

# Piotr Kolasiński

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4406203/publications.pdf>

Version: 2024-02-01

33  
papers

371  
citations

759190

12  
h-index

794568

19  
g-index

33  
all docs

33  
docs citations

33  
times ranked

294  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sizing the Thermal Energy Storage Device Utilizing Phase Change Material (PCM) for Low-Temperature Organic Rankine Cycle Systems Employing Selected Hydrocarbons. <i>Energies</i> , 2022, 15, 956.	3.1	6
2	A Preliminary Design and Modeling Analysis of Two-Phase Volumetric Expanders for a Novel Reversible Organic Rankine-Based Cycle for Carnot Battery Technology. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3557.	2.5	3
3	Waste Heat Recovery in Automotive Paint Shop via Organic Rankine Cycle and Thermal Energy Storage System—Selected Thermodynamic Issues. <i>Energies</i> , 2022, 15, 2239.	3.1	3
4	A Comparative Study of Cooling Sources in Organic Rankine Cycle for Low-Temperature Geothermal Heat Sources. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1014, 012008.	0.3	1
5	Thermodynamic efficiency of subcritical and transcritical power cycles utilizing selected ACZ working fluids. <i>Energy</i> , 2022, 254, 124432.	8.8	5
6	Modern Small and Microcogeneration Systems—A Review. <i>Energies</i> , 2021, 14, 785.	3.1	14
7	Application of volumetric expanders in small vapour power plants used in distributed energy generation — Selected design and thermodynamic issues. <i>Energy Conversion and Management</i> , 2021, 231, 113859.	9.2	13
8	Energy Processes, Systems and Equipment. <i>Energies</i> , 2021, 14, 1701.	3.1	3
9	Sizing the thermal energy storage (TES) device for organic Rankine cycle (ORC) power systems. <i>MATEC Web of Conferences</i> , 2021, 345, 00018.	0.2	2
10	The efficiency of transcritical CO <sub>2</sub> cycle near critical point and with high temperature. <i>MATEC Web of Conferences</i> , 2021, 345, 00005.	0.2	0
11	Thermodynamic efficiency of trilateral flash cycle, organic Rankine cycle and partially evaporated organic Rankine cycle. <i>Energy Conversion and Management</i> , 2021, 249, 114731.	9.2	26
12	Domestic Organic Rankine Cycle-Based Cogeneration Systems as a Way to Reduce Dust Emissions in Municipal Heating. <i>Energies</i> , 2020, 13, 3983.	3.1	6
13	Experimental and modelling studies on the possible application of heat storage devices for powering the ORC (organic rankine cycle) systems. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100586.	2.7	12
14	The Method of the Working Fluid Selection for Organic Rankine Cycle (ORC) Systems Employing Volumetric Expanders. <i>Energies</i> , 2020, 13, 573.	3.1	22
15	Studies on the possible application of heat storage devices for powering the ORC (Organic Rankine) Tj ETQq1 1 0.784314 rgBT /Overbo	0.5	0
16	Exergy Analysis of Fluidized Desiccant Cooling System. <i>Entropy</i> , 2019, 21, 757.	2.2	5
17	Application of the Multi-Vane Expanders in ORC Systems—A Review on the Experimental and Modeling Research Activities. <i>Energies</i> , 2019, 12, 2975.	3.1	15
18	Experimental and numerical flow analysis and design optimization of a fume hood using the CFD method. <i>Chemical Engineering Research and Design</i> , 2018, 132, 627-643.	5.6	16

#	ARTICLE	IF	CITATIONS
19	Influence of the Applied Working Fluid and the Arrangement of the Steering Edges on Multi-Vane Expander Performance in Micro ORC System. <i>Energies</i> , 2018, 11, 892.	3.1	10
20	The Influence of Operating Parameters on Adsorption/Desorption Characteristics and Performance of the Fluidised Desiccant Cooler. <i>Energies</i> , 2018, 11, 1597.	3.1	7
21	Experimental investigation on multi-vane expander operating conditions in domestic CHP ORC system. <i>Energy Procedia</i> , 2017, 129, 323-330.	1.8	19
22	Modelling and experimental analyzes on air-fluidised silica gel-water adsorption and desorption. <i>Applied Thermal Engineering</i> , 2017, 127, 950-962.	6.0	23
23	Use of Rolling Piston Expanders for Energy Regeneration in Natural Gas Pressure Reduction Stations—Selected Thermodynamic Issues. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 535.	2.5	13
24	Numerical modelling of multi-vane expander operating conditions in ORC system. <i>E3S Web of Conferences</i> , 2017, 22, 00142.	0.5	0
25	Effect of operating conditions on performance of silica gel-water air-fluidised desiccant cooler. <i>E3S Web of Conferences</i> , 2017, 22, 00146.	0.5	2
26	Experimental and Numerical Analyses on the Rotary Vane Expander Operating Conditions in a Micro Organic Rankine Cycle System. <i>Energies</i> , 2016, 9, 606.	3.1	38
27	A Review on Electroactive Polymers for Waste Heat Recovery. <i>Materials</i> , 2016, 9, 485.	2.9	14
28	Direct waste heat recovery via thermoelectric materials - chosen issues of the thermodynamic description. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 113, 012022.	0.6	0
29	Modelling of the mixed convection in a lid-driven cavity with a constant heat flux boundary condition. <i>Heat and Mass Transfer</i> , 2016, 52, 595-609.	2.1	10
30	The Influence of the Heat Source Temperature on the Multivane Expander Output Power in an Organic Rankine Cycle (ORC) System. <i>Energies</i> , 2015, 8, 3351-3369.	3.1	31
31	The use of spiral heat exchangers in the orc domestic systems. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2015, 32, 23-35.	0.2	0
32	The Application of Rotary Vane Expanders in Organic Rankine Cycle Systems—Thermodynamic Description and Experimental Results. <i>Journal of Engineering for Gas Turbines and Power</i> , 2013, 135, .	1.1	48
33	Solar High-Temperature Heat Accumulation System with ORC Generator. , 2011, , .		4