# Kai J Morganti

List of Publications by Year
in descending order



| 23 | 936 | 1163117 8 | 1372567 10 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 648 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Investigation of onboard fuel separation for passenger vehicles. Energy, 2019, 169, 1079-1089. | 8.8 | 2 |
| 3 | Dual-fuel operation of gasoline and natural gas in a turbocharged engine. Fuel, 2019, 237, 694-706. | 6.4 | 43 |
| 4 | Leveraging the benefits of ethanol in advanced engine-fuel systems. Energy Conversion and Management, 2018, 157, 480-497. | 9.2 | 36 |
| 5 | Modeling End-Gas Autoignition of Ethanol/Gasoline Surrogate Blends in the Cooperative Fuel Research Engine. Energy & Fuels, 2017, 31, 2378-2389. | 5.1 | 40 |
| 6 | Synergistic engine-fuel technologies for light-duty vehicles: Fuel economy and Greenhouse Gas Emissions. Applied Energy, 2017, 208, 1538-1561. | 10.1 | 44 |
| 7 | Maximizing the benefits of high octane fuels in spark-ignition engines. Fuel, 2017, 207, 470-487. | 6.4 | 30 |
| 8 | The autoignition of Liquefied Petroleum Gas (LPG) in spark-ignition engines. Proceedings of the Combustion Institute, 2015, 35, 2933-2940. | 3.9 | 35 |
| 9 | The octane numbers of ethanol blended with gasoline and its surrogates. Fuel, 2014, 115, 727-739. | 6.4 | 238 |
| 10 | The Research and Motor octane numbers of Liquefied Petroleum Gas (LPG). Fuel, 2013, 108, 797-811. | 6.4 | 80 |
| 11 | The Effect of Charge Cooling on the RON of Ethanol/Gasoline Blends. SAE International Journal of Fuels and Lubricants, 0, 6, 34-43. | 0.2 | 83 |
| 12 | Design and Analysis of a Modified CFR Engine for the Octane Rating of Liquefied Petroleum Gases (LPG). SAE International Journal of Fuels and Lubricants, 0, 7, 283-300. | 0.2 | 18 |
| 13 | Blending Octane Number of Ethanol in HCCI, SI and CI Combustion Modes. SAE International Journal of Fuels and Lubricants, 0, 9, 659-682. | 0.2 | 46 |
| 14 | Knock Prediction Using a Simple Model for Ignition Delay. , 0, , . | | 34 |
| 15 | Improving the Efficiency of Conventional Spark-Ignition Engines Using Octane-on-Demand Combustion - Part II: Vehicle Studies and Life Cycle Assessment. , 0, , . | | 27 |
| 16 | Primary Reference Fuels (PRFs) as Surrogates for Low Sensitivity Gasoline Fuels. , 0, , . | | 17 |
| 17 | Improving the Efficiency of Conventional Spark-Ignition Engines Using Octane-on-Demand Combustion. Part I: Engine Studies. , 0, , . | | 27 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Blending Octane Number of Ethanol on a Volume and Molar Basis in SI and HCCI Combustion Modes. , 0, , . | | 6 |
| 20 | Auto-Ignition of Iso-Stoichiometric Blends of Gasoline-Ethanol-Methanol (GEM) in SI, HCCI and CI Combustion Modes. , 0, , . | | 13 |
| 21 | On Knock Intensity and Superknock in SI Engines. SAE International Journal of Engines, 0, 10, 1051-1063. | 0.4 | 66 |
| 22 | Effect of Mixture Formation and Injection Strategies on Stochastic Pre-Ignition. , 0, , . | | 15 |
| 23 | Knock and Pre-Ignition Limits on Utilization of Ethanol in Octane-on-Demand Concept. , 0, , . | | 7 |