

Peat consumption and carbon loss due to smouldering v

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Citation Report

#	ARTICLE	IF	CITATIONS
1	APIFLAME v1.0: high-resolution fire emission model and application to the Euro-Mediterranean region. <i>Geoscientific Model Development</i> , 2014, 7, 587-612.	1.3	60
2	Charring temperatures are driven by the fuel types burned in a peatland wildfire. <i>Frontiers in Plant Science</i> , 2014, 5, 714.	1.7	26
3	Cardiopulmonary toxicity of peat wildfire particulate matter and the predictive utility of precision cut lung slices. <i>Particle and Fibre Toxicology</i> , 2014, 11, 29.	2.8	69
4	Smouldering combustion of peat in wildfires: Inverse modelling of the drying and the thermal and oxidative decomposition kinetics. <i>Combustion and Flame</i> , 2014, 161, 1633-1644.	2.8	129
5	Complex Ecological Responses to Drought and Fire-Retardant Contamination Impacts in Ephemeral Waters. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	9
6	Thermogravimetric analysis of peat decomposition under different oxygen concentrations. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 489-497.	2.0	21
7	Fuel load, structure, and potential fire behaviour in black spruce bogs. <i>Canadian Journal of Forest Research</i> , 2015, 45, 888-899.	0.8	36
8	Impact of prescribed burning on blanket peat hydrology. <i>Water Resources Research</i> , 2015, 51, 6472-6484.	1.7	33
9	Computational study of critical moisture and depth of burn in peat fires. <i>International Journal of Wildland Fire</i> , 2015, 24, 798.	1.0	61
10	Infrared Image Analysis as a Tool for Studying the Horizontal Smoldering Propagation of Laboratory Peat Fires. , 2015, , 121-139.		4
11	Smoldering-Peat Megafires. , 2015, , 1-11.		7
12	Peat Fires in Northeastern Mexico. , 2015, , 75-88.		1
13	Vegetation structure and fire weather influence variation in burn severity and fuel consumption during peatland wildfires. <i>Biogeosciences</i> , 2016, 13, 389-398.	1.3	27
14	Substantial stores of sedimentary carbon held in mid-latitude fjords. <i>Biogeosciences</i> , 2016, 13, 5771-5787.	1.3	29
15	Tropical Peatland Burn Depth and Combustion Heterogeneity Assessed Using UAV Photogrammetry and Airborne LiDAR. <i>Remote Sensing</i> , 2016, 8, 1000.	1.8	38
16	Groundwater connectivity controls peat burn severity in the boreal plains. <i>Ecohydrology</i> , 2016, 9, 574-584.	1.1	53
17	Propagation probability and spread rates of self-sustained smoldering fires under controlled moisture content and bulk density conditions. <i>International Journal of Wildland Fire</i> , 2016, 25, 456.	1.0	55
18	Mitigating wildfire carbon loss in managed northern peatlands through restoration. <i>Scientific Reports</i> , 2016, 6, 28498.	1.6	59

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19	Living on a flammable planet: interdisciplinary, cross-scalar and varied cultural lessons, prospects and challenges. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150469.	1.8	39
20	Characterization of gas and particle emissions from laboratory burns of peat. <i>Atmospheric Environment</i> , 2016, 132, 49-57.	1.9	36
21	The role of fire in UK peatland and moorland management: the need for informed, unbiased debate. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150342.	1.8	78
22	Effects of spatial heterogeneity in moisture content on the horizontal spread of peat fires. <i>Science of the Total Environment</i> , 2016, 572, 1422-1430.	3.9	38
23	Experimental study of the formation and collapse of an overhang in the lateral spread of smouldering peat fires. <i>Combustion and Flame</i> , 2016, 168, 393-402.	2.8	78
24	The recovery of <i>Sphagnum capillifolium</i> following exposure to temperatures of simulated moorland fires: a glasshouse experiment. <i>Plant Ecology and Diversity</i> , 2017, 10, 77-88.	1.0	13
25	Long-term fire effects of the drained open fen on organic soils. <i>Archives of Environmental Protection</i> , 2017, 43, 11-19.	1.1	5
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27	Modelling impacts of agricultural practice on flood peaks in upland catchments: An application of the distributed TOPMODEL. <i>Hydrological Processes</i> , 2017, 31, 4206-4216.	1.1	18
28	Sources, Sinks, and Subsidies: Terrestrial Carbon Storage in Mid-latitude Fjords. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2017, 122, 2754-2768.	1.3	27
29	Leaving moss and litter layers undisturbed reduces the short-term environmental consequences of heathland managed burns. <i>Journal of Environmental Management</i> , 2017, 204, 102-110.	3.8	4
30	Tree species identity in high-latitude forests determines fire spread through fuel ladders from branches to soil and vice versa. <i>Forest Ecology and Management</i> , 2017, 400, 475-484.	1.4	15
31	Downward spread of smouldering peat fire: the role of moisture, density and oxygen supply. <i>International Journal of Wildland Fire</i> , 2017, 26, 907.	1.0	93
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33	Scotland's forgotten carbon: a national assessment of mid-latitude fjord sedimentary carbon stocks. <i>Biogeosciences</i> , 2017, 14, 5663-5674.	1.3	27
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38	Did enhanced afforestation cause high severity peat burn in the Fort McMurray Horse River wildfire?. Environmental Research Letters, 2018, 13, 014018.	2.2	41
39	Aerosol optical properties and trace gas emissions by PAX and OP-FTIR for laboratory-simulated western US wildfires during FIREX. Atmospheric Chemistry and Physics, 2018, 18, 2929-2948.	1.9	103
40	Fire severity is more sensitive to low fuel moisture content on Calluna heathlands than on peat bogs. Science of the Total Environment, 2018, 616-617, 1261-1269.	3.9	17
42	Hidden Costs of Modelling Post-fire Plant Community Assembly Using Cellular Automata. Lecture Notes in Computer Science, 2018, , 68-79.	1.0	6
43	Carbon Emission from Peat Fire in 2015. IOP Conference Series: Earth and Environmental Science, 2018, 166, 012041.	0.2	8
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53	Increased fire severity alters initial vegetation regeneration across Calluna-dominated ecosystems. Journal of Environmental Management, 2019, 231, 1004-1011.	3.8	22
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55	Experimental evidence for sustained carbon sequestration in fire-managed, peat moorlands. Nature Geoscience, 2019, 12, 108-112.	5.4	42

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65	Peatland-fire interactions: A review of wildland fire feedbacks and interactions in Canadian boreal peatlands. <i>Science of the Total Environment</i> , 2021, 769, 145212.	3.9	41
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68	Carbon emissions from a temperate coastal peatland wildfire: contributions from natural plant communities and organic soils. <i>Carbon Balance and Management</i> , 2021, 16, 26.	1.4	4
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75	Advances in forest fire research. , 0, , .		11
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78	Flameless burning of wood: parameters of macrokinetics of pyrolysis and thermo-oxidative decomposition. <i>Pozharovzryvobezopasnost/Fire and Explosion Safety</i> , 2020, 29, 43-54.	0.2	3
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81	Wind Effects on Smoldering Behavior of Simulated Wildland Fuels. <i>Combustion Science and Technology</i> , 2023, 195, 3212-3229.	1.2	5
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87	Blanket bog CO <sub>2</sub> flux driven by plant functional type during summer drought. <i>Ecohydrology</i> , 2023, 16, .	1.1	3
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