

Efthimios G Pariotis

List of Publications by Year in descending order

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21
papers

643
citations

840776

11
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Achievement of NO Emissionâ€™Free Operation of a HSDI Diesel Engine Using Nitrogen Enrichment of Intake Air and Implications on Performance and Soot Emissions. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	0
2	Marine Exhaust Gas Treatment Systems for Compliance with the IMO 2020 Global Sulfur Cap and Tier III NOx Limits: A Review. Energies, 2022, 15, 3638.	3.1	18
3	Prediction of a Shipâ€™s Operational Parameters Using Artificial Intelligence Techniques. Journal of Marine Science and Engineering, 2021, 9, 681.	2.6	10
4	Comparative Assessment of the Impact of Water Addition either to the Intake Air or in Diesel Emulsion on the Performance and Emissions of a HDDI Diesel Engine. Journal of Energy Engineering - ASCE, 2020, 146, .	1.9	4
5	Integrated Simulation Framework for Assessing Turbocharger Fault Effects on Diesel-Engine Performance and Operability. Journal of Energy Engineering - ASCE, 2020, 146, 04020023.	1.9	13
6	Thermo-Economic Study of a Regenerative Dual-Loop ORC System Coupled to the Main Diesel Engines of a General Support Vessel. Energies, 2020, 13, 2991.	3.1	2
7	An Integrated Approach for the Assessment of Central Cooling Retrofit Using Variable Speed Drive Pump in Marine Applications. Journal of Marine Science and Engineering, 2019, 7, 253.	2.6	5
8	Experimental Study of DI Diesel Engine Operational and Environmental Behavior Using Blends of City Diesel with Glycol Ethers and RME. Energies, 2019, 12, 1547.	3.1	5
9	i-ZEN an Intelligent Zero ENergy Flow Meter. , 2018, , .		0
10	Effect of Turbocharger Cut Out on Two-Stroke Marine Diesel Engine Performance and NOx Emissions at Part Load Operation. , 2014, , .		3
11	Heat transfer and crevice flow in a hydrogen-fueled spark-ignition engine: Effect on the engine performance and NO exhaust emissions. International Journal of Hydrogen Energy, 2013, 38, 7477-7489.	7.1	25
12	Comparative analysis of three simulation models applied on a motored internal combustion engine. Energy Conversion and Management, 2012, 60, 45-55.	9.2	23
13	Thermodynamic analysis of a Rankine cycle applied on a diesel truck engine using steam and organic medium. Energy Conversion and Management, 2012, 60, 68-76.	9.2	102
14	Investigating the effect of crevice flow on internal combustion engines using a new simple crevice model implemented in a CFD code. Applied Energy, 2011, 88, 111-126.	10.1	73
15	Investigation of piston bowl geometry and speed effects in a motored HSDI diesel engine using a CFD against a quasi-dimensional model. Energy Conversion and Management, 2010, 51, 470-484.	9.2	74
16	Evaluation of a combustion model for the simulation of hydrogen spark-ignition engines using a CFD code. International Journal of Hydrogen Energy, 2010, 35, 12545-12560.	7.1	55
17	Critical evaluation of current heat transfer models used in CFD in-cylinder engine simulations and establishment of a comprehensive wall-function formulation. Applied Energy, 2010, 87, 1612-1630.	10.1	134
18	Identification of the Error Introduced in DI Diesel Engine Phenomenological Multi-Zone Models from Assumptions Related to the Initial Conditions at the Nozzle Exit. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
19	Evaluation of a new computational fluid dynamics model for internal combustion engines using hydrogen under motoring conditions. <i>Energy</i> , 2009, 34, 2158-2166.	8.8	27
20	Characteristics of the performance and emissions of a HSDI diesel engine running with cottonseed oil or its methyl ester and their blends with diesel fuel. <i>International Journal of Vehicle Design</i> , 2007, 45, 200.	0.3	22
21	Theoretical study of DI diesel engine performance and pollutant emissions using comparable air-side and fuel-side oxygen addition. <i>Energy Conversion and Management</i> , 2007, 48, 2962-2970.	9.2	46