

Joanna M Clark

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.

45
papers

2,896
citations

23
h-index

46
g-index

46
ext. papers

3,352
ext. citations

6.7
avg, IF

4.95
L-index

#	Paper	IF	Citations
45	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , 2016 , 22, 1008-284	11.4	403
44	Alternative explanations for rising dissolved organic carbon export from organic soils. <i>Global Change Biology</i> , 2006 , 12, 2044-2053	11.4	373
43	The role of soil microbes in the global carbon cycle: tracking the below-ground microbial processing of plant-derived carbon for manipulating carbon dynamics in agricultural systems. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 2362-71	4.3	232
42	Influence of drought-induced acidification on the mobility of dissolved organic carbon in peat soils. <i>Global Change Biology</i> , 2005 , 11, 791-809	11.4	222
41	Acidity controls on dissolved organic carbon mobility in organic soils. <i>Global Change Biology</i> , 2012 , 18, 3317-3331	11.4	184
40	The importance of the relationship between scale and process in understanding long-term DOC dynamics. <i>Science of the Total Environment</i> , 2010 , 408, 2768-75	10.2	174
39	The impact of climate change on the treatability of dissolved organic matter (DOM) in upland water supplies: a UK perspective. <i>Science of the Total Environment</i> , 2014 , 473-474, 714-30	10.2	124
38	Export of dissolved organic carbon from an upland peatland during storm events: Implications for flux estimates. <i>Journal of Hydrology</i> , 2007 , 347, 438-447	6	120
37	Carbon balance of UK peatlands: current state of knowledge and future research challenges. <i>Climate Research</i> , 2010 , 45, 13-29	1.6	114
36	Potential for using remote sensing to estimate carbon fluxes across northern peatlands - A review. <i>Science of the Total Environment</i> , 2018 , 615, 857-874	10.2	87
35	Bioclimatic envelope model of climate change impacts on blanket peatland distribution in Great Britain. <i>Climate Research</i> , 2010 , 45, 151-162	1.6	86
34	Suppression of dissolved organic carbon by sulfate induced acidification during simulated droughts. <i>Environmental Science & Technology</i> , 2006 , 40, 1776-83	10.3	82
33	Link between DOC in near surface peat and stream water in an upland catchment. <i>Science of the Total Environment</i> , 2008 , 404, 308-15	10.2	69
32	Increased temperature sensitivity of net DOC production from ombrotrophic peat due to water table draw-down. <i>Global Change Biology</i> , 2009 , 15, 794-807	11.4	63
31	Assessing the vulnerability of blanket peat to climate change using an ensemble of statistical bioclimatic envelope models. <i>Climate Research</i> , 2010 , 45, 131-150	1.6	52
30	Buffering of recovery from acidification by organic acids. <i>Science of the Total Environment</i> , 2008 , 404, 316-25	10.2	51
29	Processes controlling DOC in pore water during simulated drought cycles in six different UK peats. <i>Biogeochemistry</i> , 2012 , 109, 253-270	3.8	47

28	Soil quality assessment based on carbon stratification index in different olive grove management practices in Mediterranean areas. <i>Catena</i> , 2016 , 137, 449-458	5.8	30
27	Assessment of potential climate change impacts on peatland dissolved organic carbon release and drinking water treatment from laboratory experiments. <i>Environmental Pollution</i> , 2013 , 173, 270-7	9.3	30
26	Variation in the sensitivity of DOC release between different organic soils following H ₂ SO ₄ and sea-salt additions. <i>European Journal of Soil Science</i> , 2011 , 62, 267-284	3.4	29
25	Evaluation of optical techniques for characterising soil organic matter quality in agricultural soils. <i>Soil and Tillage Research</i> , 2016 , 155, 450-460	6.5	28
24	The influence of organic acids in relation to acid deposition in controlling the acidity of soil and stream waters on a seasonal basis. <i>Environmental Pollution</i> , 2008 , 151, 110-20	9.3	27
23	Modelling impacts of atmospheric deposition and temperature on long-term DOC trends. <i>Science of the Total Environment</i> , 2017 , 578, 323-336	10.2	24
22	Simulated climate change impact on summer dissolved organic carbon release from peat and surface vegetation: implications for drinking water treatment. <i>Water Research</i> , 2014 , 67, 66-76	12.5	22
21	The effect of drought on dissolved organic carbon (DOC) release from peatland soil and vegetation sources. <i>Biogeosciences</i> , 2017 , 14, 2891-2902	4.6	21
20	Insights into redox cycling of sulfur and iron in peatlands using high-resolution diffusive equilibrium thin film (DET) gel probe sampling. <i>Chemical Geology</i> , 2007 , 244, 409-420	4.2	20
19	Effects of Land Management on Different Forms of Soil Carbon in Olive Groves in Mediterranean Areas. <i>Land Degradation and Development</i> , 2016 , 27, 1186-1195	4.4	20
18	Sensitivity of peatland litter decomposition to changes in temperature and rainfall. <i>Geoderma</i> , 2018 , 331, 29-37	6.7	20
17	Comparing farmers' qualitative evaluation of soil fertility with quantitative soil fertility indicators in Kitui County, Kenya. <i>Geoderma</i> , 2019 , 344, 153-163	6.7	19
16	Managing peatland vegetation for drinking water treatment. <i>Scientific Reports</i> , 2016 , 6, 36751	4.9	16
15	Climate change and the British Uplands: evidence for decision-making. <i>Climate Research</i> , 2010 , 45, 3-12	1.6	15
14	Impacts of pollution and climate change on ombrotrophic Sphagnum species in the UK: analysis of uncertainties in two empirical niche models. <i>Climate Research</i> , 2010 , 45, 163-177	1.6	14
13	A model of gross primary productivity based on satellite data suggests formerly afforested peatlands undergoing restoration regain full photosynthesis capacity after five to ten years. <i>Journal of Environmental Management</i> , 2019 , 246, 594-604	7.9	12
12	Preservation and recovery of mangrove ecosystem carbon stocks in abandoned shrimp ponds. <i>Scientific Reports</i> , 2019 , 9, 18275	4.9	11
11	Sources of dissolved organic carbon (DOC) in a mixed land use catchment (Exe, UK). <i>Science of the Total Environment</i> , 2019 , 666, 165-175	10.2	9

10	Model inter-comparison between statistical and dynamic model assessments of the long-term stability of blanket peat in Great Britain (1940-2009). <i>Climate Research</i> , 2010 , 45, 227-248	1.6	9
9	Using Spectral Indices to Estimate Water Content and GPP in Sphagnum Moss and Other Peatland Vegetation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 4547-4557	8.1	7
8	What is going wrong with community engagement? How flood communities and flood authorities construct engagement and partnership working. <i>Environmental Science and Policy</i> , 2018 , 89, 109-115	6.2	6
7	Effects of acid sulphate on DOC release in mineral soils: the influence of SO ₂ retention and Al release. <i>European Journal of Soil Science</i> , 2013 , 64, 537-544	3.4	6
6	Changes in carbon flux and spectral reflectance of Sphagnum mosses as a result of simulated drought. <i>Ecohydrology</i> , 2019 , 12, e2123	2.5	5
5	Effects of acidity on dissolved organic carbon in organic soil extracts, pore water and surface litters. <i>Science of the Total Environment</i> , 2020 , 703, 135585	10.2	5
4	Assessment of projected changes in upland environments using simple climatic indices. <i>Climate Research</i> , 2010 , 45, 87-104	1.6	3
3	Assessing the reliability of peatland GPP measurements by remote sensing: From plot to landscape scale. <i>Science of the Total Environment</i> , 2021 , 766, 142613	10.2	3
2	Spatial properties affecting the sensitivity of soil water dissolved organic carbon long-term median concentrations and trends. <i>Science of the Total Environment</i> , 2021 , 780, 146670	10.2	1
1	Going home for tea and medals: How members of the flood risk management authorities in England construct flooding and flood risk management. <i>Journal of Flood Risk Management</i> , e12768	3.1	0