

Kai J Morganti

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

936
citations

1163117

8
h-index

1372567

10
g-index

23
all docs

23
docs citations

23
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	The octane numbers of ethanol blended with gasoline and its surrogates. <i>Fuel</i> , 2014, 115, 727-739.	6.4	238
2	The Effect of Charge Cooling on the RON of Ethanol/Gasoline Blends. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 6, 34-43.	0.2	83
3	The Research and Motor octane numbers of Liquefied Petroleum Gas (LPG). <i>Fuel</i> , 2013, 108, 797-811.	6.4	80
4	On Knock Intensity and Superknock in SI Engines. <i>SAE International Journal of Engines</i> , 0, 10, 1051-1063.	0.4	66
5	Blending Octane Number of Ethanol in HCCI, SI and CI Combustion Modes. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 9, 659-682.	0.2	46
6	Synergistic engine-fuel technologies for light-duty vehicles: Fuel economy and Greenhouse Gas Emissions. <i>Applied Energy</i> , 2017, 208, 1538-1561.	10.1	44
7	Dual-fuel operation of gasoline and natural gas in a turbocharged engine. <i>Fuel</i> , 2019, 237, 694-706.	6.4	43
8	Modeling End-Gas Autoignition of Ethanol/Gasoline Surrogate Blends in the Cooperative Fuel Research Engine. <i>Energy & Fuels</i> , 2017, 31, 2378-2389.	5.1	40
9	Leveraging the benefits of ethanol in advanced engine-fuel systems. <i>Energy Conversion and Management</i> , 2018, 157, 480-497.	9.2	36
10	The autoignition of Liquefied Petroleum Gas (LPG) in spark-ignition engines. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 2933-2940.	3.9	35
11	Knock Prediction Using a Simple Model for Ignition Delay. , 0, , .		34
12	Maximizing the benefits of high octane fuels in spark-ignition engines. <i>Fuel</i> , 2017, 207, 470-487.	6.4	30
13	Improving the Efficiency of Conventional Spark-Ignition Engines Using Octane-on-Demand Combustion - Part II: Vehicle Studies and Life Cycle Assessment. , 0, , .		27
14	Improving the Efficiency of Conventional Spark-Ignition Engines Using Octane-on-Demand Combustion. Part I: Engine Studies. , 0, , .		27
15	Design and Analysis of a Modified CFR Engine for the Octane Rating of Liquefied Petroleum Gases (LPG). <i>SAE International Journal of Fuels and Lubricants</i> , 0, 7, 283-300.	0.2	18
16	Primary Reference Fuels (PRFs) as Surrogates for Low Sensitivity Gasoline Fuels. , 0, , .		17
17	Some Insights on the Stochastic Nature of Knock and the Evolution of Hot Spots in the End-Gas During the Engine Cycle from Experimental Measurements of Knock Onset and Knock Intensity. , 0, , .		15
18	Effect of Mixture Formation and Injection Strategies on Stochastic Pre-Ignition. , 0, , .		15

#	ARTICLE	IF	CITATIONS
19	Optimizing split fuel injection strategies to avoid pre-ignition and super-knock in turbocharged engines. International Journal of Engine Research, 2021, 22, 199-221.	2.3	14
20	Auto-Ignition of Iso-Stoichiometric Blends of Gasoline-Ethanol-Methanol (GEM) in SI, HCCI and CI Combustion Modes. , 0, , .		13
21	Knock and Pre-Ignition Limits on Utilization of Ethanol in Octane-on-Demand Concept. , 0, , .		7
22	Blending Octane Number of Ethanol on a Volume and Molar Basis in SI and HCCI Combustion Modes. , 0, , .		6
23	Investigation of onboard fuel separation for passenger vehicles. Energy, 2019, 169, 1079-1089.	8.8	2