Kathleen E Lotterhos

List of Publications by Year
in descending order

30 papers	2,905 citations	516710 16 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	3756 citing authors

#	Article	IF	Citations
1	Finding the Genomic Basis of Local Adaptation: Pitfalls, Practical Solutions, and Future Directions. American Naturalist, 2016, 188, 379-397.	2.1	663
2	Evaluation of demographic history and neutral parameterization on the performance of <scp>F_{ST}</scp> outlier tests. Molecular Ecology, 2014, 23, 2178-2192.	3.9	472
3	The relative power of genome scans to detect local adaptation depends on sampling design and statistical method. Molecular Ecology, 2015, 24, 1031-1046.	3.9	447
4	Reliable Detection of Loci Responsible for Local Adaptation: Inference of a Null Model through Trimming the Distribution ofF_{ST}. American Naturalist, 2015, 186, S24-S36.	2.1	375
5	Convergent local adaptation to climate in distantly related conifers. Science, 2016, 353, 1431-1433.	12.6	303
6	The Importance of Genetic Redundancy in Evolution. Trends in Ecology and Evolution, 2020, 35, 809-822.	8.7	99
7	Responsible <scp>RAD</scp>: Striving for best practices in population genomic studies of adaptation. Molecular Ecology Resources, 2017, 17, 366-369.	4.8	58
8	The Effect of Neutral Recombination Variation on Genome Scans for Selection. G3: Genes, Genomes, Genetics, 2019, 9, 1851-1867.	1.8	58
9	Composite measures of selection can improve the signalâ€toâ€noise ratio in genome scans. Methods in Ecology and Evolution, 2017, 8, 717-727.	5.2	48
10	<scp>minotaur</scp>: A platform for the analysis and visualization of multivariate results from genome scans with R Shiny. Molecular Ecology Resources, 2017, 17, 33-43.	4.8	45
11	Modularity of genes involved in local adaptation to climate despite physical linkage. Genome Biology, 2018, 19, 157.	8.8	41
12	Inversion invasions: when the genetic basis of local adaptation is concentrated within inversions in the face of gene flow. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	34
13	Seeing the forest for the trees: Assessing genetic offset predictions from gradient forest. Evolutionary Applications, 2022, 15, 403-416.	3.1	32
14	General DNA Methylation Patterns and Environmentally-Induced Differential Methylation in the Eastern Oyster (Crassostrea virginica). Frontiers in Marine Science, 2020, 7, .	2.5	28
15	Ocean Acidification Induces Subtle Shifts in Gene Expression and DNA Methylation in Mantle Tissue of the Eastern Oyster (Crassostrea virginica). Frontiers in Marine Science, 2020, 7, .	2.5	27
16	Fluctuating selection and global change: a synthesis and review on disentangling the roles of climate amplitude, predictability and novelty. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210727.	2.6	22
17	Comment on â€œGenomic signals of selection predict climate-driven population declines in a migratory birdâ€• Science, 2018, 361, .	12.6	19
18	Novel and disappearing climates in the global surface ocean from 1800 to 2100. Scientific Reports, 2021, 11, 15535.	3.3	18

#	Article	IF	Citations
19	Evaluation of rockfish conservation area networks in the <scp>U</scp>nited <scp>S</scp>tates and <scp>C</scp>anada relative to the dispersal distance for black rockfish (<scp>S</scp>ebastes) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	16
20	Breaking RAD: An evaluation of the utility of restriction site associated DNA sequencing for genome scans of adaptation. Molecular Ecology Resources, 2016, 17, 142.	4.8	15
21	Does a complex life cycle affect adaptation to environmental change? Genome-informed insights for characterizing selection across complex life cycle. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212122.	2.6	14
22	Analysis validation has been neglected in the Age of Reproducibility. PLoS Biology, 2018, 16, e3000070.	5.6	13
23	Invertebrate methylomes provide insight into mechanisms of environmental tolerance and reveal methodological biases. Molecular Ecology Resources, 2022, 22, 1247-1261.	4.8	12
24	Genomic architecture of supergenes: connecting form and function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	8
25	Ocean acidification alters the diversity and structure of oyster associated microbial communities. Limnology and Oceanography Letters, 2021, 6, 348-359.	3.9	6
26	Nonsignificant isolation by distance implies limited dispersal. Molecular Ecology, 2012, 21, 5637-5639.	3.9	5
27	Evolution in changing seas. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20212443.	2.6	5
28	A novel analytical framework to quantify coâ€gradient and countergradient variation. Ecology Letters, 2022, 25, 1521-1533.	6.4	4
29	Characterizing the multivariate physiogenomic response to environmental change. Molecular Ecology, 2019, 28, 2711-2714.	3.9	1
30	Parental exposure of Eastern oysters (Crassostrea virginica) to elevated <scp> p CO ₂ </scp> mitigates its negative effects on early larval shell growth and morphology. Limnology and Oceanography, 0, , .	3.1	1