Well-to-Wheels Analysis of the Greenhouse Gas Emissions and Energy Use of Vehicles with Gasoline Compression Ignition Engines on Low Octane Gasoline-Like Fuel

DOI: 10.4271/2016-01-2208
SAE International Journal of Fuels and Lubricants, 2016, 9, 527-545.

#	Paper	IF	Citations
17	Analyzing the effects of Gas-to-Liquid (GTL) diesel blending on the efficiency and emissions of petroleum refineries and transport fuels in the U.S. and Europe. *Transportation Research, Part D: Transport and Environment*, **2018**, 59, 259-267	6.4	2
16	Exploring Alternative Octane Specification Methods for Improved Gasoline Knock Resistance in Spark-Ignition Engines. *Frontiers in Mechanical Engineering*, **2018**, 4,	2.6	3
15	Development of Fuel/Engine Systems□he Way Forward to Sustainable Transport. *Engineering*, **2019**, 5, 510-518	9.7	57
14	Emissions reduction from passenger cars with RCCI plug-in hybrid electric vehicle technology. *Applied Thermal Engineering*, **2020**, 164, 114430	5.8	35
13	Combined effects of fuel reactivity and intake thermodynamic conditions on heat release and emissions of compression ignition combustion. *Fuel*, **2020**, 282, 118859	7.1	2
12	The scope for improving the efficiency and environmental impact of internal combustion engines. *Transportation Engineering*, **2020**, 1, 100005	3	89
11	Bridging the gap in a resource and climate-constrained world with advanced gasoline compression-ignition hybrids. *Applied Energy*, **2020**, 267, 114936	10.7	18
10	Challenges for turbulent combustion. *Proceedings of the Combustion Institute*, **2021**, 38, 121-155	5.9	13
9	Potential of Gasoline Compression Ignition Combustion for Heavy-Duty Applications in Internal Combustion Engines. *Energy, Environment, and Sustainability*, **2021**, 319-346	0.8	2
8	Prospects of Gasoline Compression Ignition (GCI) Engine Technology in Transport Sector. *Energy, Environment, and Sustainability*, **2020**, 77-110	0.8	1
7	Effect of High RON Fuels on Engine Thermal Efficiency and Greenhouse Gas Emissions.		4
6	Development of Fast Idle Catalyst Light-Off Strategy for Gasoline Compression Ignition Engine - Part 2.		1
5	Review of Life Cycle Analysis Studies of Less Processed Fuel for Gasoline Compression Ignition Engines. *Energy, Environment, and Sustainability*, **2022**, 245-273	0.8	
4	Spark Assisted Gasoline Compression Ignition (SAGCI) Engine Strategies. *Energy, Environment, and Sustainability*, **2022**, 99-159	0.8	0
3	Pyrolysis and oxidation of a light naphtha fuel and its surrogate blend. *Combustion and Flame*, **2022**, 240, 111979	5.3	0
2	The horizon for enhancing the efficiency and reducing environmental impinge of IC engines. *AIP Conference Proceedings*, **2022**,	0	
1	Optimizing Spark Assisted GCI Combustion with the Compression Ratio and Internal Exhaust Gas Recirculation (I-EGR) Strategies.		0