

Przemyslaw Wachniew

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

1,250
citations

18
h-index

32
g-index

32
ext. papers

1,469
ext. citations

4.9
avg, IF

3.94
L-index

#	Paper	IF	Citations
29	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1141-1158	3.5	259
28	Groundwater dependent ecosystems. Part I: Hydroecological status and trends. <i>Environmental Science and Policy</i> , 2011 , 14, 770-781	6.2	163
27	Emission of the greenhouse gases nitrous oxide and methane from constructed wetlands in Europe. <i>Journal of Environmental Quality</i> , 2006 , 35, 2360-73	3.4	115
26	Natural radioactivity in groundwater—a review. <i>Isotopes in Environmental and Health Studies</i> , 2011 , 47, 415-37	1.5	80
25	Carbon budget of a mid-latitude, groundwater-controlled lake: Isotopic evidence for the importance of dissolved inorganic carbon recycling. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 2453-2465	5.5	78
24	Isotopic composition of dissolved inorganic carbon in a large polluted river: The Vistula, Poland. <i>Chemical Geology</i> , 2006 , 233, 293-308	4.2	66
23	Study of hydraulic parameters in heterogeneous gravel beds: Constructed wetland in Nowa Słupia (Poland). <i>Journal of Hydrology</i> , 2006 , 331, 630-642	6	54
22	Toward operational methods for the assessment of intrinsic groundwater vulnerability: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016 , 46, 827-884	11.1	53
21	Groundwater Pollution and Quality Monitoring Approaches at the European Level. <i>Critical Reviews in Environmental Science and Technology</i> , 2013 , 43, 323-408	11.1	44
20	Reach scale and evaluation methods as limitations for transient storage properties in streams and rivers. <i>Water Resources Research</i> , 2007 , 43,	5.4	38
19	Review and assessment of nitrate reduction in groundwater in the Baltic Sea Basin. <i>Journal of Hydrology: Regional Studies</i> , 2017 , 12, 50-68	3.6	33
18	Sources and vertical distribution of ¹³⁷ Cs, ²³⁸ Pu, ²³⁹⁺²⁴⁰ Pu and ²⁴¹ Am in peat profiles from southwest Spitsbergen. <i>Applied Geochemistry</i> , 2013 , 28, 100-108	3.5	33
17	Oxygen-isotope geothermometers in lacustrine sediments: New insights through combined ¹⁸ O analyses of aquatic cellulose, authigenic calcite and biogenic silica in Lake Gołębiewski, central Poland. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 2957-2969	5.5	28
16	Characterisation of ²¹⁰ Pb dated peat core by various X-ray fluorescence techniques. <i>Science of the Total Environment</i> , 1998 , 218, 239-248	10.2	27
15	High-Resolution Age-Depth Model of a Peat Bog in Poland as an Important Basis for Paleoenvironmental Studies. <i>Radiocarbon</i> , 2014 , 56, 109-125	4.6	24
14	Simultaneous Use of Trace Metals, ²¹⁰ Pb and ¹³⁷ Cs in Floodplain Sediments of a Lowland River as Indicators of Anthropogenic Impacts. <i>Water, Air, and Soil Pollution</i> , 2010 , 207, 57-71	2.6	23
13	Nitrate leaching losses from two Baltic Sea catchments under scenarios of changes in land use, land management and climate. <i>Ambio</i> , 2019 , 48, 1252-1263	6.5	20

12	Sources and pathways of artificial radionuclides to soils at a High Arctic site. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12479-93	5.1	18
11	Spatially differentiated regulation: Can it save the Baltic Sea from excessive N-loads?. <i>Ambio</i> , 2019 , 48, 1278-1289	6.5	16
10	Airborne radionuclides in the proglacial environment as indicators of sources and transfers of soil material. <i>Journal of Environmental Radioactivity</i> , 2017 , 178-179, 193-202	2.4	14
9	Does groundwater protection in Europe require new EU-wide environmental quality standards?. <i>Frontiers in Chemistry</i> , 2014 , 2, 32	5	14
8	A decision tree tool supporting the assessment of groundwater vulnerability. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	14
7	Quantification of anthropogenic impact on groundwater-dependent terrestrial ecosystem using geochemical and isotope tools combined with 3-D flow and transport modelling. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 1015-1033	5.5	11
6	Monte Carlo validation of the self-attenuation correction determination with the Cutshall transmission method in ^{210}Pb measurements by gamma-spectrometry. <i>Applied Radiation and Isotopes</i> , 2014 , 87, 387-9	1.7	10
5	An operational methodology for determining relevant DRASTIC factors and their relative weights in the assessment of aquifer vulnerability to contamination. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	5
4	Urban CO2 Budget: Spatial and Seasonal Variability of CO2 Emissions in Krakow, Poland. <i>Atmosphere</i> , 2020 , 11, 629	2.7	4
3	Determination of the self-attenuation based on the sample composition in gamma-ray spectrometry of Pb: requirements for the scope of chemical analyses. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 311, 1511-1516	1.5	4
2	Unveiling the extreme environmental radioactivity of cryoconite from a Norwegian glacier.. <i>Science of the Total Environment</i> , 2021 , 814, 152656	10.2	2
1	Phosphorus Transport in a Lowland Stream Derived from a Tracer Test with ^{32}P . <i>Water (Switzerland)</i> , 2021 , 13, 1030	3	0