Sergio Hanriot

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8620481/publications.pdf

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25	544	933447 10	677142 22
papers	citations	h-index	g-index

25	25	25	580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using engine exhaust gas as energy source for an absorption refrigeration system. Applied Energy, 2010, 87, 1141-1148.	10.1	146
2	Hydrogen impacts on performance and CO2 emissions from a diesel power generator. International Journal of Hydrogen Energy, 2013, 38, 6857-6864.	7.1	72
3	Fundamental Studies of Adhesion of Dust to PV Module Surfaces: Chemical and Physical Relationships at the Microscale. IEEE Journal of Photovoltaics, 2016, 6, 719-729.	2.5	69
4	Energy and exergy analysis of the airflow inside a solar chimney. Renewable and Sustainable Energy Reviews, 2013, 27, 350-361.	16.4	50
5	Automotive exhaust gas flow control for an ammoniaâ€“water absorption refrigeration system. Applied Thermal Engineering, 2014, 64, 101-107.	6.0	44
6	Thermodynamic analysis of the drying process of bananas in a small-scale solar updraft tower in Brazil. Renewable Energy, 2017, 114, 1005-1012.	8.9	31
7	Evaluation of a tracking flat-plate solar collector in Brazil. Applied Thermal Engineering, 2014, 73, 953-962.	6.0	20
8	Incompressible pulsating flow for low Reynolds numbers in orifice plates. Flow Measurement and Instrumentation, 2017, 54, 146-157.	2.0	20
9	Influence of intake pipe length and diameter on the performance of a spark ignition engine. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2014, 36, 29-35.	1.6	16
10	Analysis of a new cross flow heat exchanger flow arrangement â€“ Extension to several rows. International Journal of Thermal Sciences, 2012, 55, 122-132.	4.9	13
11	Energy Conversion Factor for Gasoline Engines in Real-World Driving Emission Cycle. Automotive Innovation, 2020, 3, 169-180.	5.1	10
12	Numerical analysis of the air flow in internal combustion engine intake ducts using Herschel-Quincke tubes. Applied Acoustics, 2020, 165, 107310.	3.3	8
13	Energy factors for flexible fuel engines and vehicles operating with gasoline-ethanol blends. Transportation Research, Part D: Transport and Environment, 2018, 65, 368-374.	6.8	7
14	Analysis of working parameters for an ammonia-water absorption refrigeration system powered by automotive exhaust gas. Case Studies in Thermal Engineering, 2019, 13, 100406.	5.7	7
15	An assessment of fuel consumption and emissions from a diesel power generator converted to operate with ethanol. Sustainable Energy Technologies and Assessments, 2019, 35, 291-297.	2.7	6
16	Effects of variable-volume Helmholtz resonator on air mass flow rate of intake manifold. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	6
17	An experimental comparison between LPG and engine exhaust gas as energy source for an absorption refrigeration system. International Journal of Energy Research, 2012, 36, 820-828.	4.5	5
18	Parametric Analysis of Geometric Configurations of a Small-Scale Solar Chimney. Advanced Materials Research, 0, 1051, 975-979.	0.3	3

#	Article	IF	Citations
19	Numerical modeling of the thermalâ€“hydraulic behavior of wire-on-tube condensers operating with HFC-134a using homogeneous equilibrium model: evaluation of some void fraction correlations. Heat and Mass Transfer, 2016, 52, 183-195.	2.1	3
20	Analysis of pulsating phenomena in an ICE intake manifold using lumped parameter and transfer matrix methods. Applied Acoustics, 2021, 178, 108029.	3.3	3
21	Assessment of the Fluid Dynamics Aspects of a Vehicle Ventilation System. International Journal of Ventilation, 2015, 14, 65-76.	0.4	2
22	Droplet Combustion Characteristics of Biodieselâ€“Diesel Blends using High Speed Backlit and Schlieren Imaging. Heat Transfer Engineering, 2019, 40, 1085-1098.	1.9	2
23	Using artificial neural networks to represent a dieselâ€“biodiesel engine. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	1
24	Investigation of the Predictive Ability of Two Advection Schemes on the Formation of a Turbulent Separation Bubble in a Boundary Layer Wind Tunnel. Applied Mechanics and Materials, 0, 477-478, 181-185.	0.2	0
25	Evaluation of Correlations for Natural Convection on the Behavior of a Wire-on-Tube Condenser. Advanced Materials Research, 2014, 1016, 774-777.	0.3	0