

Sergio Hanriot

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

544
citations

933447

10
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

580
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of pulsating phenomena in an ICE intake manifold using lumped parameter and transfer matrix methods. <i>Applied Acoustics</i> , 2021, 178, 108029.	3.3	3
2	Using artificial neural networks to represent a diesel–biodiesel engine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	1
3	Energy Conversion Factor for Gasoline Engines in Real-World Driving Emission Cycle. <i>Automotive Innovation</i> , 2020, 3, 169-180.	5.1	10
4	Numerical analysis of the air flow in internal combustion engine intake ducts using Herschel-Quincke tubes. <i>Applied Acoustics</i> , 2020, 165, 107310.	3.3	8
5	An assessment of fuel consumption and emissions from a diesel power generator converted to operate with ethanol. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 35, 291-297.	2.7	6
6	Effects of variable-volume Helmholtz resonator on air mass flow rate of intake manifold. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	6
7	Analysis of working parameters for an ammonia-water absorption refrigeration system powered by automotive exhaust gas. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100406.	5.7	7
8	Droplet Combustion Characteristics of Biodiesel–Diesel Blends using High Speed Backlit and Schlieren Imaging. <i>Heat Transfer Engineering</i> , 2019, 40, 1085-1098.	1.9	2
9	Energy factors for flexible fuel engines and vehicles operating with gasoline-ethanol blends. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 65, 368-374.	6.8	7
10	Incompressible pulsating flow for low Reynolds numbers in orifice plates. <i>Flow Measurement and Instrumentation</i> , 2017, 54, 146-157.	2.0	20
11	Thermodynamic analysis of the drying process of bananas in a small-scale solar updraft tower in Brazil. <i>Renewable Energy</i> , 2017, 114, 1005-1012.	8.9	31
12	Fundamental Studies of Adhesion of Dust to PV Module Surfaces: Chemical and Physical Relationships at the Microscale. <i>IEEE Journal of Photovoltaics</i> , 2016, 6, 719-729.	2.5	69
13	Numerical modeling of the thermal–hydraulic behavior of wire-on-tube condensers operating with HFC-134a using homogeneous equilibrium model: evaluation of some void fraction correlations. <i>Heat and Mass Transfer</i> , 2016, 52, 183-195.	2.1	3
14	Assessment of the Fluid Dynamics Aspects of a Vehicle Ventilation System. <i>International Journal of Ventilation</i> , 2015, 14, 65-76.	0.4	2
15	Evaluation of Correlations for Natural Convection on the Behavior of a Wire-on-Tube Condenser. <i>Advanced Materials Research</i> , 2014, 1016, 774-777.	0.3	0
16	Influence of intake pipe length and diameter on the performance of a spark ignition engine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2014, 36, 29-35.	1.6	16
17	Automotive exhaust gas flow control for an ammonia–water absorption refrigeration system. <i>Applied Thermal Engineering</i> , 2014, 64, 101-107.	6.0	44
18	Evaluation of a tracking flat-plate solar collector in Brazil. <i>Applied Thermal Engineering</i> , 2014, 73, 953-962.	6.0	20

#	ARTICLE	IF	CITATIONS
19	Energy and exergy analysis of the airflow inside a solar chimney. Renewable and Sustainable Energy Reviews, 2013, 27, 350-361.	16.4	50
20	Hydrogen impacts on performance and CO2 emissions from a diesel power generator. International Journal of Hydrogen Energy, 2013, 38, 6857-6864.	7.1	72
21	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
22	Analysis of a new cross flow heat exchanger flow arrangement “ Extension to several rows. International Journal of Thermal Sciences, 2012, 55, 122-132.	4.9	13
23	Using engine exhaust gas as energy source for an absorption refrigeration system. Applied Energy, 2010, 87, 1141-1148.	10.1	146
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	Parametric Analysis of Geometric Configurations of a Small-Scale Solar Chimney. Advanced Materials Research, 0, 1051, 975-979.	0.3	3