversion Efficiency in a Medium Duty Diesel Engine. , 2009, , .		7
10	Using gas dynamic models to improve exhaust system design for large-bore, two-stroke engines. International Journal of Engine Research, 2021, 22, 2622-2638.	2.3	7
11	Observed Differences in Low-Temperature Heat Release and Their Possible Effect on Efficiency between Petroleum Diesel and Soybean Biodiesel Operating in Low-Temperature Combustion Mode. Energy & Fuels, 2015, 29, 4510-4521.	5.1	6
12	Efficiency improvements with low heat rejection concepts applied to diesel low temperature combustion. International Journal of Engine Research, 2016, 17, 631-645.	2.3	6
13	Energy Balance Analysis to Assess Efficiency Improvements with Low Heat Rejection Concepts Applied to Low Temperature Combustion. Combustion Science and Technology, 2017, 189, 595-622.	2.3	6
14	Biodiesel Later-Phased Low Temperature Combustion Ignition and Burn Rate Behavior on Engine Torque. , 2012, , .		4
15	A Numerical Investigation on the Influence of Engine Coolant Temperature under Low Temperature Combustion in a Diesel Engine. Combustion Science and Technology, 2017, 189, 1992-2011.	2.3	3
16	Experimental investigation of scavenging in two-stroke engines using continuous CO₂ sampling. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 1443-1459.	1.9	3
17	Trapped equivalence ratio determination in two-stroke engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2023, 237, 2006-2021.	1.9	2
18	A computationally efficient combustion trajectory prediction model developed for real-time diesel combustion control. International Journal of Engine Research, 2016, 17, 246-258.	2.3	0