Susan Waldron

List of Publications by Year
in descending order

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	Determining trophic niche width:Âa novel approach using stable isotope analysis. Journal of Animal Ecology, 2004, 73, 1007-1012.	2.8	1,030
2	Factors That Influence Assimilation Rates and Fractionation of Nitrogen and Carbon Stable Isotopes in Avian Blood and Feathers. Physiological and Biochemical Zoology, 2002, 75, 451-458.	1.5	498
3	Assortative Mating as a Mechanism for Rapid Evolution of a Migratory Divide. Science, 2005, 310, 502-504.	12.6	353
4	Microscopy and elemental analysis characterisation of microplastics in sediment of a freshwater urban river in Scotland, UK. Environmental Science and Pollution Research, 2019, 26, 12491-12504.	5.3	154
5	Average daily flow of microplastics through a tertiary wastewater treatment plant over a ten-month period. Water Research, 2019, 163, 114909.	11.3	152
6	Stable isotope ratios indicate that body condition in migrating passerines is influenced by winter habitat. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S215-8.	2.6	143
7	Stable isotopes indicate the extent of freshwater feeding by cormorants Phalacrocorax carbo shot at inland fisheries in England. Journal of Applied Ecology, 1999, 36, 75-84.	4.0	131
8	Ebullition of methane-containing gas bubbles from near-surfaceSphagnumpeat. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	120
9	Denial of longâ€term issues with agriculture on tropical peatlands will have devastating consequences. Global Change Biology, 2017, 23, 977-982.	9.5	114
10	Wind farm and solar park effects on plant-soil carbon cycling: uncertain impacts of changes in ground-level microclimate. Global Change Biology, 2014, 20, 1699-1706.	9.5	112
11	Micro- and Nanoplastic Pollution of Freshwater and Wastewater Treatment Systems. Springer Science Reviews, 2017, 5, 19-30.	1.3	102
12	The global influence of the hydrogen isotope composition of water on that of bacteriogenic methane from shallow freshwater environments. Geochimica Et Cosmochimica Acta, 1999, 63, 2237-2245.	3.9	91
13	Identifying migratorySalmo trutta using carbon and nitrogen stable isotope ratios. Rapid Communications in Mass Spectrometry, 2000, 14, 1325-1331.	1.5	90
14	Diel Surface Temperature Range Scales with Lake Size. PLoS ONE, 2016, 11, e0152466.	2.5	89
15	Bioamplification of Mercury in Great Skua Catharacta skua Chicks: the Influence of Trophic Status as Determined by Stable Isotope Signatures of Blood and Feathers. Marine Pollution Bulletin, 2000, 40, 181-185.	5.0	87
16	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. Rapid Communications in Mass Spectrometry, 2001, 15, 1297-1303.	1.5	78
17	Rapid Losses of Surface Elevation following Tree Girdling and Cutting in Tropical Mangroves. PLoS ONE, 2014, 9, e107868.	2.5	78
18	Combined stable isotope and gut contents analysis of food webs in plant-dominated, shallow lakes. Freshwater Biology, 2003, 48, 1396-1407.	2.4	77

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19	Stable Isotope Analysis Reveals Lower-Order River Dissolved Inorganic Carbon Pools Are Highly Dynamic. Environmental Science & Technology, 2007, 41, 6156-6162.	10.0	77
20	Influence of Lipid and Uric Acid on Î´¹³C and Î´¹⁵N Values of Avian Blood: Implications for Trophic Studies. Auk, 2000, 117, 504-507.	1.4	76
21	Intraguild omnivory in predatory stream insects. Journal of Animal Ecology, 2005, 74, 619-629.	2.8	72
22	Tracing injected CO 2 in the Cranfield enhanced oil recovery field (MS, USA) using He, Ne and Ar isotopes. International Journal of Greenhouse Gas Control, 2015, 42, 554-561.	4.6	60
23	Stable isotope values of lotic invertebrates: Sources of variation, experimental design, and statistical interpretation. Limnology and Oceanography, 2001, 46, 723-730.	3.1	58
24	Enigmatic stable isotope dynamics of deep peat methane. Global Biogeochemical Cycles, 1999, 13, 93-100.	4.9	49
25	Shallow horizontal groundwater flow in peatlands is reduced by bacteriogenic gas production. Geophysical Research Letters, 2003, 30, .	4.0	47
26	Biotic and Abiotic Factors Interact to Regulate Northern Peatland Carbon Cycling. Ecosystems, 2015, 18, 1395-1409.	3.4	44
27	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. Hydrobiologia, 2004, 524, 253-262.	2.0	40
28	Ground-level climate at a peatland wind farm in Scotland is affected by wind turbine operation. Environmental Research Letters, 2016, 11, 044024.	5.2	38
29	High-frequency monitoring reveals how hydrochemistry and dissolved carbon respond to rainstorms at a karstic critical zone, Southwestern China. Science of the Total Environment, 2020, 714, 136833.	8.0	38
30	Annual Variation in Great Skua Diets: The Importance of Commercial Fisheries and Predation on Seabirds Revealed by Combining Dietary Analyses. Condor, 2001, 103, 802.	1.6	37
31	A streamlined approach to the analysis of volatile fatty acids and its application to the measurement of whole-body flux. Rapid Communications in Mass Spectrometry, 2004, 18, 2593-2600.	1.5	36
32	The carbon and hydrogen stable isotope composition of bacteriogenic methane: A laboratory study using a landfill inoculum. Geomicrobiology Journal, 1998, 15, 157-169.	2.0	35
33	Does Breeding Site Fidelity Drive Phenotypic and Genetic Sub-Structuring of a Population of Arctic Charr?. Evolutionary Ecology, 2006, 20, 11-26.	1.2	35
34	Annual Variation in Great Skua Diets: The Importance of Commercial Fisheries and Predation on Seabirds Revealed by Combining Dietary Analyses. Condor, 2001, 103, 802-809.	1.6	30
35	The contribution of insect prey to the total nitrogen content of sundews (Drosera spp.) determined in situ by stable isotope analysis. New Phytologist, 2003, 158, 527-534.	7.3	30
36	Hydraulics are a firstâ€order control on CO₂ efflux from fluvial systems. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1912-1922.	3.0	30

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37	Provenance of tetraether membrane lipids in a large temperate lake (Loch Lomond, UK): implications for glycerol dialkyl glycerol tetraether (GDGT)-based palaeothermometry. Biogeosciences, 2014, 11, 5539-5563.	3.3	29
38	How dry are anhydrous enzymes? Measurement of residual and buried18O-labeled water molecules using mass spectrometry. Biopolymers, 1997, 41, 313-321.	2.4	25
39	Research agendas for the sustainable management of tropical peatland in Malaysia. Environmental Conservation, 2015, 42, 73-83.	1.3	22
40	MERCURY AND STABLE ISOTOPES IN FEATHERS OF AUDOUIN'S GULLS AS INDICATORS OF FEEDING HABITS AND MIGRATORY CONNECTIVITY. Condor, 2007, 109, 268.	1.6	19
41	Mercury and Stable Isotopes in Feathers Of Audouin's Gulls as Indicators of Feeding Habits and Migratory Connectivity. Condor, 2007, 109, 268-275.	1.6	19
42	An Off-Line Implementation of the Stable Isotope Technique for Measurements of Alternative Respiratory Pathway Activities. Plant Physiology, 2001, 127, 1279-1286.	4.8	18
43	Quantifying precision and accuracy of measurements of dissolved inorganic carbon stable isotopic composition using continuous-flow isotope-ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 1117-1126.	1.5	15
44	Old carbon contributes to aquatic emissions of carbon dioxide in the Amazon. Biogeosciences, 2014, 11, 3635-3645.	3.3	13
45	Fluvial carbon export from a lowland Amazonian rainforest in relation to atmospheric fluxes. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 3001-3018.	3.0	13
46	C mobilisation in disturbed tropical peat swamps: old DOC can fuel the fluvial efflux of old carbon dioxide, but site recovery can occur. Scientific Reports, 2019, 9, 11429.	3.3	12
47	Burning increases post-fire carbon emissions in a heathland and a raised bog, but experimental manipulation of fire severity has no effect. Journal of Environmental Management, 2019, 233, 321-328.	7.8	12
48	Fluvial dissolved organic carbon composition varies spatially and seasonally in a small catchment draining a wind farm and felled forestry. Science of the Total Environment, 2018, 626, 785-794.	8.0	11
49	Carbon dioxide, methane, and dissolved carbon dynamics in an urbanized river system. Hydrological Processes, 2021, 35, e14360.	2.6	11
50	Influence of Lipid and Uric Acid on Î´13C and Î´15N Values of Avian Blood: Implications for Trophic Studies. Auk, 2000, 117, 504-507.	1.4	8
51	Temporal and spatial heterogeneity in lacustrine Î´13CDIC and Î´18ODO signatures in a large mid-latitude temperate lake. Journal of Limnology, 2010, 69, 341.	1.1	7
52	Wind farm development on peatlands increases fluvial macronutrient loading. Ambio, 2020, 49, 442-459.	5.5	7
53	Challenges in modeling detailed and complex environmental data sets: a case study modeling the excess partial pressure of fluvial $$hbox {CO}_2$$ CO 2. Environmental and Ecological Statistics, 2016, 23, 65-87.	3.5	6
54	Plant functional type indirectly affects peatland carbon fluxes and their sensitivity to environmental change. European Journal of Soil Science, 2021, 72, 1042-1053.	3.9	6

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55	Anthropogenic land use and urbanization alter the dynamics and increase the export of dissolved carbon in an urbanized river system. Science of the Total Environment, 2022, 846, 157436.	8.0	6
56	Net pelagic heterotrophy in mesotrophic and oligotrophic basins of a large, temperate lake. Hydrobiologia, 2010, 652, 363-375.	2.0	5
57	The price of knowledge in the knowledge economy: Should development of peatland in the UK support a research levy?. Land Use Policy, 2013, 32, 50-60.	5.6	5
58	Monitoring peat subsidence and carbon emission in Indonesia peatlands using InSAR time series. , 2016, , .		4
59	Fuel and climate controls on peatland fire severity. , 0, , 298-302.		0