

# Ryan J Newton

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45  
papers

4,178  
citations

29  
h-index

49  
g-index

49  
ext. papers

5,468  
ext. citations

6.5  
avg, IF

5.5  
L-index

#	Paper	IF	Citations
45	Chronic exposure to high-density polyethylene microplastic through feeding alters the nutrient metabolism of juvenile yellow perch ( <i>Lepomis microlophus</i> ).. <i>Animal Nutrition</i> , <b>2022</b> , 9, 143-158	4.8	0
44	Disproportionate Changes in Composition and Molecular Size Spectra of Dissolved Organic Matter between Influent and Effluent from a Major Metropolitan Wastewater Treatment Plant. <i>ACS ES&amp;T Water</i> , <b>2022</b> , 2, 216-225		0
43	Urban wastewater bacterial communities assemble into seasonal steady states. <i>Microbiome</i> , <b>2021</b> , 9, 116	16.6	6
42	Evaluation of Sampling, Analysis, and Normalization Methods for SARS-CoV-2 Concentrations in Wastewater to Assess COVID-19 Burdens in Wisconsin Communities. <i>ACS ES&amp;T Water</i> , <b>2021</b> , 1, 1955-1965		39
41	Cast iron drinking water pipe biofilms support diverse microbial communities containing antibiotic resistance genes, metal resistance genes, and class 1 integrons. <i>Environmental Science: Water Research and Technology</i> , <b>2021</b> , 7, 584-598	4.2	3
40	Causal relationship between alkaline phosphatase activities and phosphorus dynamics in a eutrophic coastal lagoon in Lake Michigan. <i>Science of the Total Environment</i> , <b>2021</b> , 787, 147681	10.2	4
39	Human Fecal Contamination Corresponds to Changes in the Freshwater Bacterial Communities of a Large River Basin. <i>Microbiology Spectrum</i> , <b>2021</b> , 9, e0120021	8.9	0
38	Shifts in Vaginal Bacterial Community Composition Are Associated With Vaginal Mesh Exposure. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , <b>2021</b> , 27, e681-e686	1.9	
37	FORENSIC: an Online Platform for Fecal Source Identification. <i>MSystems</i> , <b>2020</b> , 5,	7.6	10
36	Microbial communities of the Laurentian Great Lakes reflect connectivity and local biogeochemistry. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 433-446	5.2	14
35	Nutritional quality of different starches in feed fed to juvenile yellow perch, <i>Perca flavescens</i> . <i>Aquaculture Nutrition</i> , <b>2020</b> , 26, 671-682	3.2	4
34	The flux and impact of wastewater infrastructure microorganisms on human and ecosystem health. <i>Current Opinion in Biotechnology</i> , <b>2019</b> , 57, 145-150	11.4	19
33	Component Microenvironments and System Biogeography Structure Microorganism Distributions in Recirculating Aquaculture and Aquaponic Systems. <i>MSphere</i> , <b>2019</b> , 4,	5	21
32	Stripping Away the Soil: Plant Growth Promoting Microbiology Opportunities in Aquaponics. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 8	5.7	40
31	Fecal source identification using random forest. <i>Microbiome</i> , <b>2018</b> , 6, 185	16.6	51
30	TaxAss: Leveraging a Custom Freshwater Database Achieves Fine-Scale Taxonomic Resolution. <i>MSphere</i> , <b>2018</b> , 3,	5	37
29	Freshwater Recirculating Aquaculture System Operations Drive Biofilter Bacterial Community Shifts around a Stable Nitrifying Consortium of Ammonia-Oxidizing and Comammox. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 101	5.7	113

28	Genome-wide selective sweeps and gene-specific sweeps in natural bacterial populations. <i>ISME Journal</i> , <b>2016</b> , 10, 1589-601	11.9	146
27	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 214	5.7	321
26	Sewage reflects the microbiomes of human populations. <i>MBio</i> , <b>2015</b> , 6, e02574	7.8	153
25	A single genus in the gut microbiome reflects host preference and specificity. <i>ISME Journal</i> , <b>2015</b> , 9, 90-100	10.9	105
24	Detection of multi-drug resistant Escherichia coli in the urban waterways of Milwaukee, WI. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 336	5.7	24
23	A unique assemblage of cosmopolitan freshwater bacteria and higher community diversity differentiate an urbanized estuary from oligotrophic Lake Michigan. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1028	5.7	60
22	Analysis of the gull fecal microbial community reveals the dominance of Catellicoccus marimammalium in relation to culturable Enterococci. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 757-65	4.8	21
21	The polycyclic aromatic hydrocarbon degradation potential of Gulf of Mexico native coastal microbial communities after the Deepwater Horizon oil spill. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 205	5.7	67
20	A microbial signature approach to identify fecal pollution in the waters off an urbanized coast of Lake Michigan. <i>Microbial Ecology</i> , <b>2013</b> , 65, 1011-23	4.4	162
19	Sewage reflects the distribution of human faecal Lachnospiraceae. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 2213-27	5.2	75
18	Comparison of the microbial community structures of untreated wastewaters from different geographic locales. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 2906-13	4.8	119
17	Shifts in the microbial community composition of Gulf Coast beaches following beach oiling. <i>PLoS ONE</i> , <b>2013</b> , 8, e74265	3.7	60
16	Transcriptional changes underlying elemental stoichiometry shifts in a marine heterotrophic bacterium. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 159	5.7	17
15	Spatial and temporal scales of aquatic bacterial beta diversity. <i>Frontiers in Microbiology</i> , <b>2012</b> , 3, 318	5.7	50
14	Seasonal differences in bacterial community composition following nutrient additions in a eutrophic lake. <i>Environmental Microbiology</i> , <b>2011</b> , 13, 887-99	5.2	66
13	A guide to the natural history of freshwater lake bacteria. <i>Microbiology and Molecular Biology Reviews</i> , <b>2011</b> , 75, 14-49	13.2	914
12	Community structures of fecal bacteria in cattle from different animal feeding operations. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 2992-3001	4.8	230
11	Lachnospiraceae and Bacteroidales alternative fecal indicators reveal chronic human sewage contamination in an urban harbor. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 6972-81	4.8	93

10	Genome characteristics of a generalist marine bacterial lineage. <i>ISME Journal</i> , <b>2010</b> , 4, 784-98	11.9	275
9	Occurrence of tetracycline resistance genes in aquaculture facilities with varying use of oxytetracycline. <i>Microbial Ecology</i> , <b>2010</b> , 59, 799-807	4.4	91
8	Evidence for structuring of bacterial community composition by organic carbon source in temperate lakes. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 2463-72	5.2	103
7	Potential for atmospheric deposition of bacteria to influence bacterioplankton communities. <i>FEMS Microbiology Ecology</i> , <b>2008</b> , 64, 388-94	4.3	32
6	Phylogenetic ecology of the freshwater Actinobacteria acl lineage. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7169-76	4.8	157
5	AQUACULTURE FACILITIES AS A POTENTIAL SOURCE OF ANTIBIOTIC RESISTANCE TO THE AQUATIC ENVIRONMENT. <i>Proceedings of the Water Environment Federation</i> , <b>2007</b> , 2007, 3132-3143		
4	Interannual dynamics and phenology of bacterial communities in a eutrophic lake. <i>Limnology and Oceanography</i> , <b>2007</b> , 52, 487-494	4.8	128
3	Microbial community dynamics in a humic lake: differential persistence of common freshwater phylotypes. <i>Environmental Microbiology</i> , <b>2006</b> , 8, 956-70	5.2	99
2	Experimental manipulations of microbial food web interactions in a humic lake: shifting biological drivers of bacterial community structure. <i>Environmental Microbiology</i> , <b>2006</b> , 8, 1448-59	5.2	40
1	Evaluation of sampling frequency and normalization of SARS-CoV-2 wastewater concentrations for capturing COVID-19 burdens in the community		9