

Susan Waldron

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

4,612
citations

136950

32
h-index

144013

57
g-index

69
all docs

69
docs citations

69
times ranked

6345
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthropogenic land use and urbanization alter the dynamics and increase the export of dissolved carbon in an urbanized river system. <i>Science of the Total Environment</i> , 2022, 846, 157436.	8.0	6
2	Plant functional type indirectly affects peatland carbon fluxes and their sensitivity to environmental change. <i>European Journal of Soil Science</i> , 2021, 72, 1042-1053.	3.9	6
3	Carbon dioxide, methane, and dissolved carbon dynamics in an urbanized river system. <i>Hydrological Processes</i> , 2021, 35, e14360.	2.6	11
4	Wind farm development on peatlands increases fluvial macronutrient loading. <i>Ambio</i> , 2020, 49, 442-459.	5.5	7
5	High-frequency monitoring reveals how hydrochemistry and dissolved carbon respond to rainstorms at a karstic critical zone, Southwestern China. <i>Science of the Total Environment</i> , 2020, 714, 136833.	8.0	38
6	C mobilisation in disturbed tropical peat swamps: old DOC can fuel the fluvial efflux of old carbon dioxide, but site recovery can occur. <i>Scientific Reports</i> , 2019, 9, 11429.	3.3	12
7	Average daily flow of microplastics through a tertiary wastewater treatment plant over a ten-month period. <i>Water Research</i> , 2019, 163, 114909.	11.3	152
8	Microscopy and elemental analysis characterisation of microplastics in sediment of a freshwater urban river in Scotland, UK. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12491-12504.	5.3	154
9	Burning increases post-fire carbon emissions in a heathland and a raised bog, but experimental manipulation of fire severity has no effect. <i>Journal of Environmental Management</i> , 2019, 233, 321-328.	7.8	12
10	Fluvial dissolved organic carbon composition varies spatially and seasonally in a small catchment draining a wind farm and felled forestry. <i>Science of the Total Environment</i> , 2018, 626, 785-794.	8.0	11
11	Micro- and Nanoplastic Pollution of Freshwater and Wastewater Treatment Systems. <i>Springer Science Reviews</i> , 2017, 5, 19-30.	1.3	102
12	Denial of long-term issues with agriculture on tropical peatlands will have devastating consequences. <i>Global Change Biology</i> , 2017, 23, 977-982.	9.5	114
13	Diel Surface Temperature Range Scales with Lake Size. <i>PLoS ONE</i> , 2016, 11, e0152466.	2.5	89
14	Ground-level climate at a peatland wind farm in Scotland is affected by wind turbine operation. <i>Environmental Research Letters</i> , 2016, 11, 044024.	5.2	38
15	Monitoring peat subsidence and carbon emission in Indonesia peatlands using InSAR time series. , 2016, , .		4
16	Fluvial carbon export from a lowland Amazonian rainforest in relation to atmospheric fluxes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 3001-3018.	3.0	13
17	Challenges in modeling detailed and complex environmental data sets: a case study modeling the excess partial pressure of fluvial CO_2 . <i>Environmental and Ecological Statistics</i> , 2016, 23, 65-87.	3.5	6
18	Hydraulics are a first-order control on CO_2 efflux from fluvial systems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1912-1922.	3.0	30

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19	Biotic and Abiotic Factors Interact to Regulate Northern Peatland Carbon Cycling. <i>Ecosystems</i> , 2015, 18, 1395-1409.	3.4	44
20	Research agendas for the sustainable management of tropical peatland in Malaysia. <i>Environmental Conservation</i> , 2015, 42, 73-83.	1.3	22
21	Tracing injected CO ₂ in the Cranfield enhanced oil recovery field (MS, USA) using He, Ne and Ar isotopes. <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 554-561.	4.6	60
22	Rapid Losses of Surface Elevation following Tree Girdling and Cutting in Tropical Mangroves. <i>PLoS ONE</i> , 2014, 9, e107868.	2.5	78
23	Old carbon contributes to aquatic emissions of carbon dioxide in the Amazon. <i>Biogeosciences</i> , 2014, 11, 3635-3645.	3.3	13
24	Provenance of tetraether membrane lipids in a large temperate lake (Loch Lomond, UK): implications for glycerol dialkyl glycerol tetraether (GDGT)-based palaeothermometry. <i>Biogeosciences</i> , 2014, 11, 5539-5563.	3.3	29
25	Quantifying precision and accuracy of measurements of dissolved inorganic carbon stable isotopic composition using continuous-flow isotope-ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1117-1126.	1.5	15
26	Wind farm and solar park effects on plant-soil carbon cycling: uncertain impacts of changes in ground-level microclimate. <i>Global Change Biology</i> , 2014, 20, 1699-1706.	9.5	112
27	The price of knowledge in the knowledge economy: Should development of peatland in the UK support a research levy?. <i>Land Use Policy</i> , 2013, 32, 50-60.	5.6	5
28	Net pelagic heterotrophy in mesotrophic and oligotrophic basins of a large, temperate lake. <i>Hydrobiologia</i> , 2010, 652, 363-375.	2.0	5
29	Temporal and spatial heterogeneity in lacustrine $\delta^{13}\text{C}_{\text{DIC}}$ and $\delta^{18}\text{O}_{\text{DO}}$ signatures in a large mid-latitude temperate lake. <i>Journal of Limnology</i> , 2010, 69, 341.	1.1	7
30	Stable Isotope Analysis Reveals Lower-Order River Dissolved Inorganic Carbon Pools Are Highly Dynamic. <i>Environmental Science & Technology</i> , 2007, 41, 6156-6162.	10.0	77
31	MERCURY AND STABLE ISOTOPES IN FEATHERS OF AUDOUIN'S GULLS AS INDICATORS OF FEEDING HABITS AND MIGRATORY CONNECTIVITY. <i>Condor</i> , 2007, 109, 268.	1.6	19
32	Mercury and Stable Isotopes in Feathers Of Audouin's Gulls as Indicators of Feeding Habits and Migratory Connectivity. <i>Condor</i> , 2007, 109, 268-275.	1.6	19
33	Does Breeding Site Fidelity Drive Phenotypic and Genetic Sub-Structuring of a Population of Arctic Charr?. <i>Evolutionary Ecology</i> , 2006, 20, 11-26.	1.2	35
34	Intraguild omnivory in predatory stream insects. <i>Journal of Animal Ecology</i> , 2005, 74, 619-629.	2.8	72
35	Assortative Mating as a Mechanism for Rapid Evolution of a Migratory Divide. <i>Science</i> , 2005, 310, 502-504.	12.6	353
36	Stable isotope ratios indicate that body condition in migrating passerines is influenced by winter habitat. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, S215-8.	2.6	143

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37	Determining trophic niche width: A novel approach using stable isotope analysis. <i>Journal of Animal Ecology</i> , 2004, 73, 1007-1012.	2.8	1,030
38	The Utility of Carbon and Nitrogen Isotope Analyses to Trace Contributions from Fish Farms to the Receiving Communities of Freshwater Lakes: a Pilot Study in Esthwaite Water, UK. <i>Hydrobiologia</i> , 2004, 524, 253-262.	2.0	40
39	A streamlined approach to the analysis of volatile fatty acids and its application to the measurement of whole-body flux. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2593-2600.	1.5	36
40	Ebullition of methane-containing gas bubbles from near-surface Sphagnum peat. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	120
41	The contribution of insect prey to the total nitrogen content of sundews (<i>Drosera</i> spp.) determined in situ by stable isotope analysis. <i>New Phytologist</i> , 2003, 158, 527-534.	7.3	30
42	Combined stable isotope and gut contents analysis of food webs in plant-dominated, shallow lakes. <i>Freshwater Biology</i> , 2003, 48, 1396-1407.	2.4	77
43	Shallow horizontal groundwater flow in peatlands is reduced by bacteriogenic gas production. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	47
44	Factors That Influence Assimilation Rates and Fractionation of Nitrogen and Carbon Stable Isotopes in Avian Blood and Feathers. <i>Physiological and Biochemical Zoology</i> , 2002, 75, 451-458.	1.5	498
45	Annual Variation in Great Skua Diets: The Importance of Commercial Fisheries and Predation on Seabirds Revealed by Combining Dietary Analyses. <i>Condor</i> , 2001, 103, 802-809.	1.6	30
46	Stable isotope values of lotic invertebrates: Sources of variation, experimental design, and statistical interpretation. <i>Limnology and Oceanography</i> , 2001, 46, 723-730.	3.1	58
47	Hydrogen isotope analysis of natural abundance and deuterium-enriched waters by reduction over chromium on-line to a dynamic dual inlet isotope-ratio mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1297-1303.	1.5	78
48	An Off-Line Implementation of the Stable Isotope Technique for Measurements of Alternative Respiratory Pathway Activities. <i>Plant Physiology</i> , 2001, 127, 1279-1286.	4.8	18
49	Annual Variation in Great Skua Diets: The Importance of Commercial Fisheries and Predation on Seabirds Revealed by Combining Dietary Analyses. <i>Condor</i> , 2001, 103, 802.	1.6	37
50	Identifying migratory <i>Salmo trutta</i> using carbon and nitrogen stable isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1325-1331.	1.5	90
51	Bioamplification of Mercury in Great Skua <i>Catharacta skua</i> Chicks: the Influence of Trophic Status as Determined by Stable Isotope Signatures of Blood and Feathers. <i>Marine Pollution Bulletin</i> , 2000, 40, 181-185.	5.0	87
52	Influence of Lipid and Uric Acid on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ Values of Avian Blood: Implications for Trophic Studies. <i>Auk</i> , 2000, 117, 504-507.	1.4	8
53	Influence of Lipid and Uric Acid on $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ Values of Avian Blood: Implications for Trophic Studies. <i>Auk</i> , 2000, 117, 504-507.	1.4	76
54	Stable isotopes indicate the extent of freshwater feeding by cormorants <i>Phalacrocorax carbo</i> shot at inland fisheries in England. <i>Journal of Applied Ecology</i> , 1999, 36, 75-84.	4.0	131

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55	The global influence of the hydrogen isotope composition of water on that of bacteriogenic methane from shallow freshwater environments. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 2237-2245.	3.9	91
56	Enigmatic stable isotope dynamics of deep peat methane. <i>Global Biogeochemical Cycles</i> , 1999, 13, 93-100.	4.9	49
57	The carbon and hydrogen stable isotope composition of bacteriogenic methane: A laboratory study using a landfill inoculum. <i>Geomicrobiology Journal</i> , 1998, 15, 157-169.	2.0	35
58	How dry are anhydrous enzymes? Measurement of residual and buried ^{18}O -labeled water molecules using mass spectrometry. <i>Biopolymers</i> , 1997, 41, 313-321.	2.4	25
59	Fuel and climate controls on peatland fire severity. , 0, , 298-302.		0