

Athanasios Dimaratos

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,447
citations

643344

15
h-index

889612

19
g-index

25
all docs

25
docs citations

25
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Active Diesel Particulate Filter Regeneration on Carbon Dioxide, Nitrogen Oxides and Particle Number Emissions from Euro 5 and 6 Vehicles under Laboratory Testing and Real-World Driving. <i>Energies</i> , 2022, 15, 5070.	1.6	4
2	Improving PM-NOx trade-off with paraffinic fuels: A study towards diesel engine optimization with HVO. <i>Fuel</i> , 2020, 265, 116921.	3.4	59
3	Characterization of laboratory and real driving emissions of individual Euro 6 light-duty vehicles – Fresh particles and secondary aerosol formation. <i>Environmental Pollution</i> , 2019, 255, 113175.	3.7	38
4	A study on the CO ₂ and NO _x emissions performance of Euro 6 diesel vehicles under various chassis dynamometer and on-road conditions including latest regulatory provisions. <i>Science of the Total Environment</i> , 2019, 666, 337-346.	3.9	90
5	Assessment of CO ₂ and NO _x Emissions of One Diesel and One Bi-Fuel Gasoline/CNG Euro 6 Vehicles During Real-World Driving and Laboratory Testing. <i>Frontiers in Mechanical Engineering</i> , 2019, 5, .	0.8	28
6	A Model Based Definition of a Reference CO ₂ Emissions Value for Passenger Cars under Real World Conditions. , 2018, , .		5
7	Evaluation of a Hydrotreated Vegetable Oil (HVO) and Effects on Emissions of a Passenger Car Diesel Engine. <i>Frontiers in Mechanical Engineering</i> , 2018, 4, .	0.8	63
8	Exploring the stochastic and deterministic aspects of cyclic emission variability on a high speed spark-ignition engine. <i>Energy</i> , 2017, 118, 68-76.	4.5	26
9	Combustion Instability during Starting of Turbocharged Diesel Engine Including Biofuel Effects. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	12
10	Effect of Fuel Properties on Emissions from Euro 4 and Euro 5 Diesel Passenger Cars. <i>Transportation Research Procedia</i> , 2016, 14, 3149-3158.	0.8	6
11	Experimental Investigation of Cyclic Variability on Combustion and Emissions of a High-Speed SI Engine. , 2015, , .		19
12	Combustion and Emissions of a Common-Rail Diesel Engine Fueled with HWCO. <i>Journal of Energy Engineering - ASCE</i> , 2014, 140, .	1.0	29
13	Comparative Evaluation of Two Straight Vegetable Oils and Their Methyl Ester Biodiesels as Fuel Extenders in HDDI Diesel Engines: Performance and Emissions. <i>Journal of Energy Engineering - ASCE</i> , 2014, 140, .	1.0	25
14	Experimental study of combustion in a spark ignition engine operating with producer gas from various biomass feedstocks. <i>Fuel</i> , 2014, 122, 126-139.	3.4	46
15	Exhaust emissions with ethanol or n-butanol diesel fuel blends during transient operation: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 17, 170-190.	8.2	245
16	Combustion noise radiation during the acceleration of a turbocharged diesel engine operating with biodiesel or n-butanol diesel fuel blends. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2012, 226, 971-986.	1.1	24
17	Development of combustion instability and noise during starting of a truck turbocharged diesel engine. <i>International Journal of Vehicle Design</i> , 2012, 59, 272.	0.1	1
18	Exhaust emissions of diesel engines operating under transient conditions with biodiesel fuel blends. <i>Progress in Energy and Combustion Science</i> , 2012, 38, 691-715.	15.8	272

#	ARTICLE	IF	CITATIONS
19	Characteristics of performance and emissions in high-speed direct injection diesel engine fueled with diethyl ether/diesel fuel blends. Energy, 2012, 43, 214-224.	4.5	208
20	Experimental study of combustion noise radiation during transient turbocharged diesel engine operation. Energy, 2011, 36, 4983-4995.	4.5	35
21	Investigating the emissions during acceleration of a turbocharged diesel engine operating with bio-diesel or n-butanol diesel fuel blends. Energy, 2010, 35, 5173-5184.	4.5	160
22	Experimental Assessment of Turbocharged Diesel Engine Transient Emissions during Acceleration, Load Change and Starting. , 2010, , .		33
23	Development of a Template Model and Simulation Approach for Quantifying the Effect of WLTP Introduction on Light Duty Vehicle CO ₂ Emissions and Fuel Consumption. , 0, , .		10
24	Effect of Diesel Properties on Emissions and Fuel Consumption from Euro 4, 5 and 6 European Passenger Cars. , 0, , .		7
25	A Methodology for Monitoring On-Road CO ₂ Emissions Compliance in Passenger Vehicles. , 0, , .		2