

Jon H Luecke

List of Publications by Year in descending order

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papers

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567281

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times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	Blended fuel property analysis of butyl-exchanged polyoxymethylene ethers as renewable diesel blendstocks. <i>Fuel</i> , 2022, 322, 124220.	6.4	3
2	Ignition delay measurements of four component model gasolines exploring the impacts of biofuels and aromatics. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5549-5555.	3.9	4
3	Understanding how chemical structure affects ignition-delay-time $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -sensitivity. <i>Combustion and Flame</i> , 2021, 225, 377-387.	5.2	7
4	Synthesis of Butyl-Exchanged Polyoxymethylene Ethers as Renewable Diesel Blendstocks with Improved Fuel Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6266-6273.	6.7	10
5	Rapid prediction of fuel research octane number and octane sensitivity using the AFIDA constant-volume combustion chamber. <i>Fuel</i> , 2021, 301, 120969.	6.4	11
6	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. <i>Fuel</i> , 2020, 265, 116929.	6.4	21
7	Towards quantitative prediction of ignition-delay-time sensitivity on fuel-to-air equivalence ratio. <i>Combustion and Flame</i> , 2020, 214, 103-115.	5.2	16
8	Production and fuel properties of iso-olefins with controlled molecular structure and obtained from butene oligomerization. <i>Fuel</i> , 2020, 277, 118147.	6.4	18
9	Comparing Cetane Number Measurement Methods. , 2020, , .		3
10	Tailoring diesel bioblendstock from integrated catalytic upgrading of carboxylic acids: a fuel property first approach. <i>Green Chemistry</i> , 2019, 21, 5813-5827.	9.0	25
11	The impact of physicochemical property interactions of iso-octane/ethanol blends on ignition timescales. <i>Fuel</i> , 2018, 224, 401-411.	6.4	15
12	Anti-knock quality of sugar derived levulinic esters and cyclic ethers. <i>Fuel</i> , 2017, 202, 414-425.	6.4	39
13	Performance of lignin derived compounds as octane boosters. <i>Fuel</i> , 2017, 189, 284-292.	6.4	33
14	Effects of iso-octane/ethanol blend ratios on the observance of negative temperature coefficient behavior within the Ignition Quality Tester. <i>Fuel</i> , 2016, 186, 82-90.	6.4	22
15	Investigation of Iso-octane Ignition and Validation of a Multizone Modeling Method in an Ignition Quality Tester. <i>Energy & Fuels</i> , 2016, 30, 9761-9771.	5.1	14
16	Properties of Oxygenates Found in Upgraded Biomass Pyrolysis Oil as Components of Spark and Compression Ignition Engine Fuels. <i>Energy & Fuels</i> , 2015, 29, 2453-2461.	5.1	87
17	Experiments and Computational Fluid Dynamics Modeling Analysis of Large <i>n</i> -Alkane Ignition Kinetics in the Ignition Quality Tester. <i>Energy & Fuels</i> , 2014, 28, 4781-4794.	5.1	35
18	Electrical Conductivity and pH Response of Fuel Ethanol Contaminants. <i>Energy & Fuels</i> , 2014, 28, 5222-5228.	5.1	10

#	ARTICLE	IF	CITATIONS
19	Impact of Adaptation on Flex-Fuel Vehicle Emissions When Fueled with E40. Environmental Science & Technology, 2013, 47, 2990-2997.	10.0	33
20	Ignition Quality Tester (IQT) Investigation of the Negative Temperature Coefficient Region of Alkane Autoignition. Energy & Fuels, 2013, 27, 1632-1642.	5.1	56
21	Impact of Higher Alcohols Blended in Gasoline on Light-Duty Vehicle Exhaust Emissions. Environmental Science & Technology, 2013, 47, 13865-13872.	10.0	40
22	Numerical and Experimental Investigation of <i>n</i> -Heptane Autoignition in the Ignition Quality Tester (IQT). Energy & Fuels, 2011, 25, 5562-5572.	5.1	61
23	Analysis of Oxygenated Compounds in Hydrotreated Biomass Fast Pyrolysis Oil Distillate Fractions. Energy & Fuels, 2011, 25, 5462-5471.	5.1	120
24	The Impacts of Mid-Level Alcohol Content in Gasoline on SIDI Engine-Out and Tailpipe Emissions. , 2010, , .		12
25	Diesel Particle Filter and Fuel Effects on Heavy-Duty Diesel Engine Emissions. Environmental Science & Technology, 2010, 44, 8343-8349.	10.0	70
26	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
27	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
28	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
29	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