

# Ray Tobler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4599217/publications.pdf>

Version: 2024-02-01

28  
papers

2,545  
citations

430874

18  
h-index

477307

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequencing pools of individuals “ mining genome-wide polymorphism data without big funding. <i>Nature Reviews Genetics</i> , 2014, 15, 749-763.	16.3	654
2	Combining experimental evolution with next-generation sequencing: a powerful tool to study adaptation from standing genetic variation. <i>Heredity</i> , 2015, 114, 431-440.	2.6	219
3	Genetic redundancy fuels polygenic adaptation in <i>Drosophila</i> . <i>PLoS Biology</i> , 2019, 17, e3000128.	5.6	212
4	Aboriginal mitogenomes reveal 50,000 years of regionalism in Australia. <i>Nature</i> , 2017, 544, 180-184.	27.8	195
5	Secondary contact and local adaptation contribute to genome-wide patterns of clinal variation in <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2016, 25, 1157-1174.	3.9	149
6	A Genome-Wide, Fine-Scale Map of Natural Pigmentation Variation in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2013, 9, e1003534.	3.5	146
7	Massive Habitat-Specific Genomic Response in <i>D. melanogaster</i> Populations during Experimental Evolution in Hot and Cold Environments. <i>Molecular Biology and Evolution</i> , 2014, 31, 364-375.	8.9	138
8	Patterns of Linkage Disequilibrium and Long Range Hitchhiking in Evolving Experimental <i>Drosophila melanogaster</i> Populations. <i>Molecular Biology and Evolution</i> , 2015, 32, 495-509.	8.9	82
9	A simple genetic basis of adaptation to a novel thermal environment results in complex metabolic rewiring in <i>Drosophila</i> . <i>Genome Biology</i> , 2018, 19, 119.	8.8	71
10	An ancient viral epidemic involving host coronavirus interacting genes more than 20,000 years ago in East Asia. <i>Current Biology</i> , 2021, 31, 3504-3514.e9.	3.9	71
11	Molecular dissection of a natural transposable element invasion. <i>Genome Research</i> , 2018, 28, 824-835.	5.5	64
12	A global environmental crisis 42,000 years ago. <i>Science</i> , 2021, 371, 811-818.	12.6	61
13	Ethics of DNA research on human remains: five globally applicable guidelines. <i>Nature</i> , 2021, 599, 41-46.	27.8	49
14	Experimental evolution reveals habitat-specific fitness dynamics among <i>Wolbachia</i> clades in <i>Drosophila melanogaster</i> . <i>Molecular Ecology</i> , 2014, 23, 802-814.	3.9	43
15	Parallel trait adaptation across opposing thermal environments in experimental <i>Drosophila melanogaster</i> populations. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 1745-1759.	2.3	36
16	High rate of translocation-based gene birth on the <i>Drosophila</i> Y chromosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11721-11726.	7.1	35
17	Widespread Denisovan ancestry in Island Southeast Asia but no evidence of substantial super-archaic hominin admixture. <i>Nature Ecology and Evolution</i> , 2021, 5, 616-624.	7.8	27
18	Ancestral population reconstitution from isofemale lines as a tool for experimental evolution. <i>Ecology and Evolution</i> , 2016, 6, 7169-7175.	1.9	25

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19	<i>Drosophila simulans</i> : A Species with Improved Resolution in Evolve and Resequencing Studies. <i>Genes, Genomes, Genetics</i> , 2017, 7, 2337-2343.	1.8	25
20	Genozip: a universal extensible genomic data compressor. <i>Bioinformatics</i> , 2021, 37, 2225-2230.	4.1	18
21	Mitogenomes Reveal Two Major Influxes of Papuan Ancestry across Wallacea Following the Last Glacial Maximum and Austronesian Contact. <i>Genes</i> , 2021, 12, 965.	2.4	15
22	genozip: a fast and efficient compression tool for VCF files. <i>Bioinformatics</i> , 2020, 36, 4091-4092.	4.1	14
23	Systematic benchmark of ancient DNA read mapping. <i>Briefings in Bioinformatics</i> , 2021, 22, .	6.5	13
24	No evidence for ovarian synchrony or asynchrony in hamadryas baboons. <i>Animal Behaviour</i> , 2010, 80, 829-837.	1.9	12
25	smartsnp, an R package for fast multivariate analyses of big genomic data. <i>Methods in Ecology and Evolution</i> , 2021, 12, 2084-2093.	5.2	8
26	Additional evaluations show that specific BWAaln settings still outperform BWAmem for ancient DNA data alignment. <i>Ecology and Evolution</i> , 2021, 11, 18743-18748.	1.9	7
27	Response to Comment on "A global environmental crisis 42,000 years ago". <i>Science</i> , 2021, 374, eabi9756.	12.6	2
28	Response to Comment on "A global environmental crisis 42,000 years ago". <i>Science</i> , 2021, 374, eabh3655.	12.6	0