

Timothy J Jacobs

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Experimental investigation of scavenging in two-stroke engines using continuous CO ₂ sampling. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 1443-1459.	1.9	3
3	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
4	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
5	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
6	Energy distributions in a diesel engine using low heat rejection (LHR) concepts. Energy Conversion and Management, 2016, 130, 14-24.	9.2	33
7	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
8	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
9	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
10	Waste Heat Recovery Potential of Advanced Internal Combustion Engine Technologies. Journal of Energy Resources Technology, Transactions of the ASME, 2015, 137, .	2.3	16
11	Low-Temperature Combustion with Biodiesel: Its Enabling Features in Improving Efficiency and Emissions. Energy & Fuels, 2013, 27, 2794-2803.	5.1	13
12	Biodiesel Later-Phased Low Temperature Combustion Ignition and Burn Rate Behavior on Engine Torque. , 2012, , .		4
13	Oxides of nitrogen emissions from biodiesel-fuelled diesel engines. Progress in Energy and Combustion Science, 2010, 36, 677-695.	31.2	313
14	Efficiency Considerations of Later-Phased Low Temperature Diesel Combustion. , 2010, , .		8
15	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
16	Biodiesel Fuel's Effects on Influencing Parameters of Brake Fuel Conversion Efficiency in a Medium Duty Diesel Engine. , 2009, , .		7
17	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
18	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