Jon H Luecke

List of Publications by Year
in descending order

29	896	567281 15	642732 23
papers	citations	h-index	g-index

29	29	29	1181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of Oxygenated Compounds in Hydrotreated Biomass Fast Pyrolysis Oil Distillate Fractions. Energy & Fuels, 2011, 25, 5462-5471.	5.1	120
2	Properties of Oxygenates Found in Upgraded Biomass Pyrolysis Oil as Components of Spark and Compression Ignition Engine Fuels. Energy & Fuels, 2015, 29, 2453-2461.	5.1	87
3	Diesel Particle Filter and Fuel Effects on Heavy-Duty Diesel Engine Emissions. Environmental Science & Technology, 2010, 44, 8343-8349.	10.0	70
4	Numerical and Experimental Investigation of n-Heptane Autoignition in the Ignition Quality Tester (IQT). Energy & Fuels, 2011, 25, 5562-5572.	5.1	61
5	Ignition Quality Tester (IQT) Investigation of the Negative Temperature Coefficient Region of Alkane Autoignition. Energy & Fuels, 2013, 27, 1632-1642.	5.1	56
6	Impacts of Biodiesel Fuel Blends Oil Dilution on Light-Duty Diesel Engine Operation. SAE International Journal of Fuels and Lubricants, 0, 2, 781-788.	0.2	51
7	Impact of Biodiesel Impurities on the Performance and Durability of DOC, DPF and SCR Technologies. SAE International Journal of Fuels and Lubricants, 0, 4, 110-124.	0.2	44
8	Impact of Higher Alcohols Blended in Gasoline on Light-Duty Vehicle Exhaust Emissions. Environmental Science & Technology, 2013, 47, 13865-13872.	10.0	40
9	Anti-knock quality of sugar derived levulinic esters and cyclic ethers. Fuel, 2017, 202, 414-425.	6.4	39
10	Experiments and Computational Fluid Dynamics Modeling Analysis of Large n-Alkane Ignition Kinetics in the Ignition Quality Tester. Energy & Fuels, 2014, 28, 4781-4794.	5.1	35
11	Impact of Adaptation on Flex-Fuel Vehicle Emissions When Fueled with E40. Environmental Science & Technology, 2013, 47, 2990-2997.	10.0	33
12	Performance of lignin derived compounds as octane boosters. Fuel, 2017, 189, 284-292.	6.4	33
13	Expanding the Experimental Capabilities of the Ignition Quality Tester for Autoigniting Fuels. SAE International Journal of Fuels and Lubricants, 0, 3, 353-367.	0.2	31
14	Tailoring diesel bioblendstock from integrated catalytic upgrading of carboxylic acids: a â€œfuel property firstâ€•approach. Green Chemistry, 2019, 21, 5813-5827.	9.0	25
15	Effects of iso-octane/ethanol blend ratios on the observance of negative temperature coefficient behavior within the Ignition Quality Tester. Fuel, 2016, 186, 82-90.	6.4	22
16	Experimental and numerical investigation of the Advanced Fuel Ignition Delay Analyzer (AFIDA) constant-volume combustion chamber as a research platform for fuel chemical kinetic mechanism validation. Fuel, 2020, 265, 116929.	6.4	21
17	Production and fuel properties of iso-olefins with controlled molecular structure and obtained from butene oligomerization. Fuel, 2020, 277, 118147.	6.4	18
18	Towards quantitative prediction of ignition-delay-time sensitivity on fuel-to-air equivalence ratio. Combustion and Flame, 2020, 214, 103-115.	5.2	16

#	Article	IF	Citations
19	The impact of physicochemical property interactions of iso-octane/ethanol blends on ignition timescales. Fuel, 2018, 224, 401-411.	6.4	15
20	Investigation of Iso-octane Ignition and Validation of a Multizone Modeling Method in an Ignition Quality Tester. Energy & Fuels, 2016, 30, 9761-9771.	5.1	14
21	The Impacts of Mid-Level Alcohol Content in Gasoline on SIDI Engine-Out and Tailpipe Emissions. , 2010, , .		12
22	Rapid prediction of fuel research octane number and octane sensitivity using the AFIDA constant-volume combustion chamber. Fuel, 2021, 301, 120969.	6.4	11
23	Electrical Conductivity and pH_eResponse of Fuel Ethanol Contaminants. Energy & Fuels, 2014, 28, 5222-5228.	5.1	10
24	Synthesis of Butyl-Exchanged Polyoxymethylene Ethers as Renewable Diesel Blendstocks with Improved Fuel Properties. ACS Sustainable Chemistry and Engineering, 2021, 9, 6266-6273.	6.7	10
25	Understanding how chemical structure affects ignition-delay-time <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mi>Ï•</mml:mi></mml:math>-sensitivity. Combustion and Flame, 2021, 225, 377-387.	5.2	7
26	Impacts of Biofuel Blending on MCCI Ignition Delay with Review of Methods for Defining Cycle-by-Cycle Ignition Points from Noisy Cylinder Pressure Data. , 0, , .		5
27	Ignition delay measurements of four component model gasolines exploring the impacts of biofuels and aromatics. Proceedings of the Combustion Institute, 2021, 38, 5549-5555.	3.9	4
28	Comparing Cetane Number Measurement Methods. , 2020, , .		3
29	Blended fuel property analysis of butyl-exchanged polyoxymethylene ethers as renewable diesel blendstocks. Fuel, 2022, 322, 124220.	6.4	3