

Pavlos Dimitriou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8647627/publications.pdf>

Version: 2024-02-01

20
papers

1,032
citations

840585

11
h-index

996849

15
g-index

20
all docs

20
docs citations

20
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of ammonia as a compression ignition engine fuel. International Journal of Hydrogen Energy, 2020, 45, 7098-7118.	3.8	388
2	A review of hydrogen as a compression ignition engine fuel. International Journal of Hydrogen Energy, 2017, 42, 24470-24486.	3.8	243
3	Combustion and emission characteristics of a hydrogen-diesel dual-fuel engine. International Journal of Hydrogen Energy, 2018, 43, 13605-13617.	3.8	140
4	Adopting biodiesel as an indirect way to reduce the NOx emission of a hydrogen fumigated dual-fuel engine. Fuel, 2019, 244, 324-334.	3.4	54
5	Low-load hydrogen-diesel dual-fuel engine operation – A combustion efficiency improvement approach. International Journal of Hydrogen Energy, 2019, 44, 17048-17060.	3.8	45
6	Hydrogen-diesel dual-fuel engine optimization for CHP systems. Energy, 2018, 160, 740-752.	4.5	24
7	Electric Turbocharging for Energy Regeneration and Increased Efficiency at Real Driving Conditions. Applied Sciences (Switzerland), 2017, 7, 350.	1.3	22
8	A fully renewable and efficient backup power system with a hydrogen-biodiesel-fueled IC engine. Energy Procedia, 2019, 157, 1305-1319.	1.8	20
9	A Piston Geometry and Nozzle Spray Angle Investigation in a DI Diesel Engine by Quantifying the Air-Fuel Mixture. International Journal of Spray and Combustion Dynamics, 2015, 7, 1-24.	0.4	19
10	Effects of advanced injection strategies on the in-cylinder air-fuel homogeneity of diesel engines. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 330-341.	1.1	12
11	On the capabilities and limitations of predictive, multi-zone combustion models for hydrogen-diesel dual fuel operation. International Journal of Hydrogen Energy, 2019, 44, 18517-18531.	3.8	12
12	A novel fuzzy logic variable geometry turbocharger and exhaust gas recirculation control scheme for optimizing the performance and emissions of a diesel engine. International Journal of Engine Research, 2020, 21, 1298-1313.	1.4	11
13	Diesel Engine Combustion Optimization for Bio-Diesel Blends Using Taguchi and ANOVA Statistical Methods. , 0, , .		8
14	The benefits of a mid-route exhaust gas recirculation system for two-stage boosted engines. International Journal of Engine Research, 2018, 19, 553-569.	1.4	8
15	Analysis of Diesel Engine In-Cylinder Air-Fuel Mixing with Homogeneity Factor: Combined Effects of Pilot Injection Strategies and Air Motion. SAE International Journal of Engines, 0, 7, 2045-2060.	0.4	7
16	Attempt to correlate simulations and measurements of turbine performance under pulsating flows for automotive turbochargers. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 174-187.	1.1	7
17	Experimental and Simulation Analysis of Natural Gas-Diesel Combustion in Dual-Fuel Engines. Frontiers in Mechanical Engineering, 2020, 6, .	0.8	6
18	A Comparison of 1D-3D Co-Simulation and Transient 3D Simulation for EGR Distribution Studies. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Implementing Full Electric Turbocharging Systems on Highly Boosted Gasoline Engines. , 2017, , .		2
20	Preliminary DoE Analysis and Control of Mapping Procedure for a Turbocharger on an Engine Gas-Stand. , 2016, , .		0