

Peggy H Ostrom

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,283
citations

394421

19
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1533
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopologue effects during N ₂ O reduction in soils and in pure cultures of denitrifiers. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	165
2	Isotopologue fractionation during N ₂ O production by fungal denitrification. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3989-3996.	1.5	143
3	Isotopologue fractionation during microbial reduction of N ₂ O within soil mesocosms as a function of water-filled pore space. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2273-2280.	8.8	96
4	New strategies for characterizing ancient proteins using matrix-assisted laser desorption ionization mass spectrometry. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 1043-1050.	3.9	82
5	Sequence preservation of osteocalcin protein and mitochondrial DNA in bison bones older than 55 ka. <i>Geology</i> , 2002, 30, 1099.	4.4	73
6	Evidence for the predominance of denitrification as a source of N ₂ O in temperate agricultural soils based on isotopologue measurements. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	67
7	Millennial-scale isotope records from a wide-ranging predator show evidence of recent human impact to oceanic food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8972-8977.	7.1	64
8	Trophic relationships of albatrosses associated with squid and large-mesh drift-net fisheries in the North Pacific Ocean. <i>Canadian Journal of Zoology</i> , 1997, 75, 549-562.	1.0	61
9	Foraging segregation and genetic divergence between geographically proximate colonies of a highly mobile seabird. <i>Oecologia</i> , 2012, 168, 119-130.	2.0	59
10	Grand challenges for research in the Laurentian Great Lakes. <i>Limnology and Oceanography</i> , 2017, 62, 2510-2523.	3.1	55
11	Unraveling the sequence and structure of the protein osteocalcin from a 42ka fossil horse. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 2034-2044.	3.9	51
12	The Isotopomers of Nitrous Oxide: Analytical Considerations and Application to Resolution of Microbial Production Pathways. <i>Advances in Isotope Geochemistry</i> , 2012, , 453-476.	1.4	51
13	Beyond carbon and nitrogen: guidelines for estimating three-dimensional isotopic niche space. <i>Ecology and Evolution</i> , 2016, 6, 2405-2413.	1.9	40
14	Foraging habits in a generalist predator: Sex and age influence habitat selection and resource use among bottlenose dolphins (<i>Tursiops truncatus</i>). <i>Marine Mammal Science</i> , 2015, 31, 155-168.	1.8	39
15	Mining the isotopic complexity of nitrous oxide: a review of challenges and opportunities. <i>Biogeochemistry</i> , 2017, 132, 359-372.	3.5	37
16	Broad-scale trophic shift in the pelagic North Pacific revealed by an oceanic seabird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162436.	2.6	35
17	Investigation of the protein osteocalcin of <i>Camelops hesternus</i> : Sequence, structure and phylogenetic implications. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5956-5967.	3.9	30
18	Ecosystem metabolism and greenhouse gas production in a mesotrophic northern temperate lake experiencing seasonal hypoxia. <i>Biogeochemistry</i> , 2016, 131, 303-319.	3.5	23

#	ARTICLE	IF	CITATIONS
19	Isotopic Characterization of Flight Feathers in Two Pelagic Seabirds: Sampling Strategies for Ecological Studies. <i>Condor</i> , 2010, 112, 337-346.	1.6	21
20	Improving process-based estimates of N ₂ O emissions from soil using temporally extensive chamber techniques and stable isotopes. <i>Nutrient Cycling in Agroecosystems</i> , 2011, 91, 145-154.	2.2	14
21	Estimation of isotope variation of N ₂ O during denitrification by <i>Pseudomonas aureofaciens</i> and <i>Pseudomonas chlororaphis</i> ; implications for N ₂ O source apportionment. <i>Biogeosciences</i> , 2018, 15, 3873-3882.	3.3	12
22	From ecologically equivalent individuals to contrasting colonies: quantifying isotopic niche and individual foraging specialization in an endangered oceanic seabird. <i>Marine Biology</i> , 2019, 166, 1.	1.5	12
23	The influence of tillage and fertilizer on the flux and source of nitrous oxide with reference to atmospheric variation using laser spectroscopy. <i>Biogeochemistry</i> , 2021, 152, 143-159.	3.5	11
24	Retrospective analysis of bottlenose dolphin foraging: A legacy of anthropogenic ecosystem disturbance. <i>Marine Mammal Science</i> , 2013, 29, 705-718.	1.8	10
25	Unexpected hydrogen isotope variation in oceanic pelagic seabirds. <i>Oecologia</i> , 2014, 175, 1227-1235.	2.0	9
26	A compact E-B filter: A multi-collector cycloidal focusing mass spectrometer. <i>Review of Scientific Instruments</i> , 2015, 86, 105105.	1.3	8
27	Site-specific variation in gene expression from <i>Symbiodinium</i> spp. associated with offshore and inshore <i>Porites astreoides</i> in the lower Florida Keys is lost with bleaching and disease stress. <i>PLoS ONE</i> , 2017, 12, e0173350.	2.5	7
28	Trophic declines and decadal-scale foraging segregation in three pelagic seabirds. <i>Oecologia</i> , 2019, 189, 395-406.	2.0	6
29	Influence of Feather Selection and Sampling Protocol on Interpretations of Hawaiian Petrel (<i>Pterodroma sandwichensis</i>) Nonbreeding Season Foraging Habits from Stable Isotope Analysis. <i>Waterbirds</i> , 2018, 41, 93-100.	0.3	1
30	Evidence for the predominance of denitrification as a source of N ₂ O in temperate agricultural soils based on isotopologue measurements. , 2009, .		1