

# Janusz R Rak

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

483  
citations

687363

13  
h-index

752698

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure analysis and assessment on the exemplary water supply network. <i>Engineering Failure Analysis</i> , 2015, 57, 137-142.	4.0	56
2	Consumers' Perceptions of the Supply of Tap Water in Crisis Situations. <i>Energies</i> , 2020, 13, 3617.	3.1	41
3	An Approach to Determine Risk Indices for Drinking Water – Study Investigation. <i>Sustainability</i> , 2019, 11, 3189.	3.2	37
4	Qualitative analysis of the failure risk of water pipes in terms of water supply safety. <i>Engineering Failure Analysis</i> , 2019, 95, 371-378.	4.0	34
5	Approaches to Failure Risk Analysis of the Water Distribution Network with Regard to the Safety of Consumers. <i>Water (Switzerland)</i> , 2018, 10, 1679.	2.7	30
6	Analysis of the Safety of Functioning Gas Pipelines in Terms of the Occurrence of Failures. <i>Energies</i> , 2019, 12, 3228.	3.1	21
7	Analysis of the gas network failure and failure prediction using the Monte Carlo simulation method. <i>Eksploatacja i Niezawodność</i> , 2016, 18, 254-259.	2.0	21
8	Approaches for Safety Analysis of Gas-Pipeline Functionality in Terms of Failure Occurrence: A Case Study. <i>Energies</i> , 2018, 11, 1589.	3.1	20
9	A Hazard Assessment Method for Waterworks Systems Operating in Self-Government Units. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 767.	2.6	20
10	An Approach to Estimating Water Quality Changes in Water Distribution Systems Using Fault Tree Analysis. <i>Resources</i> , 2019, 8, 162.	3.5	16
11	The ability to remove the priority PAHs from water during coagulation process including risk assessment. <i>Desalination and Water Treatment</i> , 2016, 57, 1297-1309.	1.0	15
12	Approaches to Assess Water Distribution Failure. <i>Periodica Polytechnica: Civil Engineering</i> , 2017, , .	0.6	15
13	Method for Assessment of Water Supply Diversification. <i>Resources</i> , 2020, 9, 87.	3.5	12
14	Assessing the Costs of Losses Incurred as a Result of Failure. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 355-362.	0.6	12
15	Analysis of chemical stability of tap water in terms of required level of technological safety. <i>Archives of Environmental Protection</i> , 2017, 43, 3-12.	1.1	11
16	A new concept for risk analysis relating to the degradation of water reservoirs. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25591-25599.	5.3	11
17	Safety analysis of the wastewater treatment process in the field of organic pollutants including PAHs. , 0, 72, 146-155.		11
18	Water Network-Failure Data Assessment. <i>Energies</i> , 2020, 13, 2990.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Method of identification of operational states of water supply system. , 2010, , 521-526.		8
20	Reliability-Oriented Design of a Solar-PV Deployments. Energies, 2021, 14, 6535.	3.1	8
21	Functional Safety Concept to Support Hazard Assessment and Risk Management in Water-Supply Systems. Energies, 2021, 14, 947.	3.1	7
22	Risk Assessment of Water Intakes in South-Eastern Poland in Relation to the WHO Requirements for Water Safety Plans. Resources, 2021, 10, 105.	3.5	7
23	The Possible Use of the FMEA Method to Ensure Health Safety of Municipal Water. Journal of KONBiN, 2010, 14-15, 143-154.	0.4	6
24	Biostability of Tap Water – A Qualitative Analysis of Health Risk in the Example of Groundwater Treatment (Semi-Technical Scale). Water (Switzerland), 2018, 10, 1764.	2.7	6
25	An Approach to Analysing Water Consumers – Acceptance of Risk-Reduction Costs. Resources, 2020, 9, 132.	3.5	6
26	Methods of Reliability Index Determination Concerning Municipal Water Quality. Journal of KONBiN, 2008, 5, .	0.4	4
27	A Case Study in View of Developing Predictive Models for Water Supply System Management. Energies, 2021, 14, 3305.	3.1	4
28	Weather Risk Assessment for Collective Water Supply and Sewerage Systems. Water (Switzerland), 2021, 13, 1970.	2.7	4
29	Safety Analysis of Tap Water Biostability. Architecture Civil Engineering Environment, 2018, 11, 149-154.	0.6	4
30	DYE RECOVERY BY LOW PRESSURE ULTRAFILTRATION. Chemical Engineering Communications, 1982, 19, 67-75.	2.6	2
31	Contribution to Diffusion Processes Application in the Area of Critical Infrastructure Security Assessment. Applied Mechanics and Materials, 0, 436, 539-548.	0.2	2
32	Simulation Model of Contamination Threat Assessment in Water Network Using the Epanet Software. Ecological Chemistry and Engineering S, 2016, 23, 425-433.	1.5	2
33	Assessment of Corrosion Properties of Selected Mineral Waters. Coatings, 2020, 10, 571.	2.6	2
34	The Issue Of Water Resources Diversification In Water Supply Systems. Journal of KONBiN, 2015, 35, 157-168.	0.4	2
35	Spatial Analysis of Water Infrastructure Development On Example of Eastern Europe Rural Regions. IOP Conference Series: Earth and Environmental Science, 2016, 44, 022032.	0.3	1
36	Cost Analysis of Water Pipe Failure. Advances in Intelligent Systems and Computing, 2020, , 411-424.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Emergency Water Supply of Rzeszow / Kryzysowe Zaopatrzenie Rzeszowa W WodÄ™. Journal of KONBiN, 2013, 25, 107-116.	0.4	1
38	A Grey-System Theory Approach to Assess the Safety of Gas-Supply Systems. Energies, 2022, 15, 4240.	3.1	1