

# Lydia H Zeglin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8573047/publications.pdf>

Version: 2024-02-01

39  
papers

4,413  
citations

201674

27  
h-index

330143

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

6262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stoichiometry of soil enzyme activity at global scale. <i>Ecology Letters</i> , 2008, 11, 1252-1264.	6.4	1,684
2	Pulse dynamics and microbial processes in aridland ecosystems. <i>Journal of Ecology</i> , 2008, 96, 413-420.	4.0	330
3	Stream microbial diversity in response to environmental changes: review and synthesis of existing research. <i>Frontiers in Microbiology</i> , 2015, 6, 454.	3.5	297
4	The avian gut microbiota: community, physiology and function in wild birds. <i>Journal of Avian Biology</i> , 2018, 49, e01788.	1.2	194
5	N retention and transformation in urban streams. <i>Journal of the North American Benthological Society</i> , 2005, 24, 626-642.	3.1	159
6	Microbial responses to nitrogen addition in three contrasting grassland ecosystems. <i>Oecologia</i> , 2007, 154, 349-359.	2.0	158
7	Evidence for Different Contributions of Archaea and Bacteria to the Ammonia-Oxidizing Potential of Diverse Oregon Soils. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7691-7698.	3.1	150
8	Dynamics of ammonia-oxidizing archaea and bacteria populations and contributions to soil nitrification potentials. <i>ISME Journal</i> , 2012, 6, 2024-2032.	9.8	149
9	Bacterial Community Structure Along Moisture Gradients in the Parafluvial Sediments of Two Ephemeral Desert Streams. <i>Microbial Ecology</i> , 2011, 61, 543-556.	2.8	107
10	Nano-scale investigation of the association of microbial nitrogen residues with iron (hydr)oxides in a forest soil O-horizon. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 95, 213-226.	3.9	107
11	The Potential of Metagenomic Approaches for Understanding Soil Microbial Processes. <i>Soil Science Society of America Journal</i> , 2014, 78, 3-10.	2.2	105
12	Thinking outside the channel: modeling nitrogen cycling in networked river ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 229-238.	4.0	104
13	Global synthesis of the temperature sensitivity of leaf litter breakdown in streams and rivers. <i>Global Change Biology</i> , 2017, 23, 3064-3075.	9.5	103
14	Factors Controlling Soil Microbial Biomass and Bacterial Diversity and Community Composition in a Cold Desert Ecosystem: Role of Geographic Scale. <i>PLoS ONE</i> , 2013, 8, e66103.	2.5	98
15	Landscape Distribution of Microbial Activity in the McMurdo Dry Valleys: Linked Biotic Processes, Hydrology, and Geochemistry in a Cold Desert Ecosystem. <i>Ecosystems</i> , 2009, 12, 562-573.	3.4	68
16	Manipulation of gut microbiota during critical developmental windows affects host physiological performance and disease susceptibility across ontogeny. <i>Journal of Animal Ecology</i> , 2019, 88, 845-856.	2.8	61
17	Vertical changes of soil microbial properties in claypan soils. <i>Soil Biology and Biochemistry</i> , 2018, 121, 154-164.	8.8	57
18	Organic matter quantity and source affects microbial community structure and function following volcanic eruption on <i>Asatochi Island</i> , Alaska. <i>Environmental Microbiology</i> , 2016, 18, 146-158.	3.8	46

#	ARTICLE	IF	CITATIONS
19	Microbial assemblages reflect environmental heterogeneity in alpine streams. <i>Global Change Biology</i> , 2019, 25, 2576-2590.	9.5	42
20	Bacterial and archaeal amoA gene distribution covaries with soil nitrification properties across a range of land uses. <i>Environmental Microbiology Reports</i> , 2011, 3, 717-726.	2.4	39
21	Hydrologic characteristics of lake- and stream- side riparian wetted margins in the McMurdo Dry Valleys, Antarctica. <i>Hydrological Processes</i> , 2009, 23, 1255-1267.	2.6	37
22	Solute Concentrations Influence Microbial Methanogenesis in Coal-bearing Strata of the Cherokee Basin, USA. <i>Frontiers in Microbiology</i> , 2015, 6, 1287.	3.5	36
23	Advancing the Food-Energy-Water Nexus: Closing Nutrient Loops in Arid River Corridors. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8485-8496.	10.0	36
24	Experimental nitrogen and phosphorus enrichment stimulates multiple trophic levels of algal and detrital-based food webs: a global meta-analysis from streams and rivers. <i>Biological Reviews</i> , 2021, 96, 692-715.	10.4	35
25	Manipulation of Gut Microbiota Reveals Shifting Community Structure Shaped by Host Developmental Windows in Amphibian Larvae. <i>Integrative and Comparative Biology</i> , 2017, 57, 786-794.	2.0	34
26	Historical Drought Affects Microbial Population Dynamics and Activity During Soil Drying and Re-Wet. <i>Microbial Ecology</i> , 2020, 79, 662-674.	2.8	33
27	Long-term fire management history affects N-fertilization sensitivity, but not seasonality, of grassland soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2018, 121, 231-239.	8.8	29
28	Soil fungal community changes in response to long-term fire cessation and N fertilization in tallgrass prairie. <i>Fungal Ecology</i> , 2019, 41, 45-55.	1.6	25
29	Fate of Decomposed Fungal Cell Wall Material in Organic Horizons of Old-Growth Douglas-fir Forest Soils. <i>Soil Science Society of America Journal</i> , 2013, 77, 489-500.	2.2	23
30	Controls on the Spatial Dimensions of Wetted Hydrologic Margins of Two Antarctic Lakes. <i>Vadose Zone Journal</i> , 2007, 6, 841-848.	2.2	21
31	Temporal Variation of Soil Microbial Properties in a Corn-Wheat-Soybean System. <i>Soil Science Society of America Journal</i> , 2019, 83, 1696-1711.	2.2	11
32	Connections and Feedback: Aquatic, Plant, and Soil Microbiomes in Heterogeneous and Changing Environments. <i>BioScience</i> , 2020, 70, 548-562.	4.9	11
33	Plant legacies and soil microbial community dynamics control soil respiration. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108350.	8.8	10
34	Watershed and fire severity are stronger determinants of soil chemistry and microbiomes than within-watershed woody encroachment in a tallgrass prairie system. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	5
35	Microbial Dispersal, Including Bison Dung Vected Dispersal, Increases Soil Microbial Diversity in a Grassland Ecosystem. <i>Frontiers in Microbiology</i> , 2022, 13, 825193.	3.5	4
36	Differential Resilience of Soil Microbes and Ecosystem Functions Following Cessation of Long-Term Fertilization. <i>Ecosystems</i> , 2021, 24, 2042-2060.	3.4	3

#	ARTICLE	IF	CITATIONS
37	Limited legacy effects of extreme multiyear drought on carbon and nitrogen cycling in a mesic grassland. <i>Elementa</i> , 2022, 10, .	3.2	2
38	Taxonomy, not locality, influences the cloacal microbiota of two nearctic colubrids: a preliminary analysis. <i>Molecular Biology Reports</i> , 2021, 48, 6435-6442.	2.3	0
39	High Supply, High Demand: A Fertilizer Waste Release Impacts Nitrate Uptake and Metabolism in a Large River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006469.	3.0	0