

Kalyan K Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

533
citations

1040056

9
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of exhaust waste heat recovery from a dual fuel low temperature combustion engine using an Organic Rankine Cycle. <i>Energy</i> , 2010, 35, 2387-2399.	8.8	227
2	Injection timing effects on partially premixed diesel-methane dual fuel low temperature combustion. <i>Applied Energy</i> , 2016, 162, 99-113.	10.1	64
3	A comparison of multivariate LIBS and chemiluminescence-based local equivalence ratio measurements in premixed atmospheric methane-air flames. <i>Fuel</i> , 2013, 106, 318-326.	6.4	43
4	Chemiluminescence-based multivariate sensing of local equivalence ratios in premixed atmospheric methane-air flames. <i>Fuel</i> , 2012, 93, 684-691.	6.4	40
5	An investigation of diesel-ignited propane dual fuel combustion in a heavy-duty diesel engine. <i>Fuel</i> , 2014, 132, 135-148.	6.4	37
6	An exergy analysis methodology for internal combustion engines using a multi-zone simulation of dual fuel low temperature combustion. <i>Applied Energy</i> , 2019, 256, 113952.	10.1	29
7	A second law-based framework to identify high efficiency pathways in dual fuel low temperature combustion. <i>Applied Energy</i> , 2017, 202, 199-212.	10.1	17
8	Fuel and diluent effects on entropy generation in a constant internal energy-volume (uv) combustion process. <i>Energy</i> , 2012, 43, 315-328.	8.8	14
9	Investigation of exhaust flow and exergy fluctuations in a diesel engine. <i>Applied Thermal Engineering</i> , 2019, 147, 856-865.	6.0	14
10	Numerical study of combustion characteristics and emissions of a diesel-methane dual-fuel engine for a wide range of injection timings. <i>International Journal of Engine Research</i> , 2020, 21, 781-793.	2.3	11
11	Impact of methane energy fraction on emissions, performance and cyclic variability in low-load dual fuel combustion at early injection timings. <i>International Journal of Engine Research</i> , 2021, 22, 1255-1272.	2.3	10
12	A Computational Investigation of the Impact of Multiple Injection Strategies on Combustion Efficiency in Diesel-Natural Gas Dual-Fuel Low-Temperature Combustion Engines. <i>Journal of Energy Resources Technology</i> , Transactions of the ASME, 2021, 143, .	2.3	6
13	CFD Analysis of Diesel-Methane Dual Fuel Low Temperature Combustion at Low Load and High Methane Substitution. , 2018, , .		5
14	Impact of low reactivity fuel type on low load combustion, emissions, and cyclic variations of diesel-ignited dual fuel combustion. <i>International Journal of Engine Research</i> , 2023, 24, 42-63.	2.3	5
15	Intake Manifold Pressure and Exhaust Gas Recirculation Effects on Diesel-Ignited Propane Dual-Fuel Low-Temperature Combustion at Low Loads in a Heavy-Duty Diesel Engine. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, 04017015.	1.9	4
16	Exhaust pulse energy harvesting - an experimental investigation on a single cylinder research engine. <i>International Journal of Powertrains</i> , 2017, 6, 352.	0.3	3
17	Strategies for Reduced NOx Emissions in Pilot-Ignited Natural Gas Engines. , 2002, , 361.		2
18	Modeling of NOx Emissions Using a Super-Extended Zel'dovich Mechanism. , 2003, , 121.		2

#	ARTICLE	IF	CITATIONS
19	The Advanced Injection Low Pilot Ignited Natural Gas Engine: A Combustion Analysis. , 2003, , 129.		0
20	Thermodynamic Performance Optimization of Reciprocating Internal Combustion (IC) Engines. , 2008, , .		0