Pavlos Dimitriou

List of Publications by Citations

16 papers	475 citations	10 h-index	20 g-index
20 ext. papers	717 ext. citations	4.2 avg, IF	4.97 L-index

#	Paper	IF	Citations
16	A review of hydrogen as a compression ignition engine fuel. *International Journal of Hydrogen Energy*, **2017**, 42, 24470-24486	6.7	135
15	A review of ammonia as a compression ignition engine fuel. *International Journal of Hydrogen Energy*, **2020**, 45, 7098-7118	6.7	109
14	Combustion and emission characteristics of a hydrogen-diesel dual-fuel engine. *International Journal of Hydrogen Energy*, **2018**, 43, 13605-13617	6.7	78
13	Adopting biodiesel as an indirect way to reduce the NOx emission of a hydrogen fumigated dual-fuel engine. *Fuel*, **2019**, 244, 324-334	7.1	35
12	Low-load hydrogen-diesel dual-fuel engine operation – A combustion efficiency improvement approach. *International Journal of Hydrogen Energy*, **2019**, 44, 17048-17060	6.7	19
11	Hydrogen-diesel dual-fuel engine optimization for CHP systems. *Energy*, **2018**, 160, 740-752	7.9	16
10	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	1.3	14
9	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	1.4	11
8	A fully renewable and efficient backup power system with a hydrogen-biodiesel-fueled IC engine. *Energy Procedia*, **2019**, 157, 1305-1319	2.3	10
7	Electric Turbocharging for Energy Regeneration and Increased Efficiency at Real Driving Conditions. *Applied Sciences (Switzerland)*, **2017**, 7, 350	2.6	10
6	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	1.4	7
5	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	2.7	7
4	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	6.7	6
3	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*, **2014**, 7, 2045-2060	2.4	6
2	Diesel Engine Combustion Optimization for Bio-Diesel Blends Using Taguchi and ANOVA Statistical Methods **2013**,		6
1	The benefits of a mid-route exhaust gas recirculation system for two-stage boosted engines. *International Journal of Engine Research*, **2018**, 19, 553-569	2.7	4