

Jessica L Green

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

12,849
citations

66343

42
h-index

197818

49
g-index

53
all docs

53
docs citations

53
times ranked

17475
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial biogeography: putting microorganisms on the map. <i>Nature Reviews Microbiology</i> , 2006, 4, 102-112.	28.6	2,434
2	Species abundance distributions: moving beyond single prediction theories to integration within an ecological framework. <i>Ecology Letters</i> , 2007, 10, 995-1015.	6.4	1,124
3	The role of ecological theory in microbial ecology. <i>Nature Reviews Microbiology</i> , 2007, 5, 384-392.	28.6	796
4	Microbes on mountainsides: Contrasting elevational patterns of bacterial and plant diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11505-11511.	7.1	758
5	American Gut: an Open Platform for Citizen Science Microbiome Research. <i>MSystems</i> , 2018, 3, .	3.8	604
6	A latitudinal diversity gradient in planktonic marine bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7774-7778.	7.1	599
7	Microbial Biogeography: From Taxonomy to Traits. <i>Science</i> , 2008, 320, 1039-1043.	12.6	534
8	Spatial scaling of microbial eukaryote diversity. <i>Nature</i> , 2004, 432, 747-750.	27.8	526
9	Relationships between phyllosphere bacterial communities and plant functional traits in a neotropical forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13715-13720.	7.1	457
10	Incorporating 16S Gene Copy Number Information Improves Estimates of Microbial Diversity and Abundance. <i>PLoS Computational Biology</i> , 2012, 8, e1002743.	3.2	400
11	Architectural design influences the diversity and structure of the built environment microbiome. <i>ISME Journal</i> , 2012, 6, 1469-1479.	9.8	386
12	A general framework for the distanceâ€“decay of similarity in ecological communities. <i>Ecology Letters</i> , 2008, 11, 904-917.	6.4	312
13	Biodiversity and biogeography of the atmosphere. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3645-3653.	4.0	262
14	A COMPARISON OF TAXON CO-OCCURRENCE PATTERNS FOR MACRO- AND MICROORGANISMS. <i>Ecology</i> , 2007, 88, 1345-1353.	3.2	223
15	Global marine bacterial diversity peaks at high latitudes in winter. <i>ISME Journal</i> , 2013, 7, 1669-1677.	9.8	195
16	On Theory in Ecology. <i>BioScience</i> , 2014, 64, 701-710.	4.9	195
17	Humans differ in their personal microbial cloud. <i>PeerJ</i> , 2015, 3, e1258.	2.0	194
18	Spatial patterns of phylogenetic diversity. <i>Ecology Letters</i> , 2011, 14, 141-149.	6.4	171

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19	Architectural Design Drives the Biogeography of Indoor Bacterial Communities. PLoS ONE, 2014, 9, e87093.	2.5	166
20	Global-Scale Structure of the Eelgrass Microbiome. Applied and Environmental Microbiology, 2017, 83, .	3.1	147
21	Ten questions concerning the microbiomes of buildings. Building and Environment, 2016, 109, 224-234.	6.9	143
22	Urban greenness influences airborne bacterial community composition. Science of the Total Environment, 2016, 571, 680-687.	8.0	137
23	Mobile phones carry the personal microbiome of their owners. PeerJ, 2014, 2, e447.	2.0	136
24	Bacterial communities on classroom surfaces vary with human contact. Microbiome, 2014, 2, 7.	11.1	129
25	A statistical theory for sampling species abundances. Ecology Letters, 2007, 10, 1037-1045.	6.4	126
26	Antimicrobial Chemicals Are Associated with Elevated Antibiotic Resistance Genes in the Indoor Dust Microbiome. Environmental Science & Technology, 2016, 50, 9807-9815.	10.0	125
27	Toward a Predictive Understanding of Earth's Microbiomes to Address 21st Century Challenges. MBio, 2016, 7, .	4.1	124
28	Complexity in Ecology and Conservation: Mathematical, Statistical, and Computational Challenges. BioScience, 2005, 55, 501.	4.9	115
29	Climate change and extinction risk. Nature, 2004, 430, 34-34.	27.8	111
30	Field theory for biogeography: a spatially explicit model for predicting patterns of biodiversity. Ecology Letters, 2010, 13, 87-95.	6.4	110
31	Urban Transit System Microbial Communities Differ by Surface Type and Interaction with Humans and the Environment. MSystems, 2016, 1, .	3.8	107
32	The Phylogenetic Diversity of Metagenomes. PLoS ONE, 2011, 6, e23214.	2.5	83
33	ENDEMIC AREA RELATIONSHIPS: THE INFLUENCE OF SPECIES DOMINANCE AND SPATIAL AGGREGATION. Ecology, 2003, 84, 3090-3097.	3.2	82
34	Molecular Evidence for Metabolically Active Bacteria in the Atmosphere. Frontiers in Microbiology, 2016, 7, 772.	3.5	82
35	A THEORY OF SPATIAL STRUCTURE IN ECOLOGICAL COMMUNITIES AT MULTIPLE SPATIAL SCALES. Ecological Monographs, 2005, 75, 179-197.	5.4	81
36	Taking species abundance distributions beyond individuals. Ecology Letters, 2009, 12, 488-501.	6.4	80

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37	Significant changes in the skin microbiome mediated by the sport of roller derby. PeerJ, 2013, 1, e53.	2.0	75
38	PhylOTU: A High-Throughput Procedure Quantifies Microbial Community Diversity and Resolves Novel Taxa from Metagenomic Data. PLoS Computational Biology, 2011, 7, e1001061.	3.2	73
39	Antimicrobial Chemicals Associate with Microbial Function and Antibiotic Resistance Indoors. MSystems, 2018, 3, .	3.8	63
40	Daylight exposure modulates bacterial communities associated with household dust. Microbiome, 2018, 6, 175.	11.1	62
41	Phylogenetic Diversity Theory Sheds Light on the Structure of Microbial Communities. PLoS Computational Biology, 2012, 8, e1002832.	3.2	56
42	Species richness, endemism, and abundance patterns: tests of two fractal models in a serpentine grassland. Ecology Letters, 2003, 6, 919-928.	6.4	51
43	Cleanliness in context: reconciling hygiene with a modern microbial perspective. Microbiome, 2017, 5, 76.	11.1	42
44	Spatiotemporal Controls on the Urban Aerobiome. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	37
45	Finite Size Scaling in Ecology. Physical Review Letters, 1999, 83, 4212-4214.	7.8	34
46	Can bioinformed design promote healthy indoor ecosystems?. Indoor Air, 2014, 24, 113-115.	4.3	27
47	Self-Similarity, the Power Law Form of the Species-Area Relationship, and a Probability Rule: A Reply to Maddux. American Naturalist, 2004, 163, 627-633.	2.1	22
48	Incipient criticality in ecological communities. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18714-18717.	7.1	13
49	The Biogeography of Putative Microbial Antibiotic Production. PLoS ONE, 2015, 10, e0130659.	2.5	13