Barbara Tomaszewska

List of Publications by Year
in descending order

85	1,379	331259 21	360668 35
papers	citations	h-index	g-index

85	85	85	1015
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State-of-the-art of renewable energy sources used in water desalination: Present and future prospects. Desalination, 2021, 508, 115035.	4.0	164
2	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. Science of the Total Environment, 2021, 780, 146274.	3.9	97
3	Lithium capturing from geothermal water by hybrid capacitive deionization. Desalination, 2018, 436, 8-14.	4.0	79
4	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. Critical Reviews in Environmental Science and Technology, 2021, 51, 1727-1865.	6.6	70
5	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 â€“ Research into model solutions. Science of the Total Environment, 2020, 714, 136853.	3.9	58
6	Desalination of geothermal waters using a hybrid UF-RO process. Part I: Boron removal in pilot-scale tests. Desalination, 2013, 319, 99-106.	4.0	57
7	Utilization of renewable energy sources in desalination of geothermal water for agriculture. Desalination, 2021, 513, 115151.	4.0	46
8	Renewable energy in education for sustainable development. The Polish experience. Renewable and Sustainable Energy Reviews, 2017, 80, 92-97.	8.2	45
9	Investigations of the possibility of lithium acquisition from geothermal water using natural and synthetic zeolites applying poly(acrylic acid). Journal of Cleaner Production, 2018, 195, 821-830.	4.6	44
10	Possibilities for the efficient utilisation of spent geothermal waters. Environmental Science and Pollution Research, 2014, 21, 11409-11417.	2.7	43
11	The comparison of environmental flow assessment - The barrier for investment in Poland or river protection?. Journal of Cleaner Production, 2018, 193, 575-592.	4.6	41
12	Energetic and Environmental Aspects of Individual Heat Generation for Sustainable Development at a Local Scaleâ€”A Case Study from Poland. Energies, 2020, 13, 454.	1.6	40
13	The Podhale geothermal reservoir simulation for long-term sustainable production. Renewable Energy, 2016, 99, 420-430.	4.3	39
14	Assessment of different nanofiltration and reverse osmosis membranes for simultaneous removal of arsenic and boron from spent geothermal water. Journal of Hazardous Materials, 2021, 405, 124129.	6.5	36
15	Desalination of geothermal waters using a hybrid UF-RO process. Part II: Membrane scaling after pilot-scale tests. Desalination, 2013, 319, 107-114.	4.0	34
16	The removal of radionuclides during desalination of geothermal waters containing boron using the BWRO system. Desalination, 2013, 309, 284-290.	4.0	34
17	Selected problems with boron determination in water treatment processes. Part I: comparison of the reference methods for ICP-MS and ICP-OES determinations. Environmental Science and Pollution Research, 2016, 23, 11658-11667.	2.7	33
18	The influence of selected factors on the effectiveness of pre-treatment of geothermal water during the nanofiltration process. Desalination, 2017, 406, 74-82.	4.0	32

#	Article	IF	Citations
19	Sustainable Utilization of Low Enthalpy Geothermal Resources to Electricity Generation through a Cascade System. Energies, 2020, 13, 2495.	1.6	29
20	Low-enthalpy geothermal energy as a source of energy and integrated freshwater production in inland areas: Technological and economic feasibility. Desalination, 2018, 435, 35-44.	4.0	26
21	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
22	Use of numerical modelling in the prediction of membrane scaling. Reaction between antiscalants and feedwater. Desalination, 2018, 427, 27-34.	4.0	20
23	Modelling geothermal conditions in part of the Szczecin Trough â€“ the Chociwel area. Geologos, 2015, 21, 187-196.	0.2	19
24	Geological and Thermodynamic Analysis of Low Enthalpy Geothermal Resources to Electricity Generation Using ORC and Kalina Cycle Technology. Energies, 2020, 13, 1335.	1.6	19
25	Application of a Hybrid Uf-Ro Process to Geothermal Water Desalination. Concentrate Disposal and Cost Analysis. Archives of Environmental Protection, 2014, 40, 137-151.	1.1	16
26	Review of the Low-Enthalpy Lower Cretaceous Geothermal Energy Resources in Poland as an Environmentally Friendly Source of Heat for Urban District Heating Systems. Energies, 2020, 13, 1302.	1.6	16
27	What should be included in education programmes â€“ The socio-education analysis for sustainable management of natural resources. Journal of Cleaner Production, 2020, 250, 119556.	4.6	15
28	Innovative desalination of geothermal wastewater supported by electricity generated from low-enthalpy geothermal resources. Desalination, 2022, 524, 115450.	4.0	15
29	Geothermal Water Resources Management â€“ 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
30	Assessing medicinal qualities of groundwater from the Busko-ZdrÃ³j area (Poland) using the probabilistic method. Environmental Earth Sciences, 2016, 75, 1.	1.3	11
31	The Potential of RES in the Reduction of Air Pollution: The SWOT Analysis of Smart Energy Management Solutions for Krakow Functional Area (KrOF). Energies, 2020, 13, 1754.	1.6	11
32	Desalination of geothermal wastewaters by membrane processes: Strategies for environmentally friendly use of retentate streams. Desalination, 2021, 520, 115330.	4.0	11
33	Assessment of the influence of temperature and pressure on the prediction of the precipitation of minerals during the desalination process. Desalination, 2017, 424, 102-109.	4.0	10
34	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
35	Prospects of geothermal water Use in cultivation of Spirulina. Open Chemistry, 2015, 13, .	1.0	9
36	Zero-waste initiatives â€“ waste geothermal water as a source of medicinal raw material and drinking water. , 0, 112, 12-18.		9

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37	The review of Polish formal and legal aspects related to hydropower plants. Environmental Science and Pollution Research, 2016, 23, 18953-18959.	2.7	8
38	Numerical modelling in research on geothermal systems. Bulletin of Geography, Physical Geography Series, 2015, 9, 39-44.	0.3	7
39	Energy and environmental analysis of disposing of concentrate by injecting it back into the deep geological formation. , 0, 69, 316-321.		6
40	Multi-Criteria Studies and Assessment Supporting the Selection of Locations and Technologies Used in CO2-EGS Systems. Energies, 2021, 14, 7683.	1.6	6
41	The Development of the Temperature Disturbance Zone in the Surrounding of a Salt Cavern Caused by the Leaching Process for Safety Hydrogen Storage. Energies, 2021, 14, 803.	1.6	5
42	Methodological aspects of pH and EC measurements in geothermal water. Bulletin of Geography, Physical Geography Series, 2019, 17, 39-47.	0.3	5
43	Geothermal water treatment. Membrane selection for the RO process. , 0, 64, 292-297.		5
44	BPA â€“ an endocrine disrupting compound in water used for drinking purposes,a snapshot from South Poland. Geology Geophysics and Environment, 2020, 46, 5.	0.1	5
45	Low Enthalpy Geothermal Resources for Local Sustainable Development: A Case Study in Poland. Energies, 2020, 13, 5010.	1.6	4
46	Physicochemical Composition Variability and Hydraulic Conditions in a Geothermal Boreholeâ€”The Latest Study in Podhale Basin, Poland. Energies, 2020, 13, 3882.	1.6	4
47	The Utilization of Abandoned Petroleum Wells in Geothermal Energy Sector. Worldwide Trends and Experience. E3S Web of Conferences, 2020, 154, 05004.	0.2	4
48	Cooled and desalinated thermal water utilization in the Podhale heating system. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2013, 29, 127-139.	0.2	4
49	Process of geothermal water treatment by reverse osmosis. The research with antiscalants. , 0, 73, 1-10.		4
50	Nanofiltration renovation of mineral water. Archives of Environmental Protection, 2017, 43, 51-59.	1.1	3
51	The availability of groundwater information sources in relation to the transposition of the WFD into Polish law. Project KINDRA. Thermal Science and Engineering Progress, 2018, 5, 437-443.	1.3	3
52	Study on national activities and funding opportunities of furthering education programs for unemployed academics. E3S Web of Conferences, 2018, 66, 03004.	0.2	3
53	European educational concept in environmentalnature- and climate protection to safeguard a cross border sustainable development. E3S Web of Conferences, 2018, 66, 03005.	0.2	3
54	Prospects of Using Hydrocarbon Deposits from the Autochthonous Miocene Formation (Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.6	3

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55	Concept for energy harvesting from the salinity gradient on the basis of geothermal water. WEENTECH Proceedings in Energy, 2018, 4, 88-96.	0.0	3
56	Boron removal from geothermal water using DOW chemical high separation BWRO membrane. Desalination and Water Treatment, 0, , 1-8.	1.0	2
57	Evaluating the stability of iodine in bottled mineral waters. Journal of Geochemical Exploration, 2016, 168, 20-25.	1.5	2
58	Environmental aspects of the geothermal energy utilisation in Poland. E3S Web of Conferences, 2017, 22, 00164.	0.2	2
59	Comparison of the availability of groundwater information sources in Poland with other European countries. Knowledge inventory for hydrogeology research â€“ project KINDRA. E3S Web of Conferences, 2017, 22, 00178.	0.2	2
60	Development of the Polish geothermal sector in the light of current possibilities of financial support for a geothermal investment. E3S Web of Conferences, 2019, 86, 00034.	0.2	2
61	Selected technical aspects of well construction for geothermal energy utilization in Poland. Contemporary Trends in Geoscience, 2018, 7, 188-199.	0.5	2
62	Implementation of QA/QC program in research related to the membrane processes used in geothermal water treatment. , 0, 73, 339-347.		2
63	Perspectives on the use of geothermal heat pump systems to reduce low emitted air pollutants in the health resort areas. E3S Web of Conferences, 2019, 116, 00087.	0.2	1
64	Preliminary assessment of the wind conditions as a potential for using wind micro-installation to improve air quality in Poland. E3S Web of Conferences, 2019, 86, 00031.	0.2	1
65	Mineral and Bottled Water as Natural Beverages. , 2019, , 1-38.		1
66	The quality of geothermal reservoir of the Lower Jurassic aquifer in the Mogilno-ÅÃ³dÅº Trough (Polish) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	1
67	Assessment of the Lower Carboniferous-Devonian Aquifer as a Source of Geothermal Energy in the Silesianâ€“KrakÃ³w Region (Poland). Energies, 2020, 13, 6694.	1.6	1
68	Geothermal Water Management Using the Example of the Polish Lowland (Poland)â€”Key Aspects Related to Co-Management of Drinking and Geothermal Water. Energies, 2020, 13, 2412.	1.6	1
69	The assessing of the quality of geothermal reservoirs on the example of the Lower Triassic aquifer in the Mogilno-ÅÃ³dÅº Trough (Polish Lowlands). E3S Web of Conferences, 2020, 154, 05001.	0.2	1
70	Initial recognition of the possibilities of use abandoned oil and gas wells to desalinate produced water. E3S Web of Conferences, 2020, 154, 05002.	0.2	1
71	EIGR â€“ knowledge base as a tool facilitating the management of groundwater resources in Europe. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2017, 33, 79-92.	0.2	1
72	Integration of nanofiltratlon and reverse osmosis in desalination of mine water. , 2018, 128, 96-105.		1

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73	The Quaternary groundwater as the low temperature energy source for heat pumps in MaÅ‚opolska Province. E3S Web of Conferences, 2017, 22, 00082.	0.2	0
74	Implementation of the Air Quality Plan guidelines for the Malopolska Region based on the example of the health resort Rabka ZdrÃ³j. E3S Web of Conferences, 2018, 44, 00176.	0.2	0
75	Stability assessment of the chemical composition of the water used to supply the circuits in selected power plants of TAURON Group. E3S Web of Conferences, 2018, 44, 00064.	0.2	0
76	Individual heat generation to sustainable development in local scale. E3S Web of Conferences, 2020, 154, 07007.	0.2	0
77	Investigation of use small wind turbines under local wind conditions in Rabka-ZdrÃ³j. E3S Web of Conferences, 2020, 154, 06005.	0.2	0
78	Power Plant Open Cooling System in the Context of the Objectives of the Water Framework Directive. Springer Water, 2021, , 395-416.	0.2	0
79	Research on improving the composition of mineral water using nanofiltration. , 0, 64, 287-291.		0
80	THE MINERALOGICAL AND PETROGRAPHIC CHARACTERISTICS OF THE MOST PROMISING HYDROGEOTHERMAL RESERVOIR IN POLAND ï¿½ THE PODHALE GEOTHERMAL SYSTEM. , 2017, , .		0
81	Sustainable Energy: Human Factors in Geothermal Water Resource Management. Advances in Intelligent Systems and Computing, 2018, , 60-71.	0.5	0
82	Nanofiltration enhancing the mine water treatment. , 0, 128, 372-382.		0
83	ANALYSIS OF HYDROGEOLOGICAL CONDITIONS SUPPORTED BY A MATHEMATICAL MODELING AS THE BASIC STAGE OF INVESTMENT PROJECTS IN GEOTHERMY FIELD. Biuletyn - Panstwowego Instytutu Geologicznego, 2018, 471, 179-184.	0.1	0
84	Groundwater circulation in the MiechÃ³w Trough and the central part of the Carpathian Foredeep (Poland): a hydrogeological conceptual model. Geologos, 2018, 24, 177-187.	0.2	0
85	Geological and environmental implications of the utilisation of geothermal energy in the Lahendong working area, Indonesia. Geology Geophysics and Environment, 2022, 48, 69-82.	0.1	0