

Francisco P Brito

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,131
citations

567281
15
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434195
31
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49
docs citations

49
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex Fluid Flow in Microchannels and Heat Pipes with Enhanced Surfaces for Advanced Heat Conversion and Recovery Systems. <i>Energies</i> , 2022, 15, 1478.	3.1	5
2	Optimization of Processing Parameters of Compression Molding Process by Application of Taguchi and Minitab. , 2022, 8, .		0
3	Assessment of an Exhaust Thermoelectric Generator Incorporating Thermal Control Applied to a Heavy Duty Vehicle. <i>Energies</i> , 2022, 15, 4787.	3.1	4
4	Analysis of thermoelectric generator incorporating n-magnesium silicide and p-tetrahedrite materials. <i>Energy Conversion and Management</i> , 2021, 236, 114003.	9.2	16
5	Experimental Assessment of the Performance and Emissions of a Spark-Ignition Engine Using Waste-Derived Biofuels as Additives. <i>Energies</i> , 2021, 14, 5209.	3.1	3
6	Analysis and Design of a Silicide-Tetrahedrite Thermoelectric Generator Concept Suitable for Large-Scale Industrial Waste Heat Recovery. <i>Energies</i> , 2021, 14, 5655.	3.1	8
7	Performance of binary and ternary blends of gasoline, pyrogasoline and ethanol in spark ignition engines. <i>Progress in Industrial Ecology</i> , 2021, 1, 1.	0.2	1
8	Water injection as a way for pollution control. <i>Energy Reports</i> , 2021, 7, 543-549.	5.1	4
9	Water injection in spark ignition enginesâ€”Impact on engine cycle. <i>Energy Reports</i> , 2021, 7, 374-379.	5.1	2
10	Direct water injection and combustion time in SI engines. <i>Energy Reports</i> , 2021, 7, 798-803.	5.1	2
11	Efficiency improvement of vehicles using temperature controlled exhaust thermoelectric generators. <i>Energy Conversion and Management</i> , 2020, 203, 112255.	9.2	22
12	PLA Composites Reinforced with Flax and Jute Fibersâ€”A Review of Recent Trends, Processing Parameters and Mechanical Properties. <i>Polymers</i> , 2020, 12, 2373.	4.5	100
13	Performance and Emissions of a Spark Ignition Engine Operated with Gasoline Supplemented with Pyrogasoline and Ethanol. <i>Energies</i> , 2020, 13, 4671.	3.1	3
14	Alternative Fuels for Internal Combustion Engines. <i>Energies</i> , 2020, 13, 4086.	3.1	62
15	Development and Assessment of an Over-Expanded Engine to be Used as an Efficiency-Oriented Range Extender for Electric Vehicles. <i>Energies</i> , 2020, 13, 430.	3.1	4
16	Compact automotive thermoelectric generator with embedded heat pipes for thermal control. <i>Energy</i> , 2020, 197, 117154.	8.8	48
17	High-Performance $\frac{1}{4}$ -Thermoelectric Device Based on $\text{Bi}_{2-x}\text{Te}_{3-x}\text{Sb}_{2-x}\text{Te}_{3-x}$ p-n Junctions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38946-38954.	8.0	36
18	The effect of ambient pressure on the heat transfer of a water spray. <i>Applied Thermal Engineering</i> , 2019, 152, 490-498.	6.0	10

#	ARTICLE	IF	CITATIONS
19	14th European Conference on Thermoelectrics 20-23 September 2016, Lisbon, Portugal Preface. Materials Today: Proceedings, 2018, 5, 10185-10186.	1.8	0
20	Assessment of the use of vanadium redox flow batteries for energy storage and fast charging of electric vehicles in gas stations. Energy, 2016, 115, 1478-1494.	8.8	42
21	Analysis of the effect of grooves in single and twin axial groove journal bearings under varying load direction. Tribology International, 2016, 103, 609-619.	5.9	18
22	Analysis of the Effect of Module Thickness Reduction on Thermoelectric Generator Output. Journal of Electronic Materials, 2016, 45, 1711-1729.	2.2	24
23	Analysis of a Temperature-Controlled Exhaust Thermoelectric Generator During a Driving Cycle. Journal of Electronic Materials, 2016, 45, 1846-1870.	2.2	15
24	Methodology for the Energy Characterization of Type-Approval and Real-World Driving Cycles for Passenger Vehicles. , 2015, , .		1
25	Numerical study of twin groove journal bearings performance under steady-state condition. Lubrication Science, 2015, 27, 83-102.	2.1	9
26	Thermoelectric Exhaust Heat Recovery with Heat Pipe-Based Thermal Control. Journal of Electronic Materials, 2015, 44, 1984-1997.	2.2	32
27	Vanadium redox flow batteries: a technology review. International Journal of Energy Research, 2015, 39, 889-918.	4.5	249
28	Hypo-Cycloidal Crank Mechanism to Produce an Over-Expanded Cycle Engine. Mechanisms and Machine Science, 2015, , 221-229.	0.5	1
29	An experimental investigation on the influence of deactivation of a groove on the performance of a twin groove journal bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 548-557.	1.8	6
30	Thermohydrodynamic modelling of journal bearings under varying load angle and negative groove flow rate. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 955-973.	1.8	15
31	The role of lubricant feeding conditions on the performance improvement and friction reduction of journal bearings. Tribology International, 2014, 72, 65-82.	5.9	33
32	Experimental comparison of the performance of a journal bearing with a single and a twin axial groove configuration. Tribology International, 2012, 54, 1-8.	5.9	55
33	Analysis of four-stroke, Wankel, and microturbine based range extenders for electric vehicles. Energy Conversion and Management, 2012, 58, 120-133.	9.2	121
34	Modelling of thermoelectric generator with heat pipe assist for range extender application. , 2011, , .		4
35	An experimental study of the influence of loading direction on the thermohydrodynamic behaviour of twin axial groove journal bearing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2011, 225, 245-254.	1.8	21
36	The role of lubricant feed temperature on the performance of twin groove journal bearings: an experimental study. International Journal of Surface Science and Engineering, 2011, 5, 286.	0.4	10

#	ARTICLE	IF	CITATIONS
37	Heat-Pipe Assisted Thermoelectric Generators for Exhaust Gas Applications. , 2010, , .		16
38	A Survey on Electric/Hybrid Vehicles. , 2010, , .		13
39	Experimental Investigation of the Influence of Supply Temperature and Supply Pressure on the Performance of a Two-Axial Groove Hydrodynamic Journal Bearing. Journal of Tribology, 2007, 129, 98-105.	1.9	39
40	Experimental Investigation of the Influence of Supply Temperature and Supply Pressure on the Performance of a Two Axial Groove Hydrodynamic Journal Bearing. , 2006, , 319.		3
41	Thermoelectric Exhaust Energy Recovery with Temperature Control through Heat Pipes. , 0, , .		23
42	Temperature Controlled Exhaust Heat Thermoelectric Generation. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 0, 5, 561-571.	0.3	14
43	Influence of Heat Pipe Operating Temperature on Exhaust Heat Thermoelectric Generation. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 6, 652-664.	0.4	18
44	Accident Reconstruction Using Data Retrieval from Crash-Test Video Images. , 0, , .		1
45	A New Rotary Valve for 2-Stroke Engines Enabling Over-Expansion. , 0, , .		3
46	Measurement and Prediction of Heat Transfer Losses on the XMv3 Rotary Engine. SAE International Journal of Engines, 0, 9, 2368-2380.	0.4	13
47	Analysis of a New VVT Trapezoidal Rotary Valve. , 0, , .		2
48	Native Over-Expanded Engine Based on a Planetary Crankshaft with Enhanced Balancing. , 0, , .		0
49	Improvement of Engine Performance through Intake Port Modifications Including Dimpling. , 0, , .		0