

# Angela D Kent

## List of Publications by Year in descending order

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78  
papers

6,938  
citations

101543

36  
h-index

82547

72  
g-index

79  
all docs

79  
docs citations

79  
times ranked

9064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrosequencing enumerates and contrasts soil microbial diversity. <i>ISME Journal</i> , 2007, 1, 283-290.	9.8	1,615
2	Habitat degradation impacts black howler monkey ( <i>Alouatta pigra</i> ) gastrointestinal microbiomes. <i>ISME Journal</i> , 2013, 7, 1344-1353.	9.8	1,031
3	Microbial Communities and Their Interactions in Soil and Rhizosphere Ecosystems. <i>Annual Review of Microbiology</i> , 2002, 56, 211-236.	7.3	383
4	The Gut Microbiota Appears to Compensate for Seasonal Diet Variation in the Wild Black Howler Monkey ( <i>Alouatta pigra</i> ). <i>Microbial Ecology</i> , 2015, 69, 434-443.	2.8	254
5	Synchrony in aquatic microbial community dynamics. <i>ISME Journal</i> , 2007, 1, 38-47.	9.8	225
6	Agricultural management and plant selection interactively affect rhizosphere microbial community structure and nitrogen cycling. <i>Microbiome</i> , 2019, 7, 146.	11.1	202
7	Web-Based Phylogenetic Assignment Tool for Analysis of Terminal Restriction Fragment Length Polymorphism Profiles of Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2003, 69, 6768-6776.	3.1	188
8	Comparative Biogeochemical Cycles of Bioenergy Crops Reveal Nitrogen-Fixation and Low Greenhouse Gas Emissions in a <i>Miscanthus</i> – <i>Agiganteus</i> Agro-Ecosystem. <i>Ecosystems</i> , 2010, 13, 144-156.	3.4	184
9	Temporal Patterns in Bacterial Communities in Three Temperate Lakes of Different Trophic Status. <i>Microbial Ecology</i> , 2003, 46, 391-405.	2.8	181
10	Interannual dynamics and phenology of bacterial communities in a eutrophic lake. <i>Limnology and Oceanography</i> , 2007, 52, 487-494.	3.1	167
11	Microbial community dynamics in a humic lake: differential persistence of common freshwater phylotypes. <i>Environmental Microbiology</i> , 2006, 8, 956-970.	3.8	141
12	Molecular Epidemiology of Cross-Species <i>Giardia duodenalis</i> Transmission in Western Uganda. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e683.	3.0	136
13	Annual Patterns in Bacterioplankton Community Variability in a Humic Lake. <i>Microbial Ecology</i> , 2004, 48, 550-560.	2.8	128
14	Long-term fertilizer and crop-rotation treatments differentially affect soil bacterial community structure. <i>Plant and Soil</i> , 2017, 413, 145-159.	3.7	119
15	Microbial Community Structure and Denitrification in a Wetland Mitigation Bank. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4207-4215.	3.1	104
16	The role of gut microbes in satisfying the nutritional demands of adult and juvenile wild, black howler monkeys ( <i>Alouatta pigra</i> ). <i>American Journal of Physical Anthropology</i> , 2014, 155, 652-664.	2.1	103
17	Mercury methylation in the hypolimnetic waters of lakes with and without connection to wetlands in northern Wisconsin. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 400-411.	1.4	96
18	Interactions between specific phytoplankton and bacteria affect lake bacterial community succession. <i>Environmental Microbiology</i> , 2013, 15, 2489-2504.	3.8	94

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19	Bridging the gap between micro - and macro-scale perspectives on the role of microbial communities in global change ecology. <i>Plant and Soil</i> , 2006, 289, 59-70.	3.7	86
20	Distinct responses of soil microbial communities to elevated CO <sub>2</sub> and O <sub>3</sub> in a soybean agro-ecosystem. <i>ISME Journal</i> , 2014, 8, 714-726.	9.8	80
21	Bacterial community response to changes in soil redox potential along a moisture gradient in restored wetlands. <i>Ecological Engineering</i> , 2014, 73, 246-253.	3.6	79
22	Relative influence of landscape vs. local factors on plant community assembly in restored wetlands. <i>Ecological Applications</i> , 2009, 19, 2108-2123.	3.8	74
23	Hydrologic history influences microbial community composition and nitrogen cycling under experimental drying/wetting treatments. <i>Soil Biology and Biochemistry</i> , 2013, 66, 29-37.	8.8	68
24	Cyanobacterial diversity in the phyllosphere of a mangrove forest. <i>FEMS Microbiology Ecology</i> , 2012, 80, 312-322.	2.7	65
25	Comparison of Primer Sets for Use in Automated Ribosomal Intergenic Spacer Analysis of Aquatic Bacterial Communities: an Ecological Perspective. <i>Applied and Environmental Microbiology</i> , 2007, 73, 659-662.	3.1	56
26	Contribution of nitrogen fixation to first year <i>Miscanthus</i> – <i>giganteus</i> . <i>GCB Bioenergy</i> , 2014, 6, 577-586.	5.6	52
27	Dynamic biochar effects on soil nitrous oxide emissions and underlying microbial processes during the maize growing season. <i>Soil Biology and Biochemistry</i> , 2018, 122, 81-90.	8.8	52
28	Tradeoffs among ecosystem services in restored wetlands. <i>Biological Conservation</i> , 2015, 191, 341-348.	4.1	51
29	An evaluation of primers for detecting denitrifiers via their functional genes. <i>Environmental Microbiology</i> , 2019, 21, 1196-1210.	3.8	50
30	Plant and soil effects on bacterial communities associated with <i>Miscanthus</i> – <i>giganteus</i> rhizosphere and rhizomes. <i>GCB Bioenergy</i> , 2016, 8, 183-193.	5.6	49
31	Maize germplasm chronosequence shows crop breeding history impacts recruitment of the rhizosphere microbiome. <i>ISME Journal</i> , 2021, 15, 2454-2464.	9.8	49
32	Seasonal Dynamics of Phytoplankton and Planktonic Protozoan Communities in a Northern Temperate Humic Lake: Diversity in a Dinoflagellate Dominated System. <i>Microbial Ecology</i> , 2004, 48, 528-540.	2.8	48
33	Sources of Methylmercury to a Wetland-Dominated Lake in Northern Wisconsin. <i>Environmental Science &amp; Technology</i> , 2005, 39, 4747-4758.	10.0	48
34	Towards an Evolutionary Model of Animal-Associated Microbiomes. <i>Entropy</i> , 2011, 13, 570-594.	2.2	48
35	Experimental manipulations of microbial food web interactions in a humic lake: shifting biological drivers of bacterial community structure. <i>Environmental Microbiology</i> , 2006, 8, 1448-1459.	3.8	44
36	Local and landscape correlates of non-native species invasion in restored wetlands. <i>Ecography</i> , 2009, 32, 1031-1039.	4.5	42

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37	Drivers of cyanobacterial diversity and community composition in mangrove soils in south-east Brazil. <i>Environmental Microbiology</i> , 2013, 15, 1103-1114.	3.8	38
38	Temporal Patterns in Glycolate-Utilizing Bacterial Community Composition Correlate with Phytoplankton Population Dynamics in Humic Lakes. <i>Microbial Ecology</i> , 2010, 60, 406-418.	2.8	37
39	Snake fungal disease alters skin bacterial and fungal diversity in an endangered rattlesnake. <i>Scientific Reports</i> , 2018, 8, 12147.	3.3	35
40	Microtopographic differences in soil properties and microbial community composition at the field scale. <i>Soil Biology and Biochemistry</i> , 2019, 131, 71-80.	8.8	32
41	Moisture effects on gas-phase biofilter ammonia removal efficiency, nitrous oxide generation, and microbial communities. <i>Journal of Hazardous Materials</i> , 2014, 271, 292-301.	12.4	29
42	Echoes of a flood pulse: short-term effects of record flooding of the Illinois River on floodplain lakes under ecological restoration. <i>Hydrobiologia</i> , 2017, 804, 151-175.	2.0	29
43	Impacts of directed evolution and soil management legacy on the maize rhizobiome. <i>Soil Biology and Biochemistry</i> , 2020, 145, 107794.	8.8	22
44	Seasonal Patterns in Microbial Community Composition in Denitrifying Bioreactors Treating Subsurface Agricultural Drainage. <i>Microbial Ecology</i> , 2015, 70, 710-723.	2.8	21
45	Microbial functional genes commonly respond to elevated carbon dioxide. <i>Environment International</i> , 2020, 144, 106068.	10.0	20
46	Phytoplankton succession affects the composition of <i>Polynucleobacter</i> subtypes in humic lakes. <i>Environmental Microbiology</i> , 2015, 17, 816-828.	3.8	18
47	Micromanaging the nitrogen cycle in agroecosystems. <i>Trends in Microbiology</i> , 2022, 30, 1045-1055.	7.7	18
48	Environmental Factors at Dissimilar Spatial Scales Influence Plant and Microbial Communities in Restored Wetlands. <i>Wetlands</i> , 2012, 32, 1125-1134.	1.5	17
49	Habitat Specialization Along a Wetland Moisture Gradient Differs Between Ammonia-oxidizing and Denitrifying Microorganisms. <i>Microbial Ecology</i> , 2014, 68, 339-350.	2.8	16
50	Abiotic correlates of microbial community structure and nitrogen cycling functions vary within wetlands. <i>Freshwater Science</i> , 2016, 35, 573-588.	1.8	16
51	Spatial Variation in the Bacterial and Denitrifying Bacterial Community in a Biofilter Treating Subsurface Agricultural Drainage. <i>Microbial Ecology</i> , 2014, 67, 265-272.	2.8	15
52	EVALUATION OF HEALTH PARAMETERS IN COWNOSE RAYS ( <i>RHINOPTERA BONASUS</i> ) HOUSED IN A SEASONAL TOUCH POOL HABITAT COMPARED WITH AN OFF-EXHIBIT HABITAT. <i>Journal of Zoo and Wildlife Medicine</i> , 2017, 48, 954-960.	0.6	15
53	Influence of rye cover cropping on denitrification potential and year-round field N <sub>2</sub> O emissions. <i>Science of the Total Environment</i> , 2021, 765, 144295.	8.0	15
54	A social-ecological framework for "micromanaging" microbial services. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 524-531.	4.0	14

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55	Temporal assessment of microbial communities in soils of two contrasting mangroves. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 87-96.	2.0	14
56	Direct and contextâ€dependent effects of light, temperature, and phytoplankton shape bacterial community composition. <i>Ecosphere</i> , 2017, 8, e01948.	2.2	13
57	A Transposable Partitioning Locus Used To Stabilize Plasmid-Borne Hydrogen Oxidation and Trifolitoxin Production Genes in a <i>Sinorhizobium</i> Strain. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1657-1662.	3.1	13
58	Diversity and succession of pelagic microorganism communities in a newly restored Illinois River floodplain lake. <i>Hydrobiologia</i> , 2017, 804, 35-58.	2.0	12
59	Denitrifying Bioreactors Resist Disturbance from Fluctuating Water Levels. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	10
60	Contamination issues in a continuous ethanol production corn wet milling facility. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 891-898.	3.6	9
61	Bioenergy Underground: Challenges and opportunities for phenotyping roots and the microbiome for sustainable bioenergy crop production. <i>The Plant Phenome Journal</i> , 2022, 5, .	2.0	9
62	Temporal succession of putative glycolate-utilizing bacterioplankton tracks changes in dissolved organic matter in a high-elevation lake. <i>FEMS Microbiology Ecology</i> , 2013, 83, 541-551.	2.7	8
63	Impact of the contemporary environment on denitrifying bacterial communities. <i>Ecological Engineering</i> , 2015, 82, 469-473.	3.6	8
64	Edaphic correlates of feedstockâ€associated diazotroph communities. <i>GCB Bioenergy</i> , 2018, 10, 343-352.	5.6	7
65	Intraâ€and interâ€annual variability of nitrification in the rhizosphere of fieldâ€grown bioenergy sorghum. <i>GCB Bioenergy</i> , 2022, 14, 393-410.	5.6	6
66	N-Cycling Microbiome Recruitment Differences Between Modern andÂWild <i>Zea mays</i>. <i>Phytobiomes Journal</i> , 2022, 6, 151-160.	2.7	5
67	Degraded Water Quality Influences Microbial Community Composition and Perception of Health Risks in the Chattooga River. <i>DNA and Cell Biology</i> , 2010, 29, 509-517.	1.9	4
68	Microbial community modeling using reliability theory. <i>ISME Journal</i> , 2016, 10, 1809-1814.	9.8	4
69	Long Term Influence of Fertility and Rotation on Soil Nitrification Potential and Nitrifier Communities. <i>Frontiers in Soil Science</i> , 2022, 2, .	2.2	4
70	Herbivory Protection via Volatile Organic Compounds Is Influenced by Maize Genotype, Not <i>Bacillus altitudinis</i> -Enriched Bacterial Communities. <i>Frontiers in Microbiology</i> , 2022, 13, 826635.	3.5	4
71	Characterization of Microorganisms Contributing to Denitrification in Tile Drain Biofilters in Illinois. , 2008, , .		3
72	Microbial assemblages and methanogenesis pathways impact methane production and foaming in manure deep-pit storages. <i>PLoS ONE</i> , 2021, 16, e0254730.	2.5	2

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73	Significant Yield Increase in <i>Phaseolus vulgaris</i> Obtained by Inoculation with a Trifolixin-producing, Hup <sup>+</sup> Strain of <i>Rhizobium leguminosarum</i> bv. phaseoli. Crop Management, 2004, 3, 1-5.	0.3	2
74	Spatial synchrony in microbial community dynamics: testing among-year and lake patterns. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2009, 30, 936-940.	0.1	1
75	Microbial Community Patterns in Tile Drain Biofilters in Illinois. , 2010, , .		1
76	Development of a STELLA framework to model microbial communities in humic lakes in Wisconsin. , 2007, , .		0
77	Design of Soil Carbon Models Informed by a Soil Column Experiment. , 2011, , .		0
78	Effects of alder- and salmon-derived nutrients on aquatic bacterial community structure and microbial community metabolism in subarctic lakes. Oecologia, 0, , .	2.0	0