

Mohammad Jafari

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

640
citations

516215

16
h-index

580395

25
g-index

32
all docs

32
docs citations

32
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of fuel-oxygen content on morphology and nanostructure of soot particles. Combustion and Flame, 2019, 205, 206-219.	2.8	67
2	Fuel properties and emission characteristics of essential oil blends in a compression ignition engine. Fuel, 2019, 238, 440-453.	3.4	51
3	The impact of chemical composition of oxygenated fuels on morphology and nanostructure of soot particles. Fuel, 2020, 259, 116167.	3.4	46
4	Diesel engine performance and emissions with fuels derived from waste tyres. Scientific Reports, 2018, 8, 2457.	1.6	45
5	The correlation between diesel soot chemical structure and reactivity. Carbon, 2020, 161, 736-749.	5.4	42
6	Active Vibration Suppression of an elastic piezoelectric sensor and actuator fitted cantilevered beam configurations as a generic smart composite structure. Composite Structures, 2015, 132, 848-863.	3.1	35
7	An experimental study of the role of biodiesel on the performance of diesel particulate filters. Fuel, 2019, 247, 67-76.	3.4	34
8	Multivariate analysis of performance and emission parameters in a diesel engine using biodiesel and oxygenated additive. Energy Conversion and Management, 2019, 201, 112183.	4.4	32
9	Analysis of cold-start NO ₂ and NO _x emissions, and the NO ₂ /NO _x ratio in a diesel engine powered with different diesel-biodiesel blends. Environmental Pollution, 2021, 290, 118052.	3.7	32
10	Experimental Analysis of the Morphology and Nanostructure of Soot Particles for Butanol/Diesel Blends at Different Engine Operating Modes. Energy & Fuels, 2019, 33, 5632-5646.	2.5	25
11	Cold-start NO _x emissions: Diesel and waste lubricating oil as a fuel additive. Fuel, 2021, 286, 119430.	3.4	23
12	Effect of sulphur and vanadium spiked fuels on particle characteristics and engine performance of auxiliary diesel engines. Environmental Pollution, 2018, 243, 1943-1951.	3.7	21
13	Soot particle morphology and nanostructure with oxygenated fuels: A comparative study into cold-start and hot-start operation. Environmental Pollution, 2021, 275, 116592.	3.7	21
14	Emissions and performance with diesel and waste lubricating oil: A fundamental study into cold start operation with a special focus on particle number size distribution. Energy Conversion and Management, 2020, 209, 112604.	4.4	19
15	Performance and Combustion Characteristics Analysis of Multi-Cylinder CI Engine Using Essential Oil Blends. Energies, 2018, 11, 738.	1.6	18
16	Influence of doping Mg cation in Fe ₃ O ₄ lattice on its oxygen storage capacity to use as a catalyst for reducing emissions of a compression ignition engine. Fuel, 2020, 272, 117728.	3.4	18
17	Engine Performance and Emissions Analysis in a Cold, Intermediate and Hot Start Diesel Engine. Applied Sciences (Switzerland), 2020, 10, 3839.	1.3	17
18	Effect of cold start on engine performance and emissions from diesel engines using IMO-Compliant distillate fuels. Environmental Pollution, 2019, 255, 113260.	3.7	15

#	ARTICLE	IF	CITATIONS
19	Combustion Analysis of a Diesel Engine during Warm up at Different Coolant and Lubricating Oil Temperatures. <i>Energies</i> , 2020, 13, 3931.	1.6	15
20	The effect of diesel emission exposure on primary human bronchial epithelial cells from a COPD cohort: N-acetylcysteine as a potential protective intervention. <i>Environmental Research</i> , 2019, 170, 194-202.	3.7	14
21	Primary human bronchial epithelial cell responses to diesel and biodiesel emissions at an air-liquid interface. <i>Toxicology in Vitro</i> , 2019, 57, 67-75.	1.1	12
22	Vibration Analysis of a Cantilevered Beam with Spring Loading at the Tip as a Generic Elastic Structure. <i>Applied Mechanics and Materials</i> , 0, 629, 407-413.	0.2	8
23	Effect of Oxygenated Functional Groups in Essential Oils on Diesel Engine Performance, Emissions, and Combustion Characteristics. <i>Energy & Fuels</i> , 2019, 33, 9828-9834.	2.5	8
24	Effects of enhanced fuel with Mg-doped Fe ₃ O ₄ nanoparticles on combustion of a compression ignition engine: Influence of Mg cation concentration. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110817.	8.2	8
25	In-cylinder pressure reconstruction by engine acoustic emission. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107490.	4.4	5
26	Characteristics of Particle Number and Particle Mass Emissions of a Diesel Engine during Cold-, Warm-, and Hot-Start Operation. , 0, , .		4
27	Detection of Misfire in a Six-Cylinder Diesel Engine Using Acoustic Emission Signals. , 2018, , .		2
28	Particulate number emissions during cold-start with diesel and biofuels: A special focus on particle size distribution. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101953.	1.7	2
29	Morphological and Nanostructural Characteristics of Diesel Exhaust Soot Particles at Different Engine Operating Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 409-417.	0.3	1
30	The effect of diesel emission exposure on intracellular signaling pathways of primary human bronchial epithelial cells. , 2017, , .		0
31	Primary human bronchial epithelial cell responses to diesel and novel biodiesel emissions. , 2018, , .		0
32	Synthesis and evaluation of catalytic activity of NiFe ₂ O ₄ nanoparticles in a diesel engine: An experimental investigation and Multi-Criteria Decision Making approach. <i>Journal of Cleaner Production</i> , 2022, 365, 132818.	4.6	0