# Tomasz Zygmunt Kaczmarczyk

List of Publications by Year
in descending order



| 23 | 299 | 840119 11 | 887659 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 267 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A review of expanders for power generation in small-scale organic Rankine cycle systems: Performance and operational aspects. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2016, 230, 669-684. | 0.8 | 48 |
| 2 | The impact of changes in the geometry of a radial microturbine stage on the efficiency of the micro CHP plant based on ORC. Energy, 2017, 137, 530-543. | 4.5 | 35 |
| 3 | Pool boiling of water-Al2O3 and water-Cu nanofluids on horizontal smooth tubes. Nanoscale Research Letters, 2011, 6, 220. | 3.1 | 31 |
| 4 | Pool Boiling of Waterâ€“Al<sub>2</sub>O<sub>3</sub>and Waterâ€“Cu Nanofluids Outside Porous Coated Tubes. Heat Transfer Engineering, 2015, 36, 553-563. | 1.2 | 25 |
| 5 | Experimental investigation of the domestic CHP ORC system in transient operating conditions. Energy Procedia, 2017, 129, 637-643. | 1.8 | 25 |
| 6 | Experimental study of a low-temperature micro-scale organic Rankine cycle system with the multi-stage radial-flow turbine for domestic applications. Energy Conversion and Management, 2019, 199, 111941. | 4.4 | 15 |
| 7 | Experimental research on scroll expanders operating in parallel in an organic Rankine cycle system with a biomass boiler. Energy Conversion and Management, 2020, 224, 113390. | 4.4 | 15 |
| 8 | Experimental investigation of the ORC system in a cogenerative domestic power plant with a scroll expanders. Open Engineering, 2015, 5, . | 0.7 | 14 |
| 9 | Investigation of dynamic properties of the microturbine with a maximum rotational speed of 120 krpm â€“ predictions and experimental tests. Journal of Vibroengineering, 2020, 22, 298-312. | 0.5 | 14 |
| 10 | Design and investigation of a partial admission radial 2.5â€kW organic Rankine cycle microâ€turbine. International Journal of Energy Research, 2020, 44, 11029-11043. | 2.2 | 12 |
| 11 | Vibroacoustic diagnostics of a radial microturbine and a scroll expander operating in the organic Rankine cycle installation. Journal of Vibroengineering, 2016, 18, 4130-4147. | 0.5 | 12 |
| 12 | Experimental research of a small biomass organic Rankine cycle plant with multiple scroll expanders intended for domestic use. Energy Conversion and Management, 2021, 244, 114437. | 4.4 | 11 |
| 13 | Pool boiling of nanofluids on rough and porous coated tubes: experimental and correlation. Archives of Thermodynamics, 2014, 35, 3-20. | 1.0 | 10 |
| 14 | The Experimental Investigation of the Biomass-Fired ORC System with a Radial Microturbine. Applied Mechanics and Materials, 2016, 831, 235-244. | 0.2 | 7 |
| 15 | Fibre Bragg grating sensors as a measurement tool for an organic Rankine cycle micro-turbogenerator. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107666. | 2.5 | 7 |
| 16 | The effect of pressure on heat transfer during pool boiling of water-Al2O3 and water-Cu nanofluids on stainless steel smooth tube. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2011, 32, . | 0.7 | 6 |
| 17 | The Experimental Investigation of Scroll Expanders Operating in the ORC System with HFE7100 as a Working Medium. Applied Mechanics and Materials, 0, 831, 245-255. | 0.2 | 5 |
| 18 | Experimental evaluation of the dynamic properties of an energy microturbine with defects in the rotating system. Eksploatacja I Niezawodnosc, 2019, 21, 670-678. | 1.1 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Experimental research on the domestic ORC micro power plant with a commercial biomass boiler. E3S Web of Conferences, 2018, 46, 00021. | 0.2 | 2 |
| 20 | Desing and construction of the test bench for testing scroll expanders in ORC system. , 2015, , 561/349-561/356. | 0.2 | 0 |
| 21 | The use of modern plastics for the construction of high speed fluid-flow machinery. , 2018, , 508-510. | 0.2 | 0 |
| 22 | Identification of the causes of increased vibrations in the high-power multi-stage rotodynamic pump. Diagnostyka, 2018, 19, 81-88. | 0.5 | 0 |
| 23 | Experimental research of a micropower volumetric expander for domestic applications at constant electrical load. Sustainable Energy Technologies and Assessments, 2022, 49, 101755. | 1.7 | 0 |