

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

331538

21
h-index

289141

40
g-index

68
all docs

68
docs citations

68
times ranked

3788
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Sweeps. <i>Genetics</i> , 2005, 169, 2335-2352.	1.2	935
2	Soft Sweeps II—Molecular Population Genetics of Adaptation from Recurrent Mutation or Migration. <i>Molecular Biology and Evolution</i> , 2006, 23, 1076-1084.	3.5	308
3	Soft Sweeps III: The Signature of Positive Selection from Recurrent Mutation. <i>PLoS Genetics</i> , 2006, 2, e186.	1.5	256
4	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.	2.2	235
5	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.	3.3	142
6	Loss and Recovery of Genetic Diversity in Adapting Populations of HIV. <i>PLoS Genetics</i> , 2014, 10, e1004000.	1.5	128
7	HIV drug resistance: problems and perspectives. <i>Gastroenterology Insights</i> , 2013, 5, e5.	0.7	117
8	Polygenic adaptation: From sweeps to subtle frequency shifts. <i>PLoS Genetics</i> , 2019, 15, e1008035.	1.5	113
9	An Analytically Tractable Model for Competitive Speciation. <i>American Naturalist</i> , 2008, 171, E44-E71.	1.0	74
10	Standing Genetic Variation and the Evolution of Drug Resistance in HIV. <i>PLoS Computational Biology</i> , 2012, 8, e1002527.	1.5	72
11	More effective drugs lead to harder selective sweeps in the evolution of drug resistance in HIV-1. <i>ELife</i> , 2016, 5, .	2.8	70
12	EVIDENCE OF ADAPTATION FROM ANCESTRAL VARIATION IN YOUNG POPULATIONS OF BEACH MICE. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 3209-3223.	1.1	64
13	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.	3.3	60
14	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.	1.1	59
15	Increased host aggression as an induced defense against slave-making ants. <i>Behavioral Ecology</i> , 2011, 22, 255-260.	1.0	46
16	The population genetics of drug resistance evolution in natural populations of viral, bacterial and eukaryotic pathogens. <i>Molecular Ecology</i> , 2016, 25, 42-66.	2.0	41
17	Soft Selective Sweeps in Evolutionary Rescue. <i>Genetics</i> , 2017, 205, 1573-1586.	1.2	41
18	Collectively Improving Our Teaching: Attempting Biology Department-wide Professional Development in Scientific Teaching. <i>CBE Life Sciences Education</i> , 2018, 17, ar2.	1.1	39

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19	Within-patient mutation frequencies reveal fitness costs of CpG dinucleotides and drastic amino acid changes in HIV. <i>PLoS Genetics</i> , 2018, 14, e1007420.	1.5	35
20	Fighting microbial drug resistance: a primer on the role of evolutionary biology in public health. <i>Evolutionary Applications</i> , 2015, 8, 211-222.	1.5	34
21	Investigating Instructor Talk in Novel Contexts: Widespread Use, Unexpected Categories, and an Emergent Sampling Strategy. <i>CBE Life Sciences Education</i> , 2019, 18, ar47.	1.1	31
22	Understanding patterns of HIV multi-drug resistance through models of temporal and spatial drug heterogeneity. <i>ELife</i> , 2021, 10, .	2.8	27
23	The clarifying role of time series data in the population genetics of HIV. <i>PLoS Genetics</i> , 2021, 17, e1009050.	1.5	26
24	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.	2.1	25
25	Drivers of within-host genetic diversity in acute infections of viruses. <i>PLoS Pathogens</i> , 2020, 16, e1009029.	2.1	25
26	Evolutionary Dynamics in Structured Populations Under Strong Population Genetic Forces. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3395-3407.	0.8	23
27	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.	3.5	18
28	CpG-creating mutations are costly in many human viruses. <i>Evolutionary Ecology</i> , 2020, 34, 339-359.	0.5	14
29	Genetic Adaptation in New York City Rats. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	13
30	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.	0.6	11
31	Geographic distribution of the anti-parasite trait "slave rebellion". <i>Evolutionary Ecology</i> , 2013, 27, 39-49.	0.5	11
32	Inferring population genetics parameters of evolving viruses using time-series data. <i>Virus Evolution</i> , 2019, 5, vez011.	2.2	10
33	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.	1.1	8
34	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, .	1.5	7
35	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.	0.8	5
36	SIV Evolutionary Dynamics in <i>Cynomolgus</i> Macaques during SIV- <i>Mycobacterium tuberculosis</i> Co-Infection. <i>Viruses</i> , 2022, 14, 48.	1.5	3

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37	Ten simple rules for an inclusive summer coding program for non-computer-science undergraduates. PLoS Computational Biology, 2020, 16, e1007833.	1.5	2
38	Comparative Analysis of Within-Host Mutation Patterns and Diversity of Hepatitis C Virus Subtypes 1a, 1b, and 3a. Viruses, 2021, 13, 511.	1.5	2
39	Assessing in vivo mutation frequencies and creating a high-resolution genome-wide map of fitness costs of Hepatitis C virus. PLoS Genetics, 2022, 18, e1010179.	1.5	2
40	Soft Sweeps III - The signature of positive selection from recurrent mutation. PLoS Genetics, 2005, preprint, e186.	1.5	1
41	Ten simple rules for designing and running a computing minor for bio/chem students. PLoS Computational Biology, 2022, 18, e1010202.	1.5	1
42	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.	0.2	0
43	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
44	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
45	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
46	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0
47	Drivers of within-host genetic diversity in acute infections of viruses. , 2020, 16, e1009029.		0