

Jonathan Grey

List of Publications by Year in descending order

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76
papers

5,179
citations

81839

39
h-index

88593

70
g-index

76
all docs

76
docs citations

76
times ranked

5659
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian stable isotope mixing models. <i>Environmetrics</i> , 2013, 24, 387-399.	0.6	519
2	A revised model for lipid-normalizing $\delta^{13}\text{C}$ values from aquatic organisms, with implications for isotope mixing models. <i>Journal of Applied Ecology</i> , 2006, 43, 1213-1222.	1.9	361
3	Population-Level Metrics of Trophic Structure Based on Stable Isotopes and Their Application to Invasion Ecology. <i>PLoS ONE</i> , 2012, 7, e31757.	1.1	297
4	Seasonal changes in the importance of the source of organic matter to the diet of zooplankton in Loch Ness, as indicated by stable isotope analysis. <i>Limnology and Oceanography</i> , 2001, 46, 505-513.	1.6	294
5	Biomonitoring of Human Impacts in Freshwater Ecosystems. <i>Advances in Ecological Research</i> , 2011, 44, 1-68.	1.4	212
6	Biogenic methane in freshwater food webs. <i>Freshwater Biology</i> , 2011, 56, 213-229.	1.2	153
7	Warming alters community size structure and ecosystem functioning. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3011-3019.	1.2	148
8	Effect of preparation and preservation procedures on carbon and nitrogen stable isotope determinations from zooplankton. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2605-2610.	0.7	146
9	An assessment, using stable isotopes, of the importance of allochthonous organic carbon sources to the pelagic food web in Loch Ness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 105-110.	1.2	114
10	From introduction to fishery dominance: the initial impacts of the invasive carp <i>Cyprinus carpio</i> in Lake Naivasha, Kenya, 1999 to 2006. <i>Journal of Fish Biology</i> , 2007, 71, 239-257.	0.7	103
11	High intraspecific variability in carbon and nitrogen stable isotope ratios of lake chironomid larvae. <i>Limnology and Oceanography</i> , 2004, 49, 239-244.	1.6	102
12	WIDESPREAD CONTRIBUTION OF METHANE-CYCLE BACTERIA TO THE DIETS OF LAKE PROFUNDAL CHIRONOMID LARVAE. <i>Ecology</i> , 2008, 89, 857-864.	1.5	101
13	Niche differentiation among invasive crayfish and their impacts on ecosystem structure and functioning. <i>Freshwater Biology</i> , 2014, 59, 1123-1135.	1.2	101
14	Ontogeny and dietary specialization in brown trout (<i>Salmo trutta</i> L.) from Loch Ness, Scotland, examined using stable isotopes of carbon and nitrogen. <i>Ecology of Freshwater Fish</i> , 2001, 10, 168-176.	0.7	100
15	Experimental $\delta^{13}\text{C}$ evidence for a contribution of methane to pelagic food webs in lakes. <i>Limnology and Oceanography</i> , 2006, 51, 2821-2827.	1.6	99
16	Stable isotope analyses provide new insights into ecological plasticity in a mixohaline population of European eel. <i>Oecologia</i> , 2005, 144, 673-683.	0.9	98
17	River bed carbon and nitrogen cycling: State of play and some new directions. <i>Science of the Total Environment</i> , 2012, 434, 143-158.	3.9	98
18	Stable isotope analysis of the origins of zooplankton carbon in lakes of differing trophic state. <i>Oecologia</i> , 2000, 123, 232-240.	0.9	94

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19	Terrestrial support of lake food webs: Synthesis reveals controls over cross-ecosystem resource use. <i>Science Advances</i> , 2017, 3, e1601765.	4.7	92
20	Seasonal changes in the stable isotope values of lake-dwelling chironomid larvae in relation to feeding and life cycle variability. <i>Freshwater Biology</i> , 2004, 49, 681-689.	1.2	86
21	Accelerating rates of freshwater invasions in the catchment of the River Thames. <i>Biological Invasions</i> , 2013, 15, 945-951.	1.2	77
22	Ferox Trout (<i>Salmo trutta</i>) as 'Russian dolls': complementary gut content and stable isotope analyses of the Loch Ness foodweb. <i>Freshwater Biology</i> , 2002, 47, 1235-1243.	1.2	71
23	A review of allodiversity in Lake Naivasha, Kenya: Developing conservation actions to protect East African lakes from the negative impacts of alien species. <i>Biological Conservation</i> , 2011, 144, 2585-2596.	1.9	70
24	Microbial methane cycling in the bed of a chalk river: oxidation has the potential to match methanogenesis enhanced by warming. <i>Freshwater Biology</i> , 2015, 60, 150-160.	1.2	69
25	Methane cycling in lake sediments and its influence on chironomid larval $\delta^{13}\text{C}$. <i>FEMS Microbiology Ecology</i> , 2005, 54, 339-350.	1.3	67
26	Back to the future: using palaeolimnology to infer long-term changes in shallow lake food webs. <i>Freshwater Biology</i> , 2010, 55, 600-613.	1.2	60
27	High site fidelity and low site connectivity in temperate salt marsh fish populations: a stable isotope approach. <i>Oecologia</i> , 2012, 168, 245-255.	0.9	59
28	'Leaves and Eats Shoots': Direct Terrestrial Feeding Can Supplement Invasive Red Swamp Crayfish in Times of Need. <i>PLoS ONE</i> , 2012, 7, e42575.	1.1	56
29	The Incredible Lightness of Being Methane-Fuelled: Stable Isotopes Reveal Alternative Energy Pathways in Aquatic Ecosystems and Beyond. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	56
30	Lipid extraction has little effect on the $\delta^{15}\text{N}$ of aquatic consumers. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 338-342.	1.0	54
31	Fossil chironomid $\delta^{13}\text{C}$ as a proxy for past methanogenic contribution to benthic food webs in lakes?. <i>Journal of Paleolimnology</i> , 2010, 43, 235-245.	0.8	51
32	Microbial dynamics in coastal waters of East Antarctica: bacterial production and nanoflagellate bacterivory. <i>Marine Ecology - Progress Series</i> , 1996, 142, 3-17.	0.9	50
33	Invasive crayfish as drivers of fine sediment dynamics in rivers: field and laboratory evidence. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 259-271.	1.2	49
34	Determination of zooplankton dietary shift following a zebra mussel invasion, as indicated by stable isotope analysis. <i>Freshwater Biology</i> , 2006, 51, 1310-1319.	1.2	48
35	Selectivity and competitive interactions between two benthic invertebrate grazers (<i>Asellus</i>) and <i>Overlock</i> $\delta^{15}\text{N}$ -labelled diatoms. <i>Freshwater Biology</i> , 2005, 50, 369-379.	1.2	47
36	Evidence for the role of methane-derived carbon in a free-flowing, lowland river food web. <i>Limnology and Oceanography</i> , 2009, 54, 1541-1547.	1.6	47

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37	Laboratory measures of isotope discrimination factors: comments on Caut, Angulo & Courchamp (2008, 2009). <i>Journal of Applied Ecology</i> , 2010, 47, 942-947.	1.9	46
38	Dietary niche constriction when invaders meet natives: evidence from freshwater decapods. <i>Journal of Animal Ecology</i> , 2016, 85, 1098-1107.	1.3	42
39	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.	1.0	40
40	A trophic pathway from biogenic methane supports fish biomass in a temperate lake ecosystem. <i>Oikos</i> , 2010, 119, 409-416.	1.2	40
41	Stable isotope analysis provides fresh insights into dietary separation between <i>Chironomus anthracinus</i> and <i>C. plumosus</i> . <i>Journal of the North American Benthological Society</i> , 2004, 23, 287-296.	3.0	39
42	Unravelling complexities in benthic food webs using a dual stable isotope (hydrogen and carbon) approach. <i>Freshwater Biology</i> , 2009, 54, 2243-2251.	1.2	39
43	Sources and fluxes of inorganic carbon in a deep, oligotrophic lake (Loch Ness, Scotland). <i>Global Biogeochemical Cycles</i> , 2001, 15, 863-870.	1.9	38
44	Isotopic variation complicates analysis of trophic relations within the fish community of PluÅsee: a small, deep, stratifying lake. <i>Archiv für Hydrobiologie</i> , 2006, 167, 281-299.	1.1	38
45	Dissolved carbon dioxide concentration controls baseline stable carbon isotope signatures of a lake food web. <i>Limnology and Oceanography</i> , 2012, 57, 1292-1302.	1.6	37
46	Widespread methanotrophic primary production in lowland chalk rivers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132854.	1.2	37
47	Temporal variation in zebra mussel (<i>Dreissena polymorpha</i>) density structure the benthic food web and community composition on hard substrates in Lake Constance, Germany. <i>Biological Invasions</i> , 2011, 13, 2727-2738.	1.2	35
48	Carbon stable isotopes reveal complex trophic interactions in lake plankton. , 1999, 13, 1311-1314.		32
49	Riverbed methanotrophy sustained by high carbon conversion efficiency. <i>ISME Journal</i> , 2015, 9, 2304-2314.	4.4	32
50	Stable isotope analysis of archived roach (<i>Rutilus rutilus</i>) scales for retrospective study of shallow lake responses to nutrient reduction. <i>Freshwater Biology</i> , 2009, 54, 1663-1670.	1.2	31
51	Bending the rules: exploitation of allochthonous resources by a top predator modifies size abundance scaling in stream food webs. <i>Ecology Letters</i> , 2018, 21, 1771-1780.	3.0	30
52	The introduced <i>Micropterus salmoides</i> in an equatorial lake: a paradoxical loser in an invasion meltdown scenario?. <i>Biological Invasions</i> , 2010, 12, 3439-3448.	1.2	24
53	Angling baits and invasive crayfish as important trophic subsidies for a large cyprinid fish. <i>Aquatic Sciences</i> , 2015, 77, 153-160.	0.6	24
54	Site-specific methane production and subsequent midge mediation within Esthwaite Water, UK. <i>Archiv für Hydrobiologie</i> , 2006, 167, 317-334.	1.1	23

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55	Bringing methanotrophy in rivers out of the shadows. <i>Limnology and Oceanography</i> , 2017, 62, 2345-2359.	1.6	23
56	Exploitation of a deep-water algal maximum by <i>Daphnia</i> : a stable-isotope tracer study. <i>Hydrobiologia</i> , 2003, 500, 95-101.	1.0	22
57	Determining the strength of exploitative competition from an introduced fish: roles of density, biomass and body size. <i>Ecology of Freshwater Fish</i> , 2011, 20, 74-79.	0.7	22
58	Gardening by the psychomyiid caddisfly <i>Tinodes waeneri</i> : evidence from stable isotopes. <i>Oecologia</i> , 2010, 163, 127-139.	0.9	21
59	Potential carbon fixation via methane oxidation in well-oxygenated river bed gravels. <i>Limnology and Oceanography</i> , 2010, 55, 560-568.	1.6	20
60	Food niches of cyclopoid copepods in eutrophic PluÅsee determined by stable isotope analysis. <i>Archiv FÅr Hydrobiologie</i> , 2006, 167, 301-316.	1.1	19
61	Potential carbon fixation via methane oxidation in well-oxygenated river bed gravels. <i>Limnology and Oceanography</i> , 2010, 55, 560-568.	1.6	19
62	Utilisation of dissolved organic carbon from different sources by pelagic bacteria in an acidic mining lake. <i>Archiv FÅr Hydrobiologie</i> , 2006, 165, 355-364.	1.1	17
63	Hatching Asynchrony and Growth Trade-Offs Within Barn Swallow Broods. <i>Condor</i> , 2009, 111, 668-674.	0.7	16
64	No such thing as a free meal: organotin transfer across the freshwater-terrestrial interface. <i>Freshwater Biology</i> , 2016, 61, 2051-2062.	1.2	15
65	Invasive crayfish impacts on native fish diet and growth vary with fish life stage. <i>Aquatic Sciences</i> , 2017, 79, 113-125.	0.6	15
66	Temporal Patterns of Protozooplankton Abundance and Their Food in Ellis Fjord, Princess Elizabeth Land, Eastern Antarctica. <i>Estuarine, Coastal and Shelf Science</i> , 1997, 45, 17-25.	0.9	14
67	âHouse and gardenâ: larval galleries enhance resource availability for a sedentary caddisfly. <i>Freshwater Biology</i> , 2012, 57, 2526-2538.	1.2	14
68	Status, ecology and conservation of an endemic fish, <i>Oreochromis niloticus baringoensis</i> , in Lake Baringo, Kenya. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 487-496.	0.9	13
69	Trade-off between morphological convergence and opportunistic diet behavior in fish hybrid zone. <i>Frontiers in Zoology</i> , 2009, 6, 26.	0.9	13
70	Zooplankton interactions in an enclosure experiment: insights from stable isotope analyses. <i>Freshwater Biology</i> , 2004, 49, 1495-1504.	1.2	10
71	A chironomid conundrum: queries arising from stable isotopes. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2002, 28, 102-105.	0.1	8
72	Seasonal variability in the gut ultrastructure of the parasitic copepod <i>Neoergasilus japonicus</i> (Copepoda, Poecilostomatoida). <i>Canadian Journal of Zoology</i> , 2004, 82, 1655-1666.	0.4	8

#	ARTICLE	IF	CITATIONS
73	Modification of littoral algal assemblages by gardening caddisfly larvae. <i>Freshwater Biology</i> , 2017, 62, 507-518.	1.2	5
74	Altered complementary feeding strategies of the consumers <i>Hydrobia ulvae</i> and <i>Idotea emarginata</i> via passive selectivity. <i>Helgoland Marine Research</i> , 2009, 63, 189-197.	1.3	4
75	Geographically widespread ¹³ C-depletion of grazing caddis larvae: A <i>third way</i> of fuelling stream food webs?. <i>Freshwater Biology</i> , 2019, 64, 787-798.	1.2	3
76	Biological influences on inter- and intraspecific isotopic variability among paired chondrostome fishes. <i>Comptes Rendus - Biologies</i> , 2010, 333, 613-621.	0.1	2