

# Katherine A Dunn

## List of Publications by Citations

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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.

29  
papers

1,206  
citations

18  
h-index

31  
g-index

31  
ext. papers

1,570  
ext. citations

5.3  
avg, IF

4.06  
L-index

#	Paper	IF	Citations
29	A new time-scale for ray-finned fish evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 489-98	4.4	248
28	Crohn's Disease Exclusion Diet Plus Partial Enteral Nutrition Induces Sustained Remission in a Randomized Controlled Trial. <i>Gastroenterology</i> , <b>2019</b> , 157, 440-450.e8	13.3	194
27	Multilocus genotyping assays for single nucleotide polymorphism-based subtyping of <i>Listeria monocytogenes</i> isolates. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 7629-42	4.8	128
26	Darwinian adaptation of proteorhodopsin to different light intensities in the marine environment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 14824-9	11.5	62
25	Molecular clocks keep dispersal hypotheses afloat: evidence for trans-Atlantic rafting by rodents. <i>Journal of Biogeography</i> , <b>2010</b> , 37, 305-324	4.1	61
24	Substitution rates in <i>Drosophila</i> nuclear genes: implications for translational selection. <i>Genetics</i> , <b>2001</b> , 157, 295-305	4	58
23	Rates of nucleotide substitution and mammalian nuclear gene evolution. Approximate and maximum-likelihood methods lead to different conclusions. <i>Genetics</i> , <b>2000</b> , 156, 1299-308	4	56
22	Multi-omics differentially classify disease state and treatment outcome in pediatric Crohn's disease. <i>Microbiome</i> , <b>2018</b> , 6, 13	16.6	55
21	Early Changes in Microbial Community Structure Are Associated with Sustained Remission After Nutritional Treatment of Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 2853-2862	4.5	48
20	Molecular phylogenetics of myliobatiform fishes (Chondrichthyes: Myliobatiformes), with comments on the effects of missing data on parsimony and likelihood. <i>Molecular Phylogenetics and Evolution</i> , <b>2003</b> , 27, 259-70	4.1	46
19	BioMiCo: a supervised Bayesian model for inference of microbial community structure. <i>Microbiome</i> , <b>2015</b> , 3, 8	16.6	35
18	Seasonal assemblages and short-lived blooms in coastal north-west Atlantic Ocean bacterioplankton. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 3642-61	5.2	30
17	The relationship between fecal bile acids and microbiome community structure in pediatric Crohn's disease. <i>ISME Journal</i> , <b>2020</b> , 14, 702-713	11.9	27
16	The Gut Microbiome of Pediatric Crohn's Disease Patients Differs from Healthy Controls in Genes That Can Influence the Balance Between a Healthy and Dysregulated Immune Response. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 2607-2618	4.5	23
15	BiomeNet: a Bayesian model for inference of metabolic divergence among microbial communities. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003918	5	23
14	Reconciling ecological and genomic divergence among lineages of <i>Listeria</i> under an "extended mosaic genome concept". <i>Molecular Biology and Evolution</i> , <b>2009</b> , 26, 2605-15	8.3	22
13	Bacterial Taxa and Functions Are Predictive of Sustained Remission Following Exclusive Enteral Nutrition in Pediatric Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , <b>2020</b> , 26, 1026-1037	4.5	18

12	Functional Divergence of the Nuclear Receptor NR2C1 as a Modulator of Pluripotentiality During Hominid Evolution. <i>Genetics</i> , <b>2016</b> , 203, 905-22	4	18
11	Novel Strategies for Applied Metagenomics. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 709-18	4.5	13
10	Likelihood-based clustering (LiBaC) for codon models, a method for grouping sites according to similarities in the underlying process of evolution. <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 1995-2007	8.3	12
9	Methods for selecting fixed-effect models for heterogeneous codon evolution, with comments on their application to gene and genome data. <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7 Suppl 1, S5	3	10
8	Improving evolutionary models for mitochondrial protein data with site-class specific amino acid exchangeability matrices. <i>PLoS ONE</i> , <b>2013</b> , 8, e55816	3.7	9
7	Improved inference of site-specific positive selection under a generalized parametric codon model when there are multinucleotide mutations and multiple nonsynonymous rates. <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 22	3	6
6	A Robust ANOVA Approach to Estimating a Phylogeny from Multiple Genes. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 2186-94	8.3	1
5	Investigating the gut microbial community and genes in children with differing levels of change in serum asparaginase activity during pegaspargase treatment for acute lymphoblastic leukemia. <i>Leukemia and Lymphoma</i> , <b>2021</b> , 62, 927-936	1.9	1
4	Gut bacterial gene changes following pegaspargase treatment in pediatric patients with acute lymphoblastic leukemia. <i>Leukemia and Lymphoma</i> , <b>2021</b> , 62, 3244-3255	1.9	1
3	The impact of the host intestinal microbiome on carcinogenesis and the response to chemotherapy. <i>Future Oncology</i> , <b>2021</b> , 17, 4371-4387	3.6	1
2	Investigating Gut Microbial Taxa and Asparaginase Related Genes in Children Showing Different Direction of Change in Serum Asparaginase Activity Levels during Pegasparginase Treatment for Acute Lymphoblastic Leukemia. <i>Blood</i> , <b>2020</b> , 136, 40-41	2.2	
1	Bayesian Inference of Microbial Community Structure from Metagenomic Data Using BioMiCo. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1849, 267-289	1.4	