

# Barbara Tomaszewska

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

1,379  
citations

331259

21  
h-index

360668

35  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovative desalination of geothermal wastewater supported by electricity generated from low-enthalpy geothermal resources. <i>Desalination</i> , 2022, 524, 115450.	4.0	15
2	Geological and environmental implications of the utilisation of geothermal energy in the Lahendong working area, Indonesia. <i>Geology Geophysics and Environment</i> , 2022, 48, 69-82.	0.1	0
3	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 1727-1865.	6.6	70
4	Assessment of different nanofiltration and reverse osmosis membranes for simultaneous removal of arsenic and boron from spent geothermal water. <i>Journal of Hazardous Materials</i> , 2021, 405, 124129.	6.5	36
5	Power Plant Open Cooling System in the Context of the Objectives of the Water Framework Directive. <i>Springer Water</i> , 2021, , 395-416.	0.2	0
6	The Development of the Temperature Disturbance Zone in the Surrounding of a Salt Cavern Caused by the Leaching Process for Safety Hydrogen Storage. <i>Energies</i> , 2021, 14, 803.	1.6	5
7	Prospects of Using Hydrocarbon Deposits from the Autochthonous Miocene Formation (Eastern Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 3	1.6	3
8	State-of-the-art of renewable energy sources used in water desalination: Present and future prospects. <i>Desalination</i> , 2021, 508, 115035.	4.0	164
9	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. <i>Science of the Total Environment</i> , 2021, 780, 146274.	3.9	97
10	Utilization of renewable energy sources in desalination of geothermal water for agriculture. <i>Desalination</i> , 2021, 513, 115151.	4.0	46
11	Desalination of geothermal wastewaters by membrane processes: Strategies for environmentally friendly use of retentate streams. <i>Desalination</i> , 2021, 520, 115330.	4.0	11
12	Multi-Criteria Studies and Assessment Supporting the Selection of Locations and Technologies Used in CO <sub>2</sub> -EGS Systems. <i>Energies</i> , 2021, 14, 7683.	1.6	6
13	What should be included in education programmes – The socio-education analysis for sustainable management of natural resources. <i>Journal of Cleaner Production</i> , 2020, 250, 119556.	4.6	15
14	Low Enthalpy Geothermal Resources for Local Sustainable Development: A Case Study in Poland. <i>Energies</i> , 2020, 13, 5010.	1.6	4
15	Physicochemical Composition Variability and Hydraulic Conditions in a Geothermal Borehole – The Latest Study in Podhale Basin, Poland. <i>Energies</i> , 2020, 13, 3882.	1.6	4
16	Assessment of the Lower Carboniferous-Devonian Aquifer as a Source of Geothermal Energy in the Silesian – Kraków Region (Poland). <i>Energies</i> , 2020, 13, 6694.	1.6	1
17	Geothermal Water Management Using the Example of the Polish Lowland (Poland) – Key Aspects Related to Co-Management of Drinking and Geothermal Water. <i>Energies</i> , 2020, 13, 2412.	1.6	1
18	Sustainable Utilization of Low Enthalpy Geothermal Resources to Electricity Generation through a Cascade System. <i>Energies</i> , 2020, 13, 2495.	1.6	29

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19	Use of low-enthalpy and waste geothermal energy sources to solve arsenic problems in freshwater production in selected regions of Latin America using a process membrane distillation – Research into model solutions. <i>Science of the Total Environment</i> , 2020, 714, 136853.	3.9	58
20	The assessing of the quality of geothermal reservoirs on the example of the Lower Triassic aquifer in the Mogilno-Å³dÅ° Trough (Polish Lowlands). <i>E3S Web of Conferences</i> , 2020, 154, 05001.	0.2	1
21	Initial recognition of the possibilities of use abandoned oil and gas wells to desalinate produced water. <i>E3S Web of Conferences</i> , 2020, 154, 05002.	0.2	1
22	Individual heat generation to sustainable development in local scale. <i>E3S Web of Conferences</i> , 2020, 154, 07007.	0.2	0
23	The Potential of RES in the Reduction of Air Pollution: The SWOT Analysis of Smart Energy Management Solutions for Krakow Functional Area (KrOF). <i>Energies</i> , 2020, 13, 1754.	1.6	11
24	Review of the Low-Enthalpy Lower Cretaceous Geothermal Energy Resources in Poland as an Environmentally Friendly Source of Heat for Urban District Heating Systems. <i>Energies</i> , 2020, 13, 1302.	1.6	16
25	The Utilization of Abandoned Petroleum Wells in Geothermal Energy Sector. <i>Worldwide Trends and Experience. E3S Web of Conferences</i> , 2020, 154, 05004.	0.2	4
26	Investigation of use small wind turbines under local wind conditions in Rabka-ZdrÅ³j. <i>E3S Web of Conferences</i> , 2020, 154, 06005.	0.2	0
27	Geological and Thermodynamic Analysis of Low Enthalpy Geothermal Resources to Electricity Generation Using ORC and Kalina Cycle Technology. <i>Energies</i> , 2020, 13, 1335.	1.6	19
28	Energetic and Environmental Aspects of Individual Heat Generation for Sustainable Development at a Local Scale – A Case Study from Poland. <i>Energies</i> , 2020, 13, 454.	1.6	40
29	BPA – an endocrine disrupting compound in water used for drinking purposes, a snapshot from South Poland. <i>Geology Geophysics and Environment</i> , 2020, 46, 5.	0.1	5
30	Perspectives on the use of geothermal heat pump systems to reduce low emitted air pollutants in the health resort areas. <i>E3S Web of Conferences</i> , 2019, 116, 00087.	0.2	1
31	Preliminary assessment of the wind conditions as a potential for using wind micro-installation to improve air quality in Poland. <i>E3S Web of Conferences</i> , 2019, 86, 00031.	0.2	1
32	Development of the Polish geothermal sector in the light of current possibilities of financial support for a geothermal investment. <i>E3S Web of Conferences</i> , 2019, 86, 00034.	0.2	2
33	Mineral and Bottled Water as Natural Beverages. , 2019, , 1-38.		1
34	The quality of geothermal reservoir of the Lower Jurassic aquifer in the Mogilno-Å³dÅ° Trough (Polish) <i>TJ ETQq0 0 0 rgBT /Overlock 10 T</i>	0.2	1
35	Methodological aspects of pH and EC measurements in geothermal water. <i>Bulletin of Geography, Physical Geography Series</i> , 2019, 17, 39-47.	0.3	5
36	Lithium capturing from geothermal water by hybrid capacitive deionization. <i>Desalination</i> , 2018, 436, 8-14.	4.0	79

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37	Low-enthalpy geothermal energy as a source of energy and integrated freshwater production in inland areas: Technological and economic feasibility. <i>Desalination</i> , 2018, 435, 35-44.	4.0	26
38	The availability of groundwater information sources in relation to the transposition of the WFD into Polish law. Project KINDRA. <i>Thermal Science and Engineering Progress</i> , 2018, 5, 437-443.	1.3	3
39	Use of numerical modelling in the prediction of membrane scaling. Reaction between antiscalants and feedwater. <i>Desalination</i> , 2018, 427, 27-34.	4.0	20
40	Study on national activities and funding opportunities of furthering education programs for unemployed academics. <i>E3S Web of Conferences</i> , 2018, 66, 03004.	0.2	3
41	Implementation of the Air Quality Plan guidelines for the Malopolska Region based on the example of the health resort Rabka ZdrĄj. <i>E3S Web of Conferences</i> , 2018, 44, 00176.	0.2	0
42	European educational concept in environmental nature- and climate protection to safeguard a cross border sustainable development. <i>E3S Web of Conferences</i> , 2018, 66, 03005.	0.2	3
43	Stability assessment of the chemical composition of the water used to supply the circuits in selected power plants of TAURON Group. <i>E3S Web of Conferences</i> , 2018, 44, 00064.	0.2	0
44	The comparison of environmental flow assessment - The barrier for investment in Poland or river protection?. <i>Journal of Cleaner Production</i> , 2018, 193, 575-592.	4.6	41
45	Investigations of the possibility of lithium acquisition from geothermal water using natural and synthetic zeolites applying poly(acrylic acid). <i>Journal of Cleaner Production</i> , 2018, 195, 821-830.	4.6	44
46	Selected technical aspects of well construction for geothermal energy utilization in Poland. <i>Contemporary Trends in Geoscience</i> , 2018, 7, 188-199.	0.5	2
47	Concept for energy harvesting from the salinity gradient on the basis of geothermal water. <i>WEENTECH Proceedings in Energy</i> , 2018, 4, 88-96.	0.0	3
48	Sustainable Energy: Human Factors in Geothermal Water Resource Management. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 60-71.	0.5	0
49	Integration of nanofiltration and reverse osmosis in desalination of mine water. , 2018, 128, 96-105.		1
50	ANALYSIS OF HYDROGEOLOGICAL CONDITIONS SUPPORTED BY A MATHEMATICAL MODELING AS THE BASIC STAGE OF INVESTMENT PROJECTS IN GEOTHERMY FIELD. <i>Biuletyn - Panstwowego Instytutu Geologicznego</i> , 2018, 471, 179-184.	0.1	0
51	Groundwater circulation in the Miechów Trough and the central part of the Carpathian Foredeep (Poland): a hydrogeological conceptual model. <i>Geologos</i> , 2018, 24, 177-187.	0.2	0
52	Renewable energy in education for sustainable development. The Polish experience. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 92-97.	8.2	45
53	Assessment of the influence of temperature and pressure on the prediction of the precipitation of minerals during the desalination process. <i>Desalination</i> , 2017, 424, 102-109.	4.0	10
54	Nanofiltration renovation of mineral water. <i>Archives of Environmental Protection</i> , 2017, 43, 51-59.	1.1	3

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55	The influence of selected factors on the effectiveness of pre-treatment of geothermal water during the nanofiltration process. <i>Desalination</i> , 2017, 406, 74-82.	4.0	32
56	The Quaternary groundwater as the low temperature energy source for heat pumps in Małopolska Province. <i>E3S Web of Conferences</i> , 2017, 22, 00082.	0.2	0
57	Environmental aspects of the geothermal energy utilisation in Poland. <i>E3S Web of Conferences</i> , 2017, 22, 00164.	0.2	2
58	Comparison of the availability of groundwater information sources in Poland with other European countries. Knowledge inventory for hydrogeology research – project KINDRA. <i>E3S Web of Conferences</i> , 2017, 22, 00178.	0.2	2
59	EIGR – knowledge base as a tool facilitating the management of groundwater resources in Europe. <i>Gospodarka Surowcami Mineralnymi / Mineral Resources Management</i> , 2017, 33, 79-92.	0.2	1
60	THE MINERALOGICAL AND PETROGRAPHIC CHARACTERISTICS OF THE MOST PROMISING HYDROGEO THERMAL RESERVOIR IN POLAND – THE PODHALE GEOTHERMAL SYSTEM. , 2017, , .		0
61	Selected problems with boron determination in water treatment processes. Part I: comparison of the reference methods for ICP-MS and ICP-OES determinations. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11658-11667.	2.7	33
62	Assessing medicinal qualities of groundwater from the Busko-Zdrój area (Poland) using the probabilistic method. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	11
63	The Podhale geothermal reservoir simulation for long-term sustainable production. <i>Renewable Energy</i> , 2016, 99, 420-430.	4.3	39
64	Evaluating the stability of iodine in bottled mineral waters. <i>Journal of Geochemical Exploration</i> , 2016, 168, 20-25.	1.5	2
65	The review of Polish formal and legal aspects related to hydropower plants. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18953-18959.	2.7	8
66	Numerical modelling in research on geothermal systems. <i>Bulletin of Geography, Physical Geography Series</i> , 2015, 9, 39-44.	0.3	7
67	Modelling geothermal conditions in part of the Szczecin Trough – the Chociwel area. <i>Geologos</i> , 2015, 21, 187-196.	0.2	19
68	Prospects of geothermal water Use in cultivation of <i>Spirulina</i> . <i>Open Chemistry</i> , 2015, 13, .	1.0	9
69	Possibilities for the efficient utilisation of spent geothermal waters. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11409-11417.	2.7	43
70	Application of a Hybrid Uf-Ro Process to Geothermal Water Desalination. Concentrate Disposal and Cost Analysis. <i>Archives of Environmental Protection</i> , 2014, 40, 137-151.	1.1	16
71	Desalination of geothermal waters using a hybrid UF-RO process. Part I: Boron removal in pilot-scale tests. <i>Desalination</i> , 2013, 319, 99-106.	4.0	57
72	Desalination of geothermal waters using a hybrid UF-RO process. Part II: Membrane scaling after pilot-scale tests. <i>Desalination</i> , 2013, 319, 107-114.	4.0	34

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73	The removal of radionuclides during desalination of geothermal waters containing boron using the BWRO system. Desalination, 2013, 309, 284-290.	4.0	34
74	Cooled and desalinated thermal water utilization in the Podhale heating system. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2013, 29, 127-139.	0.2	4
75	Geothermal Water Resources Management â€œ Economic Aspects Of Their Treatment / Gospodarka Zasobami WÃ³d Termalnych - Ekonomiczne Aspekty Ich Uzdatniania. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2012, 28, 59-70.	0.2	11
76	Dynamics of clogging processes in injection wells used to pump highly mineralized thermal waters into the sandstone structures lying under the polish lowlands. Archives of Environmental Protection, 2012, 38, 105-117.	1.1	21
77	Boron removal from geothermal water using DOW chemical high separation BWRO membrane. Desalination and Water Treatment, 0, , 1-8.	1.0	2
78	Energy and environmental analysis of disposing of concentrate by injecting it back into the deep geological formation. , 0, 69, 316-321.		6
79	Geothermal water treatment. Membrane selection for the RO process. , 0, 64, 292-297.		5
80	Process of geothermal water treatment by reverse osmosis. The research with antiscalants. , 0, 73, 1-10.		4
81	Implementation of QA/QC program in research related to the membrane processes used in geothermal water treatment. , 0, 73, 339-347.		2
82	Zero-waste initiatives â€œ waste geothermal water as a source of medicinal raw material and drinking water. , 0, 112, 12-18.		9
83	The evaluation of the effectiveness of lithium separation by hybrid capacitive deionization from geothermal water with the uncertainty measurement application. , 0, 128, 259-264.		10
84	Research on improving the composition of mineral water using nanofiltration. , 0, 64, 287-291.		0
85	Nanofiltration enhancing the mine water treatment. , 0, 128, 372-382.		0