

# Andrzej Rusin

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

582  
citations

687363

13  
h-index

610901

24  
g-index

37  
all docs

37  
docs citations

37  
times ranked

599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steam turbine maintenance planning based on forecasting of life consumption processes and risk analysis. <i>Eksploracja I Niezawodność</i> , 2022, 24, 395-406.	2.0	2
2	Risk-Based Operation and Maintenance Planning of Steam Turbine with the Long In-Service Time. <i>Energies</i> , 2022, 15, 5019.	3.1	0
3	Potential hazards posed by biogas plants. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110225.	16.4	17
4	Selecting optimal conditions for the turbine warm and hot start-up. <i>Energy</i> , 2021, 214, 118836.	8.8	2
5	On-Line Control of Stresses in the Power Unit Pressure Elements Taking Account of Variable Heat Transfer Conditions. <i>Energies</i> , 2021, 14, 4708.	3.1	5
6	Analysis of the Effects of Failure of a Gas Pipeline Caused by a Mechanical Damage. <i>Energies</i> , 2021, 14, 7686.	3.1	7
7	Analysis of hazards related to syngas production and transport. <i>Renewable Energy</i> , 2020, 146, 2535-2555.	8.9	14
8	Risk-Based Planning of Diagnostic Testing of Turbines Operating with Increased Flexibility. <i>Energies</i> , 2020, 13, 3464.	3.1	5
9	The Application of Molten Salt Energy Storage to Advance the Transition from Coal to Green Energy Power Systems. <i>Energies</i> , 2020, 13, 2222.	3.1	12
10	Improving the power unit operation flexibility by the turbine start-up optimization. <i>Energy</i> , 2020, 198, 117303.	8.8	16
11	Improving the availability and lengthening the life of power unit elements through the use of risk-based maintenance planning. <i>Energy</i> , 2019, 180, 28-35.	8.8	10
12	Selecting optimal conditions for the turbine warm and hot start-up. <i>E3S Web of Conferences</i> , 2019, 137, 01025.	0.5	0
13	Hazards associated with syngas storage. <i>E3S Web of Conferences</i> , 2019, 137, 01022.	0.5	5
14	Analysis and management of operating risk created by turbine operation under flexible regimes. <i>E3S Web of Conferences</i> , 2019, 137, 01026.	0.5	1
15	The impact of the control method of cyclic operation on the power unit efficiency and life. <i>Energy</i> , 2018, 150, 565-574.	8.8	10
16	Analysis of Thermal and Stress States in Transient Operation of a Turbine Co-operating with Twinboiler. <i>Heat Transfer Engineering</i> , 2018, 39, 1251-1259.	1.9	3
17	Analysis of compression and transport of the methane/hydrogen mixture in existing natural gas pipelines. <i>International Journal of Pressure Vessels and Piping</i> , 2018, 166, 24-34.	2.6	77
18	Maintenance planning of power plant elements based on avoided risk value. <i>Energy</i> , 2017, 134, 672-680.	8.8	10

#	ARTICLE	IF	CITATIONS
19	Comprehensive analysis of hydrogen compression and pipeline transportation from thermodynamics and safety aspects. <i>Energy</i> , 2017, 141, 2508-2518.	8.8	95
20	Using the artificial neural network to control the steam turbine heating process. <i>Applied Thermal Engineering</i> , 2016, 108, 204-210.	6.0	32
21	Assessment of the rise in the turbine operation risk due to increased cyclicality of the power unit operation. <i>Energy</i> , 2016, 96, 394-403.	8.8	6
22	An Analysis of Hazards Caused by Emissions of Amines from Carbon Dioxide Capture Installations. <i>Polish Journal of Environmental Studies</i> , 2016, 25, 909-916.	1.2	3
23	Trends of changes in the power generation system structure and their impact on the system reliability. <i>Energy</i> , 2015, 92, 128-134.	8.8	21
24	Reducing the risk level for pipelines transporting carbon dioxide and hydrogen by means of optimal safety valves spacing. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 33, 77-87.	3.3	27
25	Analysis of Risk Related to Carbon Dioxide Pipeline Transport. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2015, , 95-134.	0.4	0
26	Practical Algorithms for Online Thermal Stress Calculations and Heating Process Control. <i>Journal of Thermal Stresses</i> , 2014, 37, 1286-1301.	2.0	20
27	The Analysis of Pipeline Transportation Process for CO <sub>2</sub> Captured From Reference Coal-Fired 900 MW Power Plant to Sequestration Region. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2014, 35, 497-514.	0.7	7
28	Transient Temperature and Thermal Stresses in Turbine Components. , 2014, , 6198-6215.		2
29	Comprehensive analysis of pipeline transportation systems for CO <sub>2</sub> sequestration. Thermodynamics and safety problems. <i>Energy Conversion and Management</i> , 2013, 76, 665-673.	9.2	63
30	Analysis of relationships between residual magnetic field and residual stress. <i>Meccanica</i> , 2013, 48, 45-55.	2.0	24
31	Shape and operation optimisation of a supercritical steam turbine rotor. <i>Energy Conversion and Management</i> , 2013, 74, 417-425.	9.2	27
32	Shrink connection modelling of the steam turbine rotor. <i>Engineering Failure Analysis</i> , 2013, 34, 217-227.	4.0	23
33	Selection of the rotor heat-up rate for supercritical parameter turbines. <i>Archives of Thermodynamics</i> , 2013, 34, 89-104.	1.0	0
34	Modelling the effects of failure of pipelines transporting hydrogen. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2011, 32, 117-134.	0.7	4
35	Computer-Aided Risk Analysis of Power Units. <i>Journal of KONBiN</i> , 2010, 14-15, 155-164.	0.4	0
36	Assessment of operational risk of steam turbine valves. <i>International Journal of Pressure Vessels and Piping</i> , 2004, 81, 373-379.	2.6	7

#	ARTICLE	IF	CITATIONS
37	The influence of the start-ups and cyclic loads of steam turbines conducted according to European standards on the component's life. Energy, 2001, 26, 1083-1099.	8.8	25