

# PERMANOVA, ANOSIM, and the Mantel test in the face of a null hypothesis: are you testing?

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Noma Affected Children from Niger Have Distinct Oral Microbial Communities Based on High-Throughput Sequencing of 16S rRNA Gene Fragments. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3240.	1.3	14
2	Phylogeny and phylogeography of functional genes shared among seven terrestrial subsurface metagenomes reveal N-cycling and microbial evolutionary relationships. <i>Frontiers in Microbiology</i> , 2014, 5, 531.	1.5	87
3	Demonstrating microbial co-occurrence pattern analyses within and between ecosystems. <i>Frontiers in Microbiology</i> , 2014, 5, 358.	1.5	302
4	Does wave exposure determine the interactive effects of losing key grazers and ecosystem engineers?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 461, 416-424.	0.7	14
5	Assessing the erect bryozoan <i>Myriapora truncata</i> (Pallas, 1766) as indicator of recreational diving impact on coralligenous reef communities. <i>Ecological Indicators</i> , 2014, 46, 193-200.	2.6	18
6	Silent fish surveys: bubble-free diving highlights inaccuracies associated with SCUBA-based surveys in heavily fished areas. <i>Methods in Ecology and Evolution</i> , 2014, 5, 1061-1069.	2.2	89
7	Carbon stocks in temperate forests of south-eastern Australia reflect large tree distribution and edaphic conditions. <i>Forest Ecology and Management</i> , 2014, 334, 129-143.	1.4	49
8	Animal personality in a foundation species drives community divergence and collapse in the wild. <i>Journal of Animal Ecology</i> , 2015, 84, 1461-1468.	1.3	28
9	Spatially Heterogeneous Perturbations Homogenize the Regulation of Insect Herbivores. <i>American Naturalist</i> , 2015, 186, 623-633.	1.0	15
10	A framework for quantifying the magnitude and variability of community responses to global change drivers. <i>Ecosphere</i> , 2015, 6, 1-14.	1.0	51
11	Neotropical dragonflies ( <i>Isonychia</i> ) as indicators of ecological condition of small streams in the eastern Amazon. <i>Austral Ecology</i> , 2015, 40, 733-744.	0.7	114
12	Not all non-natives are equally unequal: reductions in herbivore diversity depend on phylogenetic similarity to native plant community. <i>Ecology Letters</i> , 2015, 18, 1087-1098.	3.0	32
13	Warming reduces the cover and diversity of biocrust-forming mosses and lichens, and increases the physiological stress of soil microbial communities in a semi-arid <i>Pinus halepensis</i> plantation. <i>Frontiers in Microbiology</i> , 2015, 6, 865.	1.5	58
14	Responses of epiphytic aquatic macroinvertebrates to hypoxia. <i>Inland Waters</i> , 2015, 5, 75-80.	1.1	3
15	Parental efforts of an Arctic seabird, the little auk ( <i>Alle alle</i> ), under variable foraging conditions. <i>Marine Biology Research</i> , 2015, 11, 349-360.	0.3	30
16	Macrofauna communities of tidal channels in Jade Bay (German Wadden Sea): spatial patterns, relationships with environmental characteristics, and comparative aspects. <i>Marine Biodiversity</i> , 2015, 45, 841-855.	0.3	25
17	Shrub-nesting birds in urban habitats: their abundance and association with vegetation. <i>Urban Ecosystems</i> , 2015, 18, 871-884.	1.1	12
18	Measures of precision for dissimilarity-based multivariate analysis of ecological communities. <i>Ecology Letters</i> , 2015, 18, 66-73.	3.0	78

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19	Cover-Crop Species as Distinct Biotic Filters in Weed Community Assembly. <i>Weed Science</i> , 2015, 63, 282-295.	0.8	40
20	Seasonal differences and response to a tropical storm reflected in diatom assemblage changes in a southwest Florida watershed. <i>Ecological Indicators</i> , 2015, 57, 139-148.	2.6	7
21	Land management impacts on tree hole invertebrate communities in a Neotropical rainforest. <i>Journal of Insect Conservation</i> , 2015, 19, 681-690.	0.8	6
22	Stepwise evolution of Paleozoic tracheophytes from South China: Contrasting leaf disparity and taxic diversity. <i>Earth-Science Reviews</i> , 2015, 148, 77-93.	4.0	25
23	Exploring yellow perch diets in Lake Michigan through stomach content, fatty acids, and stable isotope ratios. <i>Journal of Great Lakes Research</i> , 2015, 41, 172-178.	0.8	39
24	Soil-vegetation type, stem density and species richness influence biomass of restored woodland in south-western Australia. <i>Forest Ecology and Management</i> , 2015, 344, 53-62.	1.4	12
25	The influence of fire-coral colony size and agonistic behaviour of territorial damselfish on associated coral reef fish communities. <i>Marine Environmental Research</i> , 2015, 108, 45-54.	1.1	16
26	Abundance and diversity of gastropods associated with dominant subtidal macroalgae from the western Antarctic Peninsula. <i>Polar Biology</i> , 2015, 38, 1171-1181.	0.5	27
27	Aquaculture Disturbance Impacts the Diet but not Ecological Linkages of a Ubiquitous Predatory Fish. <i>Estuaries and Coasts</i> , 2015, 38, 1520-1534.	1.0	9
28	Supplementary feeding restructures urban bird communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2648-57.	3.3	147
29	Rat eradication and the resistance and resilience of passerine bird assemblages in the Falkland Islands. <i>Journal of Animal Ecology</i> , 2015, 84, 755-764.	1.3	10
30	Dietary analysis on the shallow-water hydrothermal vent crab <i>Xenograpsus testudinatus</i> using Illumina sequencing. <i>Marine Biology</i> , 2015, 162, 1787-1798.	0.7	21
31	Short and long-term effects of hydraulic dredging on benthic communities and ocean quahog ( <i>Arctica islandica</i> ) populations. <i>Marine Environmental Research</i> , 2015, 109, 113-123.	1.1	13
32	Relocation, high-latitude warming and host genetic identity shape the foliar fungal microbiome of poplars. <i>Molecular Ecology</i> , 2015, 24, 235-248.	2.0	125
33	Seed dispersal limitations shift over time in tropical forest restoration. <i>Ecological Applications</i> , 2015, 25, 1072-1082.	1.8	108
34	Biogeographic Variation in Host Range Phenotypes and Taxonomic Composition of Marine Cyanophage Isolates. <i>Frontiers in Microbiology</i> , 2016, 7, 983.	1.5	26
35	How Do Urban Forests Compare? Tree Diversity in Urban and Periurban Forests of the Southeastern US. <i>Forests</i> , 2016, 7, 120.	0.9	39
36	Household air pollution and the lung microbiome of healthy adults in Malawi: a cross-sectional study. <i>BMC Microbiology</i> , 2016, 16, 182.	1.3	49

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37	Microbes on a Bottle: Substrate, Season and Geography Influence Community Composition of Microbes Colonizing Marine Plastic Debris. <i>PLoS ONE</i> , 2016, 11, e0159289.	1.1	403
38	Demographic Costs Associated with Differences in Habitat Space Occupancy. <i>PLoS ONE</i> , 2016, 11, e0165472.	1.1	1
39	Microbial ecology of the salmon necrobiome: evidence salmon carrion decomposition influences aquatic and terrestrial insect microbiomes. <i>Environmental Microbiology</i> , 2016, 18, 1511-1522.	1.8	86
40	Experimental simulation of pollinator decline causes community-wide reductions in seedling diversity and abundance. <i>Ecology</i> , 2016, 97, 1420-1430.	1.5	24
41	On-farm habitat restoration counters biotic homogenization in intensively managed agriculture. <i>Global Change Biology</i> , 2016, 22, 704-715.	4.2	113
42	Host associations and beta diversity of fungal endophyte communities in New Guinea rainforest trees. <i>Molecular Ecology</i> , 2016, 25, 825-841.	2.0	113
43	Bolstered physical defences under nutrient-enriched conditions may facilitate a secondary foundational algal species in the South Pacific. <i>Journal of Ecology</i> , 2016, 104, 646-653.	1.9	17
44	Vertical stratification of beetles in tropical rainforests as sampled by light traps in North Queensland, Australia. <i>Austral Ecology</i> , 2016, 41, 168-178.	0.7	15
45	Long-lasting effects of land use history on soil fungal communities in secondary growth tropical rain forests. <i>Ecological Applications</i> , 2016, 26, 1881-1895.	1.8	64
46	Temporal variability of a single population can determine the vulnerability of communities to perturbations. <i>Journal of Ecology</i> , 2016, 104, 887-897.	1.9	23
47	Massive structural redundancies in species composition patterns of floodplain forest moths. <i>Ecography</i> , 2016, 39, 253-260.	2.1	10
48	Soil Microbial Forensics. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	8
49	Does stream flow structure woody riparian vegetation in subtropical catchments?. <i>Ecology and Evolution</i> , 2016, 6, 5950-5963.	0.8	16
50	Effects of cyclone-generated disturbance on a tropical reef foraminifera assemblage. <i>Scientific Reports</i> , 2016, 6, 24846.	1.6	8
51	Fatty Acids of Densely Packed Embryos of <i>Carcinus maenas</i> Reveal Homogeneous Maternal Provisioning and No Within-Brood Variation at Hatching. <i>Biological Bulletin</i> , 2016, 230, 120-129.	0.7	3
52	Effect of angling intensity on feeding behaviour and community structure of subtropical reef-associated fishes. <i>Marine Biology</i> , 2016, 163, 1.	0.7	8
53	Laboratory-based techniques for assessing the functional traits of biofilms. <i>Plant and Soil</i> , 2016, 406, 131-143.	1.8	32
54	The Baltic Sea scale inventory of benthic faunal communities. <i>ICES Journal of Marine Science</i> , 2016, 73, 1196-1213.	1.2	71

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55	Fish reduce anuran abundance and decrease herpetofaunal species richness in wetlands. <i>Freshwater Biology</i> , 2016, 61, 100-109.	1.2	18
56	Insect assemblages associated with the exotic riparian shrub Russian olive ( <i>Elaeagnaceae</i> ), and co-occurring native shrubs in British Columbia, Canada. <i>Canadian Entomologist</i> , 2016, 148, 316-328.	0.4	2
57	Comparison of <i>Varroa destructor</i> and Worker Honeybee Microbiota Within Hives Indicates Shared Bacteria. <i>Microbial Ecology</i> , 2016, 72, 448-459.	1.4	26
58	Assessment of Bacterial Communities in Thirteen Species of Laboratory-Cultured Domestic Mites ( <i>Acari: Acaridida</i> ). <i>Journal of Economic Entomology</i> , 2016, 109, 1887-1896.	0.8	32
59	Exchangeable cations in deep forest soils: Separating climate and chemical controls on spatial and vertical distribution and cycling. <i>Geoderma</i> , 2016, 279, 109-121.	2.3	12
60	Comprehensive microbiome analysis of tonsillar crypts in IgA nephropathy. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, gfw343.	0.4	40
61	Changes in the intestinal bacterial community, short-chain fatty acid profile, and intestinal development of preweaned Holstein calves. 2. Effects of gastrointestinal site and age. <i>Journal of Dairy Science</i> , 2016, 99, 9703-9715.	1.4	51
62	Changes in the intestinal bacterial community, short-chain fatty acid profile, and intestinal development of preweaned Holstein calves. 1. Effects of prebiotic supplementation depend on site and age. <i>Journal of Dairy Science</i> , 2016, 99, 9682-9702.	1.4	28
63	Weed communities of rain-fed lowland rice vary with infestation by <i>Rhamphicarpa fistulosa</i> . <i>Acta Oecologica</i> , 2016, 77, 85-90.	0.5	8
64	Comparing the utility of fishery-independent and fishery-dependent methods in assessing the relative abundance of estuarine fish species in partial protection areas. <i>Fisheries Management and Ecology</i> , 2016, 23, 390-406.	1.0	7
65	Trophic positioning of meiofauna revealed by stable isotopes and food web analyses. <i>Ecology</i> , 2016, 97, 3099-3109.	1.5	34
66	Effects of host genetics and environment on egg-associated microbiotas in brown trout ( <i>Salmo trutta</i> ). <i>Open Access Journal of Biology</i> , 2016, 10, 1-10.	0.2	28
67	Community ecological modelling as an alternative to physiographic classifications for marine conservation planning. <i>Biodiversity and Conservation</i> , 2016, 25, 1899-1920.	1.2	12
68	Dietary opportunism, resource partitioning, and consumption of coffee berry borers by five species of migratory wood warblers ( <i>Parulidae</i> ) wintering in Jamaican shade coffee plantations. <i>Journal of Field Ornithology</i> , 2016, 87, 273-292.	0.3	29
69	Diversity distribution of saproxylic beetles in Chilean Mediterranean forests: influence of spatiotemporal heterogeneity and perturbation. <i>Journal of Insect Conservation</i> , 2016, 20, 723-736.	0.8	15
70	Decoupling function and taxonomy in the global ocean microbiome. <i>Science</i> , 2016, 353, 1272-1277.	6.0	2,001
71	Equivalent numbers for species, phylogenetic or functional diversity in a nested hierarchy of multiple scales. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1152-1163.	2.2	30
72	Health environmental assessment of the coral reef-supporting Tamandaré Bay (NE, Brazil). <i>Marine Micropaleontology</i> , 2016, 127, 63-73.	0.5	5

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73	Dynamics of dental evolution in ornithopod dinosaurs. <i>Scientific Reports</i> , 2016, 6, 28904.	1.6	20
74	New records of cold-water coral sites and fish fauna characterization of a potential network existing in the Mediterranean Sea. <i>Marine Ecology</i> , 2016, 37, 1398-1422.	0.4	42
75	Spatial synchrony of wader populations in inland lakes of the Iberian Peninsula. <i>Ecological Research</i> , 2016, 31, 947-956.	0.7	5
76	Changes in microbial community composition in the leaf litter of successional communities after volcanic eruptions of Mount Usu, northern Japan. <i>Journal of Mountain Science</i> , 2016, 13, 1652-1662.	0.8	8
77	Reduced aboveground tree growth associated with higher arbuscular mycorrhizal fungal diversity in tropical forest restoration. <i>Ecology and Evolution</i> , 2016, 6, 7253-7262.	0.8	17
78	Opportunities for biodiversity gains under the world's largest reforestation programme. <i>Nature Communications</i> , 2016, 7, 12717.	5.8	230
79	Land use change in the Amazon rain forest favours generalist fungi. <i>Functional Ecology</i> , 2016, 30, 1845-1853.	1.7	58
80	Aquatic insect diversity is not dependent on elevation in Southern Rocky Mountain streams. <i>Freshwater Biology</i> , 2016, 61, 195-205.	1.2	23
81	Trophic biology and migratory patterns of sympatric Dolly Varden ( <i>Salvelinus malma</i> ) and Arctic char ( <i>Salvelinus alpinus</i> ). <i>Canadian Journal of Zoology</i> , 2016, 94, 529-539.	0.4	6
82	Reopening of a Remote Tidal Inlet Increases Recruitment of Estuarine-Dependent Nekton. <i>Estuaries and Coasts</i> , 2016, 39, 1769-1784.	1.0	10
83	Soil properties, seasonality and crop growth stage exert a stronger effect on rhizosphere prokaryotes than the fungal biocontrol agent <i>Fusarium oxysporum</i> f.sp. <i>strigae</i> . <i>Applied Soil Ecology</i> , 2016, 105, 126-136.	2.1	10
84	Woody species composition in an African savanna: determined by centuries of termite activity but modulated by 50 years of ungulate herbivory. <i>Journal of Vegetation Science</i> , 2016, 27, 824-833.	1.1	25
85	Caribbean yellow band disease compromises the activity of catalase and glutathione S-transferase in the reef-building coral <i>Orbicella faveolata</i> exposed to anthracene. <i>Diseases of Aquatic Organisms</i> , 2016, 119, 153-161.	0.5	14
86	Millions of reads, thousands of taxa: microbial community structure and associations analyzed via marker genes. <i>FEMS Microbiology Reviews</i> , 2016, 40, 686-700.	3.9	159
87	Variation in macrofaunal communities of sea grass beds along a pollution gradient in Bolinao, northwestern Philippines. <i>Marine Pollution Bulletin</i> , 2016, 105, 310-318.	2.3	13
88	Is there an ideal protocol for sampling macroinvertebrates in springs?. <i>Journal of Freshwater Ecology</i> , 2016, 31, 199-209.	0.5	7
89	Small Mammal Communities in Eastern Redcedar Forest. <i>American Midland Naturalist</i> , 2016, 175, 113-119.	0.2	2
90	Impact of offshore gas platforms on the structural and functional biodiversity of nematodes. <i>Marine Environmental Research</i> , 2016, 115, 56-64.	1.1	13

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91	Effect of Advanced HIV Infection on the Respiratory Microbiome. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 226-235.	2.5	83
92	Restoring degraded European native oyster, <i>Ostrea edulis</i> , habitat: is there a case for harrowing?. Hydrobiologia, 2016, 768, 151-165.	1.0	19
93	Relationships between hydroperiod length, and seasonal and spatial patterns of beta-diversity of the microcrustacean assemblages in Mediterranean ponds. Hydrobiologia, 2016, 774, 109-121.	1.0	20
94	Global diversity and biogeography of deep-sea pelagic prokaryotes. ISME Journal, 2016, 10, 596-608.	4.4	191
95	Difference in the trophic structure of fish communities between artificial and natural habitats in a tropical estuary. Marine and Freshwater Research, 2017, 68, 473.	0.7	10
96	Marine litter on deep Arctic seafloor continues to increase and spreads to the North at the HAUSGARTEN observatory. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 120, 88-99.	0.6	148
97	Temperate macroalgae impacts tropical fish recruitment at forefronts of range expansion. Coral Reefs, 2017, 36, 639-651.	0.9	14
98	Experimental Manipulation Shows a Greater Influence of Population than Dietary Perturbation on the Microbiome of <i>Tyrophagus putrescentiae</i> . Applied and Environmental Microbiology, 2017, 83, .	1.4	17
99	Some solutions to the multivariate Behrensâ€Fisher problem for dissimilarityâ€based analyses. Australian and New Zealand Journal of Statistics, 2017, 59, 57-79.	0.4	51
100	Normalization and microbial differential abundance strategies depend upon data characteristics. Microbiome, 2017, 5, 27.	4.9	1,434
101	Divergent Relationships between Fecal Microbiota and Metabolome following Distinct Antibiotic-Induced Disruptions. MSphere, 2017, 2, .	1.3	31
102	Disturbance by an endemic rodent in an arid shrubland is a habitat filter: effects on plant invasion and taxonomical, functional and phylogenetic community structure. Annals of Botany, 2017, 119, mcw258.	1.4	9
103	Whole-Genome Sequencing of Drug-Resistant <i>Salmonella enterica</i> Isolates from Dairy Cattle and Humans in New York and Washington States Reveals Source and Geographic Associations. Applied and Environmental Microbiology, 2017, 83, .	1.4	89
104	Long-term effects of a <i>Phragmites australis</i> invasion on birds in a Lake Erie coastal marsh. Journal of Great Lakes Research, 2017, 43, 141-149.	0.8	39
105	Functional structure of the bromeliad tank microbiome is strongly shaped by local geochemical conditions. Environmental Microbiology, 2017, 19, 3132-3151.	1.8	58
106	Comparison of bacterial microbiota of the predatory mite <i>Neoseiulus cucumeris</i> (Acari: Phytoseiidae) and its factitious prey <i>Tyrophagus putrescentiae</i> (Acari: Acaridae). Scientific Reports, 2017, 7, 2.	1.6	126
107	An inter-catchment assessment of macroinvertebrate communities across groundwater-fed streams within Denali National Park, interior Alaska. Hydrobiologia, 2017, 785, 373-384.	1.0	6
108	Strong influences of a dominant, groundâ€nesting ant on recruitment, and establishment of ant colonies and communities. Biotropica, 2017, 49, 521-530.	0.8	10

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109	Does urbanization lead to taxonomic and functional homogenization in riparian forests?. Diversity and Distributions, 2017, 23, 828-840.	1.9	47
110	Forest continuity acts congruently with stand maturity in structuring the functional composition of saproxylic beetles. Biological Conservation, 2017, 205, 1-10.	1.9	46
111	A chemo-ecologistsâ€™ practical guide to compositional data analysis. Chemoecology, 2017, 27, 33-46.	0.6	60
112	Functional roles of an engineer species for coastal benthic invertebrates and demersal fish. Ecology and Evolution, 2017, 7, 5542-5559.	0.8	5
113	Mayfly assemblage structure of the Pantanal Mortesâ€™Araguaia flood plain. Marine and Freshwater Research, 2017, 68, 2156.	0.7	1
114	Macroinvertebrate Taxonomic and Functional Trait Compositions within Lotic Habitats Affected By River Restoration Practices. Environmental Management, 2017, 60, 513-525.	1.2	35
115	Environmental drivers of subalpine and alpine fen vegetation in the Southern Rocky Mountains, Colorado, USA. Plant Ecology, 2017, 218, 885-898.	0.7	5
116	Extending multivariate distance matrix regression with an effect size measure and the asymptotic null distribution of the test statistic. Psychometrika, 2017, 82, 1052-1077.	1.2	54
117	Coastal habitat and biological community response to dam removal on the Elwha River. Ecological Monographs, 2017, 87, 552-577.	2.4	46
118	Distance decay relationships in foliar fungal endophytes are driven by rare taxa. Environmental Microbiology, 2017, 19, 2794-2805.	1.8	51
119	Elements of metacommunity structure in Amazonian Zygoptera among streams under different spatial scales and environmental conditions. Ecology and Evolution, 2017, 7, 3190-3200.	0.8	42
120	Taxonomic and numerical sufficiency in depth- and salinity-controlled marine paleocommunities. Paleobiology, 2017, 43, 463-478.	1.3	5
121	Evidence for rapid, tide-related shifts in the microbiome of the coral <i>Coelastrea aspera</i> . Coral Reefs, 2017, 36, 815-828.	0.9	45
122	Cross-talk among metabolic parameters, esophageal microbiota, and host gene expression following chronic exposure to an obesogenic diet. Scientific Reports, 2017, 7, 45753.	1.6	24
123	Combining climatic and soil properties better predicts covers of Brazilian biomes. Die Naturwissenschaften, 2017, 104, 32.	0.6	38
124	Diet Composition and Foraging Habitat Use by Three Species of Water Snakes, <i>Helicops</i> Wagler, 1830, (Serpentes: Dipsadidae) in Eastern Brazilian Amazonia. Journal of Herpetology, 2017, 51, 215-222.	0.2	10
125	Classification of California streams using combined deductive and inductive approaches: Setting the foundation for analysis of hydrologic alteration. Ecohydrology, 2017, 10, e1802.	1.1	9
126	<i>Microchoerus hookeri</i> nov. sp., a new late Eocene European microchoerine (Omomyidae, Primates): New insights on the evolution of the genus <i>Microchoerus</i> . Journal of Human Evolution, 2017, 102, 42-66.	1.3	8



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127	Ecology and conservation of insectivorous bats in fragmented areas of macadamia production in eastern Australia. <i>Austral Ecology</i> , 2017, 42, 597-610.	0.7	5
128	Depth-stratified community structure of Beaufort Sea slope zooplankton and its relations to water masses. <i>Journal of Plankton Research</i> , 2017, 39, 79-91.	0.8	31
129	Assessing the long-term ecological effects of riparian management practices on headwater streams in a coastal temperate rainforest. <i>Forest Ecology and Management</i> , 2017, 384, 100-109.	1.4	26
131	Associations between acute gastrointestinal GvHD and the baseline gut microbiota of allogeneic hematopoietic stem cell transplant recipients and donors. <i>Bone Marrow Transplantation</i> , 2017, 52, 1643-1650.	1.3	63
132	Assessing potential limitations when characterising the epibiota of marine megafauna: Effect of gender, sampling location, and inter-annual variation on the epibiont communities of olive ridley sea turtles. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 71-77.	0.7	9
133	Does fish behaviour bias abundance and length information collected by baited underwater video?. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 143-151.	0.7	25
134	Response of Sediment Bacterial Communities to Sudden Vegetation Dieback in a Coastal Wetland. <i>Phytobiomes Journal</i> , 2017, 1, 5-13.	1.4	10
135	Fungal community homogenization, shift in dominant trophic guild, and appearance of novel taxa with biotic invasion. <i>Ecosphere</i> , 2017, 8, e01951.	1.0	82
136	Effects of a large wildfire on vegetation structure in a variable fire mosaic. <i>Ecological Applications</i> , 2017, 27, 2369-2381.	1.8	29
137	Assessing the potential for raw meat to influence human colonization with <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2017, 7, 10848.	1.6	14
138	The molecular basis of differential morphology and bleaching thresholds in two morphs of the coral <i>Pocillopora acuta</i> . <i>Scientific Reports</i> , 2017, 7, 10066.	1.6	14
139	Measuring the effects of reduced snow cover on Australia's alpine arthropods. <i>Austral Ecology</i> , 2017, 42, 844-857.	0.7	18
140	Estimating the impact of consumers in ecological communities: Manual removals identify the complex role of individual consumers in the Gulf of Maine. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 495, 89-102.	0.7	3
141	Influence of oil palm monoculture on the taxonomic and functional composition of aquatic insect communities in eastern Brazilian Amazonia. <i>Ecological Indicators</i> , 2017, 82, 478-483.	2.6	58
142	Fungal diversity in deep-sea sediments associated with asphalt seeps at the Sao Paulo Plateau. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 146, 59-67.	0.6	57
143	An Assessment of Mobile Predator Populations along Shallow and Mesophotic Depth Gradients in the Hawaiian Archipelago. <i>Scientific Reports</i> , 2017, 7, 3905.	1.6	25
144	Plant diversity, forest dependency, and alien plant invasions in tropical agricultural landscapes. <i>Biological Conservation</i> , 2017, 213, 234-242.	1.9	105
145	Resemblance profiles as clustering decision criteria: Estimating statistical power, error, and correspondence for a hypothesis test for multivariate structure. <i>Ecology and Evolution</i> , 2017, 7, 2039-2057.	0.8	5

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146	Ecological effects of the European barbel <i>Barbus barbus</i> (L., 1758) (Cyprinidae) invasion on native barbel populations in the Tiber River basin (Italy)., 2017, 84, 420-435.		20
147	Small-scale spatial variability in the distribution of ectomycorrhizal fungi affects plant performance and fungal diversity. <i>Ecology Letters</i> , 2017, 20, 1192-1202.	3.0	21
148	Ecosystem engineering by <i>Fascicularia bicolor</i> in the canopy of the South-American temperate rainforest. <i>Forest Ecology and Management</i> , 2017, 400, 417-428.	1.4	12
149	Forty years of change in Scottish grassland vegetation: Increased richness, decreased diversity and increased dominance. <i>Biological Conservation</i> , 2017, 212, 327-336.	1.9	33
150	Long-term trends in benthic invertebrate populations (1929–2013) in Lake Winnipeg. <i>Journal of Great Lakes Research</i> , 2017, 43, 938-952.	0.8	7
151	Local tropical forest restoration strategies affect tree recruitment more strongly than does landscape forest cover. <i>Journal of Applied Ecology</i> , 2017, 54, 1091-1099.	1.9	94
152	Changes in the Bacteriome of Honey Bees Associated with the Parasite <i>Varroa destructor</i> , and Pathogens <i>Nosema</i> and <i>Lotmaria passim</i> . <i>Microbial Ecology</i> , 2017, 73, 685-698.	1.4	55
153	Distinct biogeographical patterns of marine bacterial taxonomy and functional genes. <i>Global Ecology and Biogeography</i> , 2017, 26, 177-190.	2.7	65
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225	Pottery in Hellenistic tradition from ancient Bactria: The Kurganzol fortress (Uzbekistan, Central Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	0.2	3
226	Limited functional responses of plankton food webs in northern lakes following diamond mining. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 26-35.	0.7	7
227	Facultative paedomorphosis as a mechanism promoting intraspecific niche differentiation. <i>Oikos</i> , 2018, 127, 427-439.	1.2	17
228	Fighting talk: complex song elicits more aggressive responses in a vocally complex songbird. <i>Ibis</i> , 2018, 160, 257-268.	1.0	19
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263	Relative roles of environmental and spatial constraints in assemblages of Chironomidae (Diptera) in Amazonian floodplain streams. <i>Hydrobiologia</i> , 2018, 820, 201-213.	1.0	12
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293	Diverging response patterns of terrestrial and aquatic species to hydromorphological restoration. <i>Conservation Biology</i> , 2019, 33, 132-141.	2.4	18
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295	Reducing water use by alternate-furrow irrigation with livestock wastewater reduces antibiotic resistance gene abundance in the rhizosphere but not in the non-rhizosphere. <i>Science of the Total Environment</i> , 2019, 648, 12-24.	3.9	20
296	Genetic risk for autoimmunity is associated with distinct changes in the human gut microbiome. <i>Nature Communications</i> , 2019, 10, 3621.	5.8	132
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457	Similar mechanisms underlie beta diversity of bryophytes in two archipelagos with different isolation time. <i>Ecosphere</i> , 2020, 11, e03296.	1.0	2
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464	Local Conditions Influence the Prokaryotic Communities Associated With the Mesophotic Black Coral <i>Antipathella subpinnata</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 537813.	1.5	14
465	Strong effects of lab-to-field environmental transitions on the bacterial intestinal microbiota of <i>Mus musculus</i> are modulated by <i>Trichuris muris</i> infection. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	17
466	Islands in the sand: are all hypolithic microbial communities the same?. <i>FEMS Microbiology Ecology</i> , 2020, 97, .	1.3	4
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468	Ecological regime shift preserved in the Anthropocene stratigraphic record. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200695.	1.2	23
469	Influences of claywater and greenwater on the skin microbiome of cultured larval sablefish ( <i>Anoplopoma fimbria</i> ). <i>Animal Microbiome</i> , 2020, 2, 27.	1.5	5
470	Elevated Magnesium Concentrations Altered Freshwater Assemblage Structures in a Mesocosm Experiment. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1973-1987.	2.2	10
471	Stem Endophytic Mycobiota in Wild and Domesticated Wheat: Structural Differences and Hidden Resources for Wheat Improvement. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 180.	1.5	19
472	Twentieth-century emergence of antimicrobial resistant human- and bovine-associated <i>Salmonella enterica</i> serotype Typhimurium lineages in New York State. <i>Scientific Reports</i> , 2020, 10, 14428.	1.6	10
473	Experiments determining if habitat mosaics include the refugia from succession theorized to promote species coexistence. <i>Oecologia</i> , 2020, 194, 193-204.	0.9	1

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475	First records of contemporary testate amoeba assemblages from the Kamchatka Peninsula, Russia and potential for palaeoenvironmental reconstruction. <i>Boreas</i> , 2020, , .	1.2	5
476	State of art and best practices for fatty acid analysis in aquatic sciences. <i>ICES Journal of Marine Science</i> , 2020, 77, 2375-2395.	1.2	32
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478	Airborne Bacteria in Outdoor Air and Air of Mechanically Ventilated Buildings at City Scale in Hong Kong across Seasons. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11732-11743.	4.6	25
479	Interactions between genetics and environment shape <i>Camelina</i> seed oil composition. <i>BMC Plant Biology</i> , 2020, 20, 423.	1.6	22
480	The lacrimal/ectethmoid region of waterfowl ( <i>Aves</i> , <i>Anseriformes</i> ): Phylogenetic signal and major evolutionary patterns. <i>Journal of Morphology</i> , 2020, 281, 1486-1500.	0.6	3
481	<i>Saccharomyces cerevisiae</i> Strain Diversity Associated with Spontaneous Fermentations in Organic Wineries from Galicia (NW Spain). <i>Fermentation</i> , 2020, 6, 89.	1.4	10
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488	Vaginal Microbiota Is Stable throughout the Estrous Cycle in Arabian Mares. <i>Animals</i> , 2020, 10, 2020.	1.0	27
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490	Differential eco-physiological performances of two pseudocryptic species of the <i>Eurytemora affinis</i> complex (Copepoda, Calanoida) in the St. Lawrence estuarine transition zone: a reciprocal transplant experiment. <i>Crustaceana</i> , 2020, 93, 379-404.	0.1	0
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493	Meal Regularity Plays a Role in Shaping the Saliva Microbiota. <i>Frontiers in Microbiology</i> , 2020, 11, 757.	1.5	5
494	Detect coastal disturbances and climate change effects in coralligenous community through sentinel stations. <i>PLoS ONE</i> , 2020, 15, e0231641.	1.1	12
495	Plant litter amendments in restored wetland soils altered microbial communities more than clay additions. <i>Soil Biology and Biochemistry</i> , 2020, 147, 107846.	4.2	9
496	Soil prokaryotes are associated with decreasing <i>Fusarium oxysporum</i> density during anaerobic soil disinfestation in the tomato field. <i>Applied Soil Ecology</i> , 2020, 155, 103632.	2.1	9
497	Straw chemistry links the assembly of bacterial communities to decomposition in paddy soils. <i>Soil Biology and Biochemistry</i> , 2020, 148, 107866.	4.2	49
498	Changes in <i>Emberiza</i> bunting communities and populations spanning 100 years in Korea. <i>PLoS ONE</i> , 2020, 15, e0233121.	1.1	13
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500	Changes in Faecal Microbiota Profiles Associated With Performance and Birthweight of Piglets. <i>Frontiers in Microbiology</i> , 2020, 11, 917.	1.5	28
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504	Influences of Hillslope Biogeochemistry on Anaerobic Soil Organic Matter Decomposition in a Tundra Watershed. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005512.	1.3	4
505	Does temperature constrain diet choice in a marine herbivorous fish?. <i>Marine Biology</i> , 2020, 167, 1.	0.7	4
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507	Effects of a tropical cyclone on salt marsh insect communities and post-cyclone reassembly processes. <i>Ecography</i> , 2020, 43, 834-847.	2.1	9
508	Thermally Variable, Macrotidal Reef Habitats Promote Rapid Recovery From Mass Coral Bleaching. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	34
509	Functional and Structural Responses of Arctic and Alpine Soil Prokaryotic and Fungal Communities Under Freeze-Thaw Cycles of Different Frequencies. <i>Frontiers in Microbiology</i> , 2020, 11, 982.	1.5	31

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511	Multiple Lines of Evidence Indicate Limited Natural Recruitment of Golden Perch ( <i>Macquaria ambigua</i> ) in the Highly Regulated Lachlan River. <i>Water (Switzerland)</i> , 2020, 12, 1636.	1.2	4
512	Natural recovery of plant species diversity in secondary forests in Eastern Amazonia: contributions to passive forest restoration. <i>Revista Brasileira De Botanica</i> , 2020, 43, 165-175.	0.5	5
513	Fine-scale delineation of Symbiodiniaceae genotypes on a previously bleached central Red Sea reef system demonstrates a prevalence of coral host-specific associations. <i>Coral Reefs</i> , 2020, 39, 583-601.	0.9	39
514	Avian Beta Diversity in a Neotropical Wetland: the Effects of Flooding and Vegetation Structure. <i>Wetlands</i> , 2020, 40, 1513-1527.	0.7	22
515	The Bacterial Microbiome of Meloidogyne-Based Disease Complex in Coffee and Tomato. <i>Frontiers in Plant Science</i> , 2020, 11, 136.	1.7	34
516	Tying up Loose Ends of Microplastic Pollution in the Arctic: Distribution from the Sea Surface through the Water Column to Deep-Sea Sediments at the HAUSGARTEN Observatory. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4079-4090.	4.6	183
517	An appetite for pests: Synanthropic insectivorous bats exploit cotton pest irruptions and consume various deleterious arthropods. <i>Molecular Ecology</i> , 2020, 29, 1185-1198.	2.0	41
518	Distinct fungal successional trajectories following wildfire between soil horizons in a cold-temperate forest. <i>New Phytologist</i> , 2020, 227, 572-587.	3.5	41
519	Measuring spatial and temporal shifts in forest structure and composition in high elevation beech forests in response to beech bark disease in Great Smoky Mountains National Park. <i>Forest Ecology and Management</i> , 2020, 461, 117954.	1.4	4
520	Cultivating the Macroalgal Holobiont: Effects of Integrated Multi-Trophic Aquaculture on the Microbiome of <i>Ulva rigida</i> (Chlorophyta). <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	61
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523	Uncovered Microbial Diversity in Antarctic Cryptoendolithic Communities Sampling Three Representative Locations of the Victoria Land. <i>Microorganisms</i> , 2020, 8, 942.	1.6	12
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525	Vole disturbances and plant community diversity in a productive hay meadow. <i>Acta Oecologica</i> , 2020, 106, 103585.	0.5	3
526	Diets of scaup occupying baitfish and sportfish farms in eastern Arkansas. <i>Food Webs</i> , 2020, 23, e00141.	0.5	4
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530	Effects of continuous cropping of sugar beet ( <i>Beta vulgaris</i> L.) on its endophytic and soil bacterial community by high-throughput sequencing. <i>Annals of Microbiology</i> , 2020, 70, .	1.1	13
531	Characterization of pharmaceuticals, personal care products, and polybrominated diphenyl ethers in lake sturgeon serum and gametes. <i>Environmental Pollution</i> , 2020, 266, 115051.	3.7	6
532	Co-existing locomotory activity and gene expression profiles in a kissing-bug vector of Chagas disease. <i>Journal of Insect Physiology</i> , 2020, 122, 104021.	0.9	7
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534	Sampling strategies to assess microbial diversity of Antarctic cryptoendolithic communities. <i>Polar Biology</i> , 2020, 43, 225-235.	0.5	8
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539	Does brownigã€induced light limitation reduce fish body growth through shifts in prey composition or reduced foraging rates?. <i>Freshwater Biology</i> , 2020, 65, 947-959.	1.2	15
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541	Fire legacies, heterogeneity, and the importance of mixed-severity fire in ponderosa pine savannas. <i>Forest Ecology and Management</i> , 2020, 459, 117853.	1.4	11
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543	The Limits, Capabilities, and Potential for Life Detection with MinION Sequencing in a Paleochannel Mars Analog. <i>Astrobiology</i> , 2020, 20, 375-393.	1.5	16
544	Spatial and temporal turnover of soil microbial communities is not linked to function in a primary tropical forest. <i>Ecology</i> , 2020, 101, e02985.	1.5	34
545	Structural variation of potentially toxic epiphytic dinoflagellates on <i>Thalassia testudinum</i> from two coastal systems of Colombian Caribbean. <i>Harmful Algae</i> , 2020, 92, 101738.	2.2	5

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547	Multi-region assessment of pharmaceutical exposures and predicted effects in USA wadeable urban-gradient streams. <i>PLoS ONE</i> , 2020, 15, e0228214.	1.1	34
548	Salinity and Time Can Alter Epibacterial Communities of an Invasive Seaweed. <i>Frontiers in Microbiology</i> , 2019, 10, 2870.	1.5	39
549	QIIME 2 Enables Comprehensive End-to-End Analysis of Diverse Microbiome Data and Comparative Studies with Publicly Available Data. <i>Current Protocols in Bioinformatics</i> , 2020, 70, e100.	25.8	212
550	Seasonal changes in metacommunity assembly mechanisms of benthic macroinvertebrates in a subtropical river basin. <i>Science of the Total Environment</i> , 2020, 729, 139046.	3.9	32
551	Functional community composition has less environmental variability than taxonomic composition in straw-degrading bacteria. <i>Biology and Fertility of Soils</i> , 2020, 56, 869-874.	2.3	16
552	Edge Effects Are Not Linked to Key Ecological Processes in a Fragmented Biogenic Reef. <i>Estuaries and Coasts</i> , 2020, 43, 708-721.	1.0	4
553	Effects of experimental prescribed fire and tree thinning on oak savanna understory plant communities and ecosystem structure. <i>Forest Ecology and Management</i> , 2020, 464, 118047.	1.4	25
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555	Do different sympatric seagrasses support macrobenthic faunas of differing composition, abundance, biodiversity or patchiness?. <i>Marine Environmental Research</i> , 2020, 160, 104983.	1.1	9
556	Increased temperatures alter viable microbial biomass, ammonia oxidizing bacteria and extracellular enzymatic activities in Antarctic soils. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	13
557	Diazotrophs Show Signs of Restoration in Amazon Rain Forest Soils with Ecosystem Rehabilitation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	11
558	Significant Differences in the Gut Bacterial Communities of Hooded Crane ( <i>Grus monacha</i> ) in Different Seasons at a Stopover Site on the Flyway. <i>Animals</i> , 2020, 10, 701.	1.0	19
559	The geographic evolution of optics technologies in the United States, 1976â€“2010. <i>Papers in Regional Science</i> , 2020, 99, 1539-1560.	1.0	4
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561	Hydrologyâ€driven responses of herbivorous geese in relation to changes in food quantity and quality. <i>Ecology and Evolution</i> , 2020, 10, 5281-5292.	0.8	14
562	Environmental control on the distribution of metabolic strategies of benthic microbial mats in Lake Fryxell, Antarctica. <i>PLoS ONE</i> , 2020, 15, e0231053.	1.1	13
563	The Effects of River Algae and Pore Water Flow on the Feeding of Juvenile Mussels. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005302.	1.3	5



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566	Diversity and potential biogeochemical impacts of viruses in bulk and rhizosphere soils. <i>Environmental Microbiology</i> , 2021, 23, 588-599.	1.8	62
567	Direct Comparison of Fecal and Gut Microbiota in the Blue Mussel ( <i>Mytilus edulis</i> ) Discourages Fecal Sampling as a Proxy for Resident Gut Community. <i>Microbial Ecology</i> , 2021, 81, 180-192.	1.4	15
568	Partner turnover and changes in ectomycorrhizal fungal communities during the early life stages of European beech ( <i>Fagus sylvatica</i> L.). <i>Mycorrhiza</i> , 2021, 31, 43-53.	1.3	0
569	Bacterial Taxa Migrating from the Mediterranean Sea into the Red Sea Revealed a Higher Prevalence of Anti-Lessepsian Migrations. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 60-71.	1.0	2
570	Phytophthora Species Associated with Roots of Native and Non-native Trees in Natural and Managed Forests. <i>Microbial Ecology</i> , 2021, 81, 122-133.	1.4	13
571	Early Ecosystem Development Varies With Elevation and Pre-Restoration Land Use/Land Cover in a Pacific Northwest Tidal Wetland Restoration Project. <i>Estuaries and Coasts</i> , 2021, 44, 13-29.	1.0	11
572	The use of sentinel logs to assess host shifts in early beetle colonisers of deadwood under climate- and forestry-induced tree species substitutions. <i>Insect Conservation and Diversity</i> , 2021, 14, 117-131.	1.4	6
573	Gut microbiota in adolescent girls with polycystic ovary syndrome: Effects of randomized treatments. <i>Pediatric Obesity</i> , 2021, 16, e12734.	1.4	16
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575	Progenesis as an intrinsic factor of ecological opportunity in a polyphenic amphibian. <i>Functional Ecology</i> , 2021, 35, 546-560.	1.7	7
576	Microeukaryotic Communities Associated With the Seagrass <i>Zostera marina</i> Are Spatially Structured. <i>Journal of Eukaryotic Microbiology</i> , 2021, 68, e12827.	0.8	12
577	Sources, quality and transfers of organic matter in a highly-stratified sub-Arctic coastal system (Saint-Pierre-et-Miquelon, NW Atlantic). <i>Progress in Oceanography</i> , 2021, 190, 102483.	1.5	0
578	Native plant turnover and limited exotic spread explain swamp biotic differentiation with urbanization. <i>Applied Vegetation Science</i> , 2021, 24, .	0.9	2
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580	Contrasting responses of habitat conditions and insect biodiversity to pest- or climate-induced dieback in coniferous mountain forests. <i>Forest Ecology and Management</i> , 2021, 482, 118811.	1.4	15
581	On-farm soil resistome is modified after treating dairy calves with the antibiotic florfenicol. <i>Science of the Total Environment</i> , 2021, 750, 141694.	3.9	11

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583	Diel Variability and Influence of Artificial Light on Fish and Macroinvertebrate Communities in Gulf of Mexico Seagrass Beds. <i>Estuaries and Coasts</i> , 2021, 44, 431-441.	1.0	9
584	Pet birds as potential reservoirs of virulent and antibiotic resistant zoonotic bacteria. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2021, 75, 101606.	0.7	6
585	Environment shapes the spatial organization of tree diversity in fragmented forests across a human-modified landscape. <i>Ecological Applications</i> , 2021, 31, e02244.	1.8	3
586	Diversity of bacterial symbionts associated with <i>Myzus persicae</i> (Sulzer) (Hemiptera: Aphididae: Tj ETQq0 0 0 rgBTj/Overlock_10 Tf 50 5	1.4	14
587	Relationship between aquifer biofilms and unattached microbial indicators of urban groundwater contamination. <i>Molecular Ecology</i> , 2021, 30, 324-342.	2.0	6
588	Sheep herding in small grasslands promotes dung beetle diversity in a mountain forest landscape. <i>Journal of Insect Conservation</i> , 2021, 25, 13-26.	0.8	6
589	Effects of Environmental Variables and Habitat Integrity on the Structure of the Aquatic Insect Communities of Streams in the Cerrado-Caatinga Ecotone in Northeastern Brazil. <i>Neotropical Entomology</i> , 2021, 50, 21-31.	0.5	4
590	ResistoXplorer: a web-based tool for visual, statistical and exploratory data analysis of resistome data. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab018.	1.5	9
591	Land-use history determines stand structure and tree diversity in vanilla agroforests of northeastern Madagascar. <i>Applied Vegetation Science</i> , 2021, 24, e12563.	0.9	18
592	Deprivation of dietary fiber in specific-pathogen-free mice promotes susceptibility to the intestinal mucosal pathogen <i>Citrobacter rodentium</i> . <i>Gut Microbes</i> , 2021, 13, 1966263.	4.3	35
593	Gut microbiome is affected by inter-sexual and inter-seasonal variation in diet for thick-billed murres ( <i>Uria lomvia</i> ). <i>Scientific Reports</i> , 2021, 11, 1200.	1.6	40
594	Emerging investigator series: prompt response of estuarine denitrifying bacterial communities to copper nanoparticles at relevant environmental concentrations. <i>Environmental Science: Nano</i> , 2021, 8, 913-926.	2.2	0
595	The microbiome of the seagrass <i>Halophila ovalis</i> : community structuring from plant parts to regional scales. <i>Aquatic Microbial Ecology</i> , 2021, 87, 139-150.	0.9	3
596	Microbiota associated with <i>Mollitrichosiphum</i> aphids (Hemiptera: Aphididae: Greenideinae): diversity, host species specificity and phyllosymbiosis. <i>Environmental Microbiology</i> , 2021, 23, 2184-2198.	1.8	14
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