

Jiacheng Yang

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

721
citations

566801

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610482

24
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all docs

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docs citations

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times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulated, greenhouse gas, and particulate emissions from lean-burn and stoichiometric natural gas heavy-duty vehicles on different fuel compositions. <i>Fuel</i> , 2016, 175, 146-156.	3.4	84
2	Gasoline Particulate Filters as an Effective Tool to Reduce Particulate and Polycyclic Aromatic Hydrocarbon Emissions from Gasoline Direct Injection (GDI) Vehicles: A Case Study with Two GDI Vehicles. <i>Environmental Science & Technology</i> , 2018, 52, 3275-3284.	4.6	61
3	Impacts of dimethyl carbonate blends on gaseous and particulate emissions from a heavy-duty diesel engine. <i>Fuel</i> , 2016, 184, 681-688.	3.4	44
4	Impacts of gasoline aromatic and ethanol levels on the emissions from GDI vehicles: Part 2. Influence on particulate matter, black carbon, and nanoparticle emissions. <i>Fuel</i> , 2019, 252, 812-820.	3.4	44
5	Characterizing emission rates of regulated pollutants from model year 2012 + heavy-duty diesel vehicles equipped with DPF and SCR systems. <i>Science of the Total Environment</i> , 2018, 619-620, 765-771.	3.9	43
6	Impacts of gasoline aromatic and ethanol levels on the emissions from GDI vehicles: Part 1. Influence on regulated and gaseous toxic pollutants. <i>Fuel</i> , 2019, 252, 799-811.	3.4	41
7	Physical, chemical, and toxicological characteristics of particulate emissions from current technology gasoline direct injection vehicles. <i>Science of the Total Environment</i> , 2019, 650, 1182-1194.	3.9	35
8	Emissions and Fuel Economy Evaluation from Two Current Technology Heavy-Duty Trucks Operated on HVO and FAME Blends. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 9, 177-190.	0.2	31
9	Characterization of particulate matter emitted by a marine engine operated with liquefied natural gas and diesel fuels. <i>Atmospheric Environment</i> , 2020, 220, 117030.	1.9	30
10	Comprehensive analysis of the air quality impacts of switching a marine vessel from diesel fuel to natural gas. <i>Environmental Pollution</i> , 2020, 266, 115404.	3.7	27
11	Emissions from a flex fuel GDI vehicle operating on ethanol fuels show marked contrasts in chemical, physical and toxicological characteristics as a function of ethanol content. <i>Science of the Total Environment</i> , 2019, 683, 749-761.	3.9	26
12	Investigation of the Effect of Mid- And High-Level Ethanol Blends on the Particulate and the Mobile Source Air Toxic Emissions from a Gasoline Direct Injection Flex Fuel Vehicle. <i>Energy & Fuels</i> , 2019, 33, 429-440.	2.5	25
13	Size and morphology of soot produced by a dual-fuel marine engine. <i>Journal of Aerosol Science</i> , 2019, 138, 105448.	1.8	23
14	Sources of variance in BC mass measurements from a small marine engine: Influence of the instruments, fuels and loads. <i>Atmospheric Environment</i> , 2018, 182, 128-137.	1.9	20
15	Intermediate and high ethanol blends reduce secondary organic aerosol formation from gasoline direct injection vehicles. <i>Atmospheric Environment</i> , 2020, 220, 117064.	1.9	20
16	Toxicological responses in human airway epithelial cells (BEAS-2B) exposed to particulate matter emissions from gasoline fuels with varying aromatic and ethanol levels. <i>Science of the Total Environment</i> , 2020, 706, 135732.	3.9	20
17	Material compatibility evaluation for elastomers, plastics, and metals exposed to ethanol and butanol blends. <i>Fuel</i> , 2016, 163, 248-259.	3.4	17
18	Fuel Effects on PM Emissions from Different Vehicle/Engine Configurations: A Literature Review. , 0, , .		16

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19	Using a new Mobile Atmospheric Chamber (MACH) to investigate the formation of secondary aerosols from mobile sources: The case of gasoline direct injection vehicles. <i>Journal of Aerosol Science</i> , 2019, 133, 1-11.	1.8	16
20	A comparison of a mini-PEMS and a 1065 compliant PEMS for on-road gaseous and particulate emissions from a light duty diesel truck. <i>Science of the Total Environment</i> , 2018, 640-641, 364-376.	3.9	15
21	Characterizing emission rates of regulated and unregulated pollutants from two ultra-low NO _x CNG heavy-duty vehicles. <i>Fuel</i> , 2020, 277, 118192.	3.4	15
22	Catalyzed Gasoline Particulate Filters Reduce Secondary Organic Aerosol Production from Gasoline Direct Injection Vehicles. <i>Environmental Science & Technology</i> , 2019, 53, 3037-3047.	4.6	14
23	Evaluation of emissions benefits of OBD-based repairs for potential application in a heavy-duty vehicle Inspection and Maintenance program. <i>Atmospheric Environment</i> , 2021, 247, 118186.	1.9	13
24	Evaluating the relationships between aromatic and ethanol levels in gasoline on secondary aerosol formation from a gasoline direct injection vehicle. <i>Science of the Total Environment</i> , 2020, 737, 140333.	3.9	12
25	Impacts of Exhaust Transfer System Contamination on Particulate Matter Measurements. <i>Emission Control Science and Technology</i> , 2020, 6, 163-177.	0.8	10
26	Emissions from Advanced Ultra-Low-NO _x Heavy-Duty Natural Gas Vehicles. , 0, , .		8
27	Evaluation of Partial Flow Dilution Systems for Very Low PM Mass Measurements. <i>Emission Control Science and Technology</i> , 2018, 4, 247-259.	0.8	6
28	Gaseous and Particulate Emissions from a Waste Hauler Equipped with a Stoichiometric Natural Gas Engine on Different Fuel Compositions. , 0, , .		5