

Massimo Capobianco

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

805
citations

567281

15
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on the effects of HP and LP EGR in an automotive turbocharged diesel engine. Applied Energy, 2012, 94, 117-128.	10.1	93
2	Steady and pulsating flow efficiency of a waste-gated turbocharger radial flow turbine for automotive application. Energy, 2011, 36, 459-465.	8.8	72
3	Hybrid EGR and turbocharging systems control for low NO and fuel consumption in an automotive diesel engine. Applied Energy, 2016, 165, 839-848.	10.1	71
4	Influence of high and low pressure EGR and VGT control on in-cylinder pressure diagrams and rate of heat release in an automotive turbocharged diesel engine. Applied Thermal Engineering, 2013, 51, 586-596.	6.0	65
5	Evaluation of an electric turbo compound system for SI engines: A numerical approach. Applied Energy, 2016, 162, 527-540.	10.1	59
6	1D Simulation and Experimental Analysis of a Turbocharger Compressor for Automotive Engines under Unsteady Flow Conditions. SAE International Journal of Engines, 0, 4, 1365-1384.	0.4	50
7	Experimental analysis on the performance of a turbocharger compressor in the unstable operating region and close to the surge limit. Experimental Thermal and Fluid Science, 2014, 53, 154-160.	2.7	43
8	Pulsating flow performance of a turbocharger compressor for automotive application. International Journal of Heat and Fluid Flow, 2014, 45, 158-165.	2.4	39
9	Experimental evaluation of Heavy Duty Vehicle speed patterns in urban and port areas and estimation of their fuel consumption and exhaust emissions. Transportation Research, Part D: Transport and Environment, 2015, 35, 1-10.	6.8	37
10	Evaluation of heat transfer effects in small turbochargers by theoretical model and its experimental validation. Energy, 2016, 112, 264-272.	8.8	32
11	Estimation of road vehicle exhaust emissions from 1992 to 2010 and comparison with air quality measurements in Genoa, Italy. Atmospheric Environment, 2009, 43, 1086-1092.	4.1	26
12	Effect of Pulsating Flow Characteristics on Performance and Surge Limit of Automotive Turbocharger Compressors. SAE International Journal of Engines, 2012, 5, 596-601.	0.4	26
13	Assessment of heavy-duty vehicle activities, fuel consumption and exhaust emissions in port areas. Applied Energy, 2013, 111, 921-929.	10.1	26
14	Effects of a Dual-Loop Exhaust Gas Recirculation System and Variable Nozzle Turbine Control on the Operating Parameters of an Automotive Diesel Engine. Energies, 2017, 10, 47.	3.1	26
15	On-road instantaneous speed measurements on powered two-wheelers for exhaust emissions and fuel consumption evaluation. Energy, 2011, 36, 1039-1047.	8.8	24
16	Turbocharger turbine performance under steady and unsteady flow: test bed analysis and correlation criteria. , 2006, , 193-206.		22
17	Waste-Gate Turbocharging Control in Automotive SI Engines: Effect on Steady and Unsteady Turbine Performance. , 0, , .		22
18	A detailed one-dimensional model to predict the unsteady behavior of turbocharger turbines for internal combustion engine applications. International Journal of Engine Research, 2019, 20, 327-349.	2.3	18

#	ARTICLE	IF	CITATIONS
19	Heat Transfer Effects on Performance Map of a Turbocharger Compressor for Automotive Application. , 0, , .		13
20	Experimental Investigation on Surge Phenomena inÂan Automotive Turbocharger Compressor. , 0, , .		11
21	Numerical Evaluation of an Electric Turbo Compound for SI Engines. , 2014, , .		7
22	Experimental Investigation and 1D Simulation of a Turbocharger Compressor Close to Surge Operation. SAE International Journal of Engines, 2015, 8, 1866-1878.	0.4	5
23	Towards the Direct Evaluation of Turbine Isentropic Efficiency in Turbocharger Testing. , 2016, , .		5
24	Effect of Circuit Geometry on Steady Flow Performance of an Automotive Turbocharger Compressor. Energy Procedia, 2016, 101, 630-637.	1.8	4
25	Effects of rail pressure control on fuel consumption, emissions and combustion parameters in a turbocharged diesel engine. Cogent Engineering, 2020, 7, 1724848.	2.2	4
26	Experimental and Numerical Analysis of Mechanical Friction Losses in Automotive Turbochargers. , 0, , .		3
27	An experimental apparatus for testing biodiesels based on a CFR engineâ€”setup and validation with different methyl ester blends. International Journal of Green Energy, 2016, 13, 481-488.	3.8	2