

Sergei Gusev

List of Publications by Year in descending order

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papers

273
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1306789

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1473754

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9
docs citations

9
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental comparison of organic fluids for low temperature ORC (organic Rankine cycle) systems for waste heat recovery applications. Energy, 2016, 97, 460-469.	4.5	103
2	Comparison of Moving Boundary and Finite-Volume Heat Exchanger Models in the Modelica Language. Energies, 2016, 9, 339.	1.6	39
3	Steady-state and dynamic validation of a small-scale waste heat recovery system using the ThermoCycle Modelica library. Energy, 2016, 115, 684-696.	4.5	36
4	Design and experimental validation of an adaptive control law to maximize the power generation of a small-scale waste heat recovery system. Applied Energy, 2017, 203, 549-559.	5.1	32
5	Experimental results of a small-scale organic Rankine cycle: Steady state identification and application to off-design model validation. Applied Energy, 2018, 226, 82-106.	5.1	30
6	Experimental validation of a multiple model predictive control for waste heat recovery organic Rankine cycle systems. Applied Thermal Engineering, 2021, 193, 116993.	3.0	16
7	Employing a Single-Screw Expander in an Organic Rankine Cycle with Liquid Flooded Expansion and Internal Regeneration. Energy Procedia, 2017, 129, 379-386.	1.8	11
8	Variable volume ratio free-piston expander: Prototyping and experimental campaign. International Journal of Refrigeration, 2019, 98, 70-79.	1.8	4
9	Model predictive control of a free piston compressor/expander with an integrated linear motor/alternator. IOP Conference Series: Materials Science and Engineering, 2019, 604, 012076.	0.3	2