Edgar Karofeld

List of Publications by Year
in descending order

28 papers	1,641 citations	331670 21 h-index	501196 28 g-index
28 all docs	28 docs citations	28 times ranked	2021 citing authors

#	Article	IF	Citations
1	Climate-related changes in peatland carbon accumulation during the last millennium. Biogeosciences, 2013, 10, 929-944.	3.3	257
2	Latitudinal limits to the predicted increase of the peatland carbon sink with warming. Nature Climate Change, 2018, 8, 907-913.	18.8	188
3	Climate drivers for peatland palaeoclimate records. Quaternary Science Reviews, 2009, 28, 1811-1819.	3.0	146
4	CH4 emission from a hollow-ridge complex in a raised bog: The role of CH4 production and oxidation. Biogeochemistry, 2000, 51, 91-112.	3.5	142
5	Widespread drying of European peatlands in recent centuries. Nature Geoscience, 2019, 12, 922-928.	12.9	130
6	Testing the relationship between Holocene peatland palaeoclimate reconstructions and instrumental data at two European sites. Quaternary Science Reviews, 2004, 23, 137-143.	3.0	105
7	Peat multiâ€proxy data from MÃnnikjÃrve bog as indicators of late Holocene climate changes in Estonia. Boreas, 2007, 36, 20-37.	2.4	104
8	Reconstructing peatland water tables using transfer functions for plant macrofossils and testate amoebae: A methodological comparison. Quaternary International, 2012, 268, 34-43.	1.5	58
9	Impact of water table level on annual carbon and greenhouse gas balances of a restored peat extraction area. Biogeosciences, 2016, 13, 2637-2651.	3.3	54
10	Initiation of Sphagnum moss hummocks in bogs and the presence of vascular plants: Is there a link?. Acta Oecologica, 2011, 37, 346-354.	1.1	48
11	Initiation of microtopography in revegetated cutover peatlands. Applied Vegetation Science, 2011, 14, 158-171.	1.9	45
12	Microtopography and the Properties of Residual Peat Are Convenient Indicators for Restoration Planning of Abandoned Extracted Peatlands. Restoration Ecology, 2014, 22, 31-39.	2.9	44
13	Peat multi-proxy data from MÃnnikjÃrve bog as indicators of late Holocene climate changes in Estonia. Boreas, 2007, 36, 20-37.	2.4	38
14	The dynamics of the formation and development of hollows in raised bogs in Estonia. Holocene, 1998, 8, 697-704.	1.7	34
15	Environmental drivers of Sphagnum growth in peatlands across the Holarctic region. Journal of Ecology, 2021, 109, 417-431.	4.0	32
16	Factors affecting re-vegetation dynamics of experimentally restored extracted peatland in Estonia. Environmental Science and Pollution Research, 2016, 23, 13706-13717.	5.3	30
17	Initiation of microtopography in reâ€vegetated cutover peatlands: evolution of plant species composition. Applied Vegetation Science, 2012, 15, 369-382.	1.9	29
18	Environmental and taxonomic controls of carbon and oxygen stable isotope composition in <i>Sphagnum</i> across broad climatic and geographic ranges. Biogeosciences, 2018, 15, 5189-5202.	3.3	25

#	Article	IF	Citations
19	How Does Tree Density Affect Water Loss of Peatlands? A Mesocosm Experiment. PLoS ONE, 2014, 9, e91748.	2.5	23
20	Actinobacteria community structure in the peat profile of boreal bogs follows a variation in the microtopographical gradient similar to vegetation. Plant and Soil, 2013, 369, 103-114.	3.7	22
21	Bog Recovery in Northeastern Estonia after the Reduction of Atmospheric Pollutant Input. Restoration Ecology, 2010, 18, 387-400.	2.9	21
22	On the afterâ€use and restoration of abandoned extracted peatlands in the Baltic countries. Restoration Ecology, 2017, 25, 293-300.	2.9	20
23	Mud-bottom hollows: exceptional features in carbon-accumulating bogs?. Holocene, 2004, 14, 119-124.	1.7	15
24	Spatio-temporal changes in bog pool bottom topography - temperature effect and its influence on pool development: an example from a raised bog in Estonia. Hydrological Processes, 2014, 28, 958-968.	2.6	10
25	Growth characteristics of three Sphagnum species in restored extracted peatland. Restoration Ecology, 2020, 28, 1574-1583.	2.9	6
26	Distribution and development of necroticSphagnum patches in two Estonian raised bogs. Folia Geobotanica, 2005, 40, 357-366.	0.9	5
27	Drastic Turnover of Bryophyte Vegetation on Bog Microforms Initiated by Air Pollution in Northeastern Estonia and Bordering Russia. Wetlands, 2014, 34, 1097-1108.	1.5	5
28	Application of oil-shale ash and straw mulch promotes the revegetation of extracted peatlands. Ecological Engineering, 2018, 110, 99-106.	3.6	5