

# Pleuni S Pennings

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1775167/publications.pdf>

Version: 2024-02-01

47  
papers

3,172  
citations

331670

21  
h-index

289244

40  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3788  
citing authors

#	ARTICLE	IF	CITATIONS
1	SIV Evolutionary Dynamics in Cynomolgus Macaques during SIV-Mycobacterium tuberculosis Co-Infection. <i>Viruses</i> , 2022, 14, 48.	3.3	3
2	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.	3.5	2
3	Ten simple rules for designing and running a computing minor for bio/chem students. <i>PLoS Computational Biology</i> , 2022, 18, e1010202.	3.2	1
4	Genetic Adaptation in New York City Rats. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	13
5	The clarifying role of time series data in the population genetics of HIV. <i>PLoS Genetics</i> , 2021, 17, e1009050.	3.5	26
6	Comparative Analysis of Within-Host Mutation Patterns and Diversity of Hepatitis C Virus Subtypes 1a, 1b, and 3a. <i>Viruses</i> , 2021, 13, 511.	3.3	2
7	Understanding patterns of HIV multi-drug resistance through models of temporal and spatial drug heterogeneity. <i>ELife</i> , 2021, 10, .	6.0	27
8	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.	2.3	8
9	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.	8.9	18
10	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.	1.8	5
11	Ten simple rules for an inclusive summer coding program for non-computer-science undergraduates. <i>PLoS Computational Biology</i> , 2020, 16, e1007833.	3.2	2
12	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, .	3.4	7
13	CpG-creating mutations are costly in many human viruses. <i>Evolutionary Ecology</i> , 2020, 34, 339-359.	1.2	14
14	Drivers of within-host genetic diversity in acute infections of viruses. <i>PLoS Pathogens</i> , 2020, 16, e1009029.	4.7	25
15	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
16	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
17	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
18	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0

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19	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
20	Investigating Instructor Talk in Novel Contexts: Widespread Use, Unexpected Categories, and an Emergent Sampling Strategy. CBE Life Sciences Education, 2019, 18, ar47.	2.3	31
21	Inferring population genetics parameters of evolving viruses using time-series data. Virus Evolution, 2019, 5, vez011.	4.9	10
22	Polygenic adaptation: From sweeps to subtle frequency shifts. PLoS Genetics, 2019, 15, e1008035.	3.5	113
23	Evolutionary Dynamics in Structured Populations Under Strong Population Genetic Forces. G3: Genes, Genomes, Genetics, 2019, 9, 3395-3407.	1.8	23
24	Collectively Improving Our Teaching: Attempting Biology Department-wide Professional Development in Scientific Teaching. CBE Life Sciences Education, 2018, 17, ar2.	2.3	39
25	Within-patient mutation frequencies reveal fitness costs of CpG dinucleotides and drastic amino acid changes in HIV. PLoS Genetics, 2018, 14, e1007420.	3.5	35
26	Assessing efficiency of the New England Biolabs Q5® site-directed mutagenesis kit to produce a library of aminoglycoside N-acetyltransferase mutants. FASEB Journal, 2018, 32, 798.15.	0.5	0
27	Soft Selective Sweeps in Evolutionary Rescue. Genetics, 2017, 205, 1573-1586.	2.9	41
28	Classroom sound can be used to classify teaching practices in college science courses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3085-3090.	7.1	60
29	Soft sweeps and beyond: understanding the patterns and probabilities of selection footprints under rapid adaptation. Methods in Ecology and Evolution, 2017, 8, 700-716.	5.2	235
30	A spatio-temporal assessment of simian/human immunodeficiency virus (SHIV) evolution reveals a highly dynamic process within the host. PLoS Pathogens, 2017, 13, e1006358.	4.7	25
31	The population genetics of drug resistance evolution in natural populations of viral, bacterial and eukaryotic pathogens. Molecular Ecology, 2016, 25, 42-66.	3.9	41
32	More effective drugs lead to harder selective sweeps in the evolution of drug resistance in HIV-1. ELife, 2016, 5, .	6.0	70
33	Imperfect drug penetration leads to spatial monotherapy and rapid evolution of multidrug resistance. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2874-83.	7.1	142
34	Fighting microbial drug resistance: a primer on the role of evolutionary biology in public health. Evolutionary Applications, 2015, 8, 211-222.	3.1	34
35	Loss and Recovery of Genetic Diversity in Adapting Populations of HIV. PLoS Genetics, 2014, 10, e1004000.	3.5	128
36	Geographic distribution of the anti-parasite trait "slave rebellion". Evolutionary Ecology, 2013, 27, 39-49.	1.2	11

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37	HIV drug resistance: problems and perspectives. <i>Gastroenterology Insights</i> , 2013, 5, e5.	1.2	117
38	Standing Genetic Variation and the Evolution of Drug Resistance in HIV. <i>PLoS Computational Biology</i> , 2012, 8, e1002527.	3.2	72
39	EVIDENCE OF ADAPTATION FROM ANCESTRAL VARIATION IN YOUNG POPULATIONS OF BEACH MICE. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3209-3223.	2.3	64
40	Increased host aggression as an induced defense against slave-making ants. <i>Behavioral Ecology</i> , 2011, 22, 255-260.	2.2	46
41	Association of <i>orthodenticle</i> 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, 312B, 841-854.	1.3	11
42	An Analytically Tractable Model for Competitive Speciation. <i>American Naturalist</i> , 2008, 171, E44-E71.	2.1	74
43	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.	2.3	59
44	Soft Sweeps II—Molecular Population Genetics of Adaptation from Recurrent Mutation or Migration. <i>Molecular Biology and Evolution</i> , 2006, 23, 1076-1084.	8.9	308
45	Soft Sweeps III: The Signature of Positive Selection from Recurrent Mutation. <i>PLoS Genetics</i> , 2006, 2, e186.	3.5	256
46	Soft Sweeps. <i>Genetics</i> , 2005, 169, 2335-2352.	2.9	935
47	Soft Sweeps III - The signature of positive selection from recurrent mutation. <i>PLoS Genetics</i> , 2005, preprint, e186.	3.5	1