

Edyta Aokas

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

952
citations

394421

19
h-index

454955

30
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45
all docs

45
docs citations

45
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	Strontium-90 activity concentration in soil samples from the exclusion zone of the Fukushima daiichi nuclear power plant. <i>Scientific Reports</i> , 2016, 6, 23925.	3.3	88
2	Long-term hydrological dynamics and fire history over the last 2000 years in CE Europe reconstructed from a high-resolution peat archive. <i>Quaternary Science Reviews</i> , 2015, 112, 138-152.	3.0	82
3	Accumulation of atmospheric radionuclides and heavy metals in cryoconite holes on an Arctic glacier. <i>Chemosphere</i> , 2016, 160, 162-172.	8.2	82
4	Downward migration of Chernobyl-derived radionuclides in soils in Poland and Sweden. <i>Applied Geochemistry</i> , 2011, 26, 105-115.	3.0	53
5	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.	3.0	39
6	A hole in the nematosphere: tardigrades and rotifers dominate the cryoconite hole environment, whereas nematodes are missing. <i>Journal of Zoology</i> , 2021, 313, 18-36.	1.7	36
7	The sources of high airborne radioactivity in cryoconite holes from the Caucasus (Georgia). <i>Scientific Reports</i> , 2018, 8, 10802.	3.3	34
8	Automation of sample processing for ICP-MS determination of ⁹⁰ Sr radionuclide at ppq level for nuclear technology and environmental purposes. <i>Talanta</i> , 2017, 169, 216-226.	5.5	33
9	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.	1.8	32
10	Always on the tipping point – A search for signals of past societies and related peatland ecosystem critical transitions during the last 6500 years in N Poland. <i>Quaternary Science Reviews</i> , 2019, 225, 105954.	3.0	32
11	Cryoconite: an efficient accumulator of radioactive fallout in glacial environments. <i>Cryosphere</i> , 2020, 14, 657-672.	3.9	32
12	Sources and pathways of artificial radionuclides to soils at a High Arctic site. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12479-12493.	5.3	31
13	Cryoconite – From minerals and organic matter to bioengineered sediments on glacier's surfaces. <i>Science of the Total Environment</i> , 2022, 807, 150874.	8.0	29
14	Airborne radionuclides and heavy metals in high Arctic terrestrial environment as the indicators of sources and transfers of contamination. <i>Cryosphere</i> , 2019, 13, 2075-2086.	3.9	28
15	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.	2.4	27
16	Snapshot of micro-animals and associated biotic and abiotic environmental variables on the edge of the south-west Greenland ice sheet. <i>Limnology</i> , 2018, 19, 141-150.	1.5	26
17	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.	1.7	24
18	Biotope and biocenosis of cryoconite hole ecosystems on Ecology Glacier in the maritime Antarctic. <i>Science of the Total Environment</i> , 2020, 724, 138112.	8.0	22

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19	Environmental implications of past socioeconomic events in Greater Poland during the last 1200 years. Synthesis of paleoecological and historical data. <i>Quaternary Science Reviews</i> , 2021, 259, 106902.	3.0	22
20	Influence of transboundary transport of trace elements on mountain peat geochemistry (Sudetes.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	3.0	21
21	Artificial and natural radionuclides in cryoconite as tracers of supraglacial dynamics: Insights from the Morteratsch glacier (Swiss Alps). <i>Catena</i> , 2020, 191, 104577.	5.0	18
22	Combined, sequential procedure for determination of ¹³⁷ Cs, ⁴⁰ K, ⁶³ Ni, ⁹⁰ Sr, ²³⁰ , ²³² Th, ²³⁴ , ²³⁸ U, ²³⁷ Np, ²³⁸ , ²³⁹ + ²⁴⁰ Pu and ²⁴¹ Am applied for study on contamination of soils near Āarnowiec Lake (northern) <i>Tj ETQq0 0 0 rgBT /Overlock 1</i>	5.0	10
23	Last 1000 years of environmental history in Southern Bucovina, Romania: A high resolution multi-proxy lacustrine archive. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 473, 26-40.	2.3	17
24	Atmospheric fallout radionuclides in peatland from Southern Poland. <i>Journal of Environmental Radioactivity</i> , 2017, 175-176, 25-33.	1.7	17
25	Disturbance and resilience of a <i>Sphagnum</i> peatland in western Russia (Western Dvina Lakeland) during the last 300 years: A multiproxy, high-resolution study. <i>Holocene</i> , 2020, 30, 1552-1566.	1.7	17
26	Sources and variation of isotopic ratio of airborne radionuclides in Western Arctic lichens and mosses. <i>Chemosphere</i> , 2020, 239, 124783.	8.2	15
27	Variations in Pu isotopic composition in soils from the Spitsbergen (Norway): Three potential pollution sources of the Arctic region. <i>Chemosphere</i> , 2017, 178, 231-238.	8.2	12
28	Unveiling the extreme environmental radioactivity of cryoconite from a Norwegian glacier. <i>Science of the Total Environment</i> , 2022, 814, 152656.	8.0	12
29	Distribution of anthropogenic and naturally occurring radionuclides in soils and lakes of Central Spitsbergen (Arctic). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 707-717.	1.5	11
30	Temporal variability of Pu signatures in a ²¹⁰ Pb-dated <i>Sphagnum</i> peat profile from the Northern Ural, Russian Federation. <i>Chemosphere</i> , 2021, 281, 130962.	8.2	9
31	Application of a pulse-discharge helium detector to the determination of neon in air and water. <i>Journal of Chromatography A</i> , 2002, 968, 263-267.	3.7	8
32	⁹⁰ Sr level and behaviour in the terrestrial environment of Spitsbergen. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 485-494.	1.5	5
33	Pine Forest Management and Disturbance in Northern Poland: Combining High-Resolution 100-Year-Old Paleoecological and Remote Sensing Data. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
34	Study on the sorption process on geological materials of long-lived radioactive isotopes ⁹⁰ Sr and ¹³⁷ Cs in model systems with the use of short-lived isotopes of ⁸⁵ Sr, ¹³⁴ Cs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 81-93.	1.5	4
35	Potassium influence on the sorption of ¹³⁴ Cs and ⁸³ Rb by AMP in fresh and salty waters. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 439-443.	1.5	3
36	Application of ²³⁹ , ²⁴⁰ Pu, ¹³⁷ Cs and heavy metals for dating of river sediments. <i>Geochronometria</i> , 2019, 46, 138-147.	0.8	3

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37	The radioactive contamination study in south-western Greenland tundra in 2012â€“2013. Journal of Environmental Radioactivity, 2020, 212, 106125.	1.7	2
38	Modeling of the Cs137 and Sr90 contamination transportation process performed for the vicinity of National Radioactive Wastes Disposal in RÅ³Å¼an (NE Poland). Computer Science and Mathematical Modelling, 2018, .	0.2	0