

Pleuni S Pennings

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.

53
papers

2,243
citations

20
h-index

47
g-index

68
ext. papers

2,855
ext. citations

5.1
avg, IF

5.51
L-index

#	Paper	IF	Citations
53	Assessing in vivo mutation frequencies and creating a high-resolution genome-wide map of fitness costs of Hepatitis C virus.. <i>PLoS Genetics</i> , 2022 , 18, e1010179	6	
52	Comparative Analysis of Within-Host Mutation Patterns and Diversity of Hepatitis C Virus Subtypes 1a, 1b, and 3a. <i>Viruses</i> , 2021 , 13,	6.2	1
51	Genetic Adaptation in New York City Rats. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	6
50	The clarifying role of time series data in the population genetics of HIV. <i>PLoS Genetics</i> , 2021 , 17, e1009050	5.0	6
49	Understanding patterns of HIV multi-drug resistance through models of temporal and spatial drug heterogeneity. <i>ELife</i> , 2021 , 10,	8.9	4
48	Student-Authored Scientist Spotlights: Investigating the Impacts of Engaging Undergraduates as Developers of Inclusive Curriculum through a Service-Learning Course. <i>CBE Life Sciences Education</i> , 2021 , 20, ar55	3.4	3
47	SIV Evolutionary Dynamics in Cynomolgus Macaques during SIV- Co-Infection.. <i>Viruses</i> , 2021 , 14,	6.2	1
46	Long-Acting Rilpivirine (RPV) Preexposure Prophylaxis Does Not Inhibit Vaginal Transmission of RPV-Resistant HIV-1 or Select for High-Frequency Drug Resistance in Humanized Mice. <i>Journal of Virology</i> , 2020 , 94,	6.6	5
45	CpG-creating mutations are costly in many human viruses. <i>Evolutionary Ecology</i> , 2020 , 34, 339-359	1.8	10
44	Drivers of within-host genetic diversity in acute infections of viruses. <i>PLoS Pathogens</i> , 2020 , 16, e1009029	9.6	12
43	Viral CpG Deficiency Provides No Evidence That Dogs Were Intermediate Hosts for SARS-CoV-2. <i>Molecular Biology and Evolution</i> , 2020 , 37, 2706-2710	8.3	12
42	Drug Resistance Evolution in HIV in the Late 1990s: Hard Sweeps, Soft Sweeps, Clonal Interference and the Accumulation of Drug Resistance Mutations. <i>G3: Genes, Genomes, Genetics</i> , 2020 , 10, 1213-1223 ^{3.2}	3.2	3
41	Drivers of within-host genetic diversity in acute infections of viruses 2020 , 16, e1009029		
40	Drivers of within-host genetic diversity in acute infections of viruses 2020 , 16, e1009029		
39	Drivers of within-host genetic diversity in acute infections of viruses 2020 , 16, e1009029		
38	Drivers of within-host genetic diversity in acute infections of viruses 2020 , 16, e1009029		
37	Drivers of within-host genetic diversity in acute infections of viruses 2020 , 16, e1009029		

36	Investigating Instructor Talk in Novel Contexts: Widespread Use, Unexpected Categories, and an Emergent Sampling Strategy. <i>CBE Life Sciences Education</i> , 2019 , 18, ar47	3.4	20
35	Inferring population genetics parameters of evolving viruses using time-series data. <i>Virus Evolution</i> , 2019 , 5, vez011	3.7	4
34	Polygenic adaptation: From sweeps to subtle frequency shifts. <i>PLoS Genetics</i> , 2019 , 15, e1008035	6	55
33	Evolutionary Dynamics in Structured Populations Under Strong Population Genetic Forces. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 3395-3407	3.2	12
32	Collectively Improving Our Teaching: Attempting Biology Department-wide Professional Development in Scientific Teaching. <i>CBE Life Sciences Education</i> , 2018 , 17,	3.4	24
31	Assessing efficiency of the New England Biolabs Q5 ⁺ site-directed mutagenesis kit to produce a library of aminoglycoside N-acetyltransferase mutants. <i>FASEB Journal</i> , 2018 , 32, 798.15	0.9	
30	Within-patient mutation frequencies reveal fitness costs of CpG dinucleotides and drastic amino acid changes in HIV. <i>PLoS Genetics</i> , 2018 , 14, e1007420	6	23
29	Soft Selective Sweeps in Evolutionary Rescue. <i>Genetics</i> , 2017 , 205, 1573-1586	4	30
28	Classroom sound can be used to classify teaching practices in college science courses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3085-3090	11.5	44
27	Soft sweeps and beyond: understanding the patterns and probabilities of selection footprints under rapid adaptation. <i>Methods in Ecology and Evolution</i> , 2017 , 8, 700-716	7.7	140
26	A spatio-temporal assessment of simian/human immunodeficiency virus (SHIV) evolution reveals a highly dynamic process within the host. <i>PLoS Pathogens</i> , 2017 , 13, e1006358	7.6	15
25	More effective drugs lead to harder selective sweeps in the evolution of drug resistance in HIV-1. <i>ELife</i> , 2016 , 5,	8.9	50
24	The population genetics of drug resistance evolution in natural populations of viral, bacterial and eukaryotic pathogens. <i>Molecular Ecology</i> , 2016 , 25, 42-66	5.7	28
23	Imperfect drug penetration leads to spatial monotherapy and rapid evolution of multidrug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2874-83	11.5	85
22	Fighting microbial drug resistance: a primer on the role of evolutionary biology in public health. <i>Evolutionary Applications</i> , 2015 , 8, 211-22	4.8	28
21	Loss and recovery of genetic diversity in adapting populations of HIV. <i>PLoS Genetics</i> , 2014 , 10, e10040006		96
20	Geographic distribution of the anti-parasite trait "slave rebellion". <i>Evolutionary Ecology</i> , 2013 , 27, 39-49	1.8	10
19	HIV Drug Resistance: Problems and Perspectives. <i>Gastroenterology Insights</i> , 2013 , 5, e5	2.1	79

18	Evidence of adaptation from ancestral variation in young populations of beach mice. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 3209-23	3.8	50
17	Standing genetic variation and the evolution of drug resistance in HIV. <i>PLoS Computational Biology</i> , 2012 , 8, e1002527	5	60
16	Increased host aggression as an induced defense against slave-making ants. <i>Behavioral Ecology</i> , 2011 , 22, 255-260	2.3	43
15	Evolution von Medikamentenresistenzen 2011 , 115-150		
14	Association of orthodenticle with natural variation for early embryonic patterning in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009 , 312, 841-54	1.8	8
13	An analytically tractable model for competitive speciation. <i>American Naturalist</i> , 2008 , 171, E44-71	3.7	60
12	Specialization and local adaptation of a fungal parasite on two host plant species as revealed by two fitness traits. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 27-41	3.8	48
11	Soft sweeps III: the signature of positive selection from recurrent mutation. <i>PLoS Genetics</i> , 2006 , 2, e1866		203
10	Soft sweeps II--molecular population genetics of adaptation from recurrent mutation or migration. <i>Molecular Biology and Evolution</i> , 2006 , 23, 1076-84	8.3	236
9	Soft sweeps: molecular population genetics of adaptation from standing genetic variation. <i>Genetics</i> , 2005 , 169, 2335-52	4	707
8	Polygenic adaptation: From sweeps to subtle frequency shifts		1
7	Soft selective sweeps in evolutionary rescue		3
6	Genetic Adaptation in New York City Rats		3
5	The clarifying role of time series data in the population genetics of HIV		3
4	Drug resistance evolution in HIV in the late 1990s: hard sweeps, soft sweeps, clonal interference and the accumulation of drug resistance mutations		4
3	The genetic interaction between HIV and the antibody repertoire		2
2	Understanding patterns of HIV multi-drug resistance through models of temporal and spatial drug heterogeneity		
1	Within-patient mutation frequencies reveal fitness costs of CpG dinucleotides and drastic amino acid changes in HIV		1

