

Kay Lucek

List of Publications by Year in descending order

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47
papers

2,345
citations

394286

19
h-index

254106

43
g-index

47
all docs

47
docs citations

47
times ranked

3304
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomics and the origin of species. <i>Nature Reviews Genetics</i> , 2014, 15, 176-192.	7.7	850
2	Genomics of Rapid Incipient Speciation in Sympatric Threespine Stickleback. <i>PLoS Genetics</i> , 2016, 12, e1005887.	1.5	195
3	Transitions between phases of genomic differentiation during stick-insect speciation. <i>Nature Ecology and Evolution</i> , 2017, 1, 82.	3.4	144
4	A key metabolic gene for recurrent freshwater colonization and radiation in fishes. <i>Science</i> , 2019, 364, 886-889.	6.0	109
5	Hybridization between distant lineages increases adaptive variation during a biological invasion: stickleback in Switzerland. <i>Molecular Ecology</i> , 2010, 19, 3995-4011.	2.0	96
6	Long-term balancing selection on chromosomal variants associated with crypsis in a stick insect. <i>Molecular Ecology</i> , 2017, 26, 6189-6205.	2.0	77
7	Speciation through chromosomal fusion and fission in Lepidoptera. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190539.	1.8	76
8	Towards the completion of speciation: the evolution of reproductive isolation beyond the first barriers. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190528.	1.8	75
9	DISENTANGLING THE ROLE OF PHENOTYPIC PLASTICITY AND GENETIC DIVERGENCE IN CONTEMPORARY ECOTYPE FORMATION DURING A BIOLOGICAL INVASION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2619-2632.	1.1	54
10	Repeated and predictable patterns of ecotypic differentiation during a biological invasion: lake-stream divergence in parapatric stickleback. <i>Journal of Evolutionary Biology</i> , 2013, 26, 2691-2709.	0.8	50
11	Admixture between old lineages facilitated contemporary ecological speciation in Lake Constance stickleback. <i>Nature Communications</i> , 2019, 10, 4240.	5.8	49
12	Relaxed trait covariance in interspecific cichlid hybrids predicts morphological diversity in adaptive radiations. <i>Journal of Evolutionary Biology</i> , 2014, 27, 11-24.	0.8	44
13	The role of structural genomic variants in population differentiation and ecotype formation in <i>Timema cristinae</i> walking sticks. <i>Molecular Ecology</i> , 2019, 28, 1224-1237.	2.0	39
14	Contemporary ecotypic divergence during a recent range expansion was facilitated by adaptive introgression. <i>Journal of Evolutionary Biology</i> , 2014, 27, 2233-2248.	0.8	35
15	Managing cryptic biodiversity: Fine-scale intralacustrine speciation along a benthic gradient in Alpine whitefish (<i>Coregonus</i> spp.). <i>Evolutionary Applications</i> , 2017, 10, 251-266.	1.5	35
16	Evidence of Adaptive Evolutionary Divergence during Biological Invasion. <i>PLoS ONE</i> , 2012, 7, e49377.	1.1	33
17	Quick divergence but slow convergence during ecotype formation in lake and stream stickleback pairs of variable age. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1878-1892.	0.8	31
18	Hybrid "superswarm" leads to rapid divergence and establishment of populations during a biological invasion. <i>Molecular Ecology</i> , 2015, 24, 5394-5411.	2.0	29

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19	Genomic landscape of early ecological speciation initiated by selection on nuptial colour. <i>Molecular Ecology</i> , 2017, 26, 7-24.	2.0	26
20	Distinct colonization waves underlie the diversification of the freshwater sculpin (<i>Cottus</i>) in the Iberian Peninsula. <i>Evolution</i> , 2015, 69, 1011-1021.	0.8	23
21	A holocentric twist to chromosomal speciation?. <i>Trends in Ecology and Evolution</i> , 2022, 37, 655-662.	4.2	23
22	Metabarcoding of honey to assess differences in plant-pollinator interactions between urban and non-urban sites. <i>Apidologie</i> , 2019, 50, 317-329.	0.9	19
23	Threespine Stickleback in Lake Constance: The Ecology and Genomic Substrate of a Recent Invasion. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	1.1	19
24	When Phenotypes Do Not Match Genotypes—Unexpected Phenotypic Diversity and Potential Environmental Constraints in Icelandic Stickleback. <i>Journal of Heredity</i> , 2012, 103, 579-584.	1.0	18
25	Evolutionary Mechanisms of Varying Chromosome Numbers in the Radiation of <i>Erebia</i> Butterflies. <i>Genes</i> , 2018, 9, 166.	1.0	18
26	Divergent Macroparasite Infections in Parapatric Swiss Lake-Stream Pairs of Threespine Stickleback (<i>Gasterosteus aculeatus</i>). <i>PLoS ONE</i> , 2015, 10, e0130579.	1.1	18
27	Low but contrasting neutral genetic differentiation shaped by winter temperature in European great tits. <i>Biological Journal of the Linnean Society</i> , 2016, 118, 668-685.	0.7	17
28	Secondary contact zones of closely related <i>Erebia</i> butterflies overlap with narrow phenotypic and parasitic clines. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1152-1163.	0.8	17
29	Ecosystem size matters: the dimensionality of intralacustrine diversification in Icelandic stickleback is predicted by lake size. <i>Ecology and Evolution</i> , 2016, 6, 5256-5272.	0.8	16
30	Little evidence for a selective advantage of armour-reduced threespined stickleback individuals in an invertebrate predation experiment. <i>Evolutionary Ecology</i> , 2012, 26, 1293-1309.	0.5	12
31	Distinctive insular forms of threespine stickleback (<i>Gasterosteus aculeatus</i>) from western Mediterranean islands. <i>Conservation Genetics</i> , 2015, 16, 1319-1333.	0.8	12
32	Lineage-specific adaptation to climate involves flowering time in North American <i>Arabidopsis lyrata</i> . <i>Molecular Ecology</i> , 2020, 29, 1436-1451.	2.0	12
33	Drivers of linkage disequilibrium across a species' geographic range. <i>PLoS Genetics</i> , 2021, 17, e1009477.	1.5	12
34	Intra-Alpine Islands: Population genomic inference reveals high degree of isolation between freshwater spring habitats. <i>Diversity and Distributions</i> , 2022, 28, 291-305.	1.9	11
35	Prevalence and relationship of endosymbiotic <i>Wolbachia</i> in the butterfly genus <i>Erebia</i> . <i>Bmc Ecology and Evolution</i> , 2021, 21, 95.	0.7	9
36	Cryptic invasion drives phenotypic changes in central European threespine stickleback. <i>Conservation Genetics</i> , 2016, 17, 993-999.	0.8	8

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37	Effects of interspecific gene flow on the phenotypic variance-covariance matrix in Lake Victoria Cichlids. <i>Hydrobiologia</i> , 2017, 791, 145-154.	1.0	7
38	Recent sympatric speciation involving habitat-associated nuptial colour polymorphism in a crater lake cichlid. <i>Hydrobiologia</i> , 2019, 832, 297-315.	1.0	6
39	Correlating Shape Variation with Feeding Performance to Test for Adaptive Divergence in Recently Invading Stickleback Populations from Swiss peri-alpine Environments. <i>Lecture Notes in Earth Sciences</i> , 2010, , 233-257.	0.5	5
40	Postglacial ecotype formation under outcrossing and self-fertilization in <i>Arabidopsis lyrata</i> . <i>Molecular Ecology</i> , 2019, 28, 1043-1055.	2.0	5
41	Allopatric and sympatric diversification within roach (<i>Rutilus rutilus</i>) of large pre-alpine lakes. <i>Journal of Evolutionary Biology</i> , 2019, 32, 1174-1185.	0.8	4
42	Reply to "Re-evaluating the evidence for facilitation of stickleback speciation by admixture in the Lake Constance basin". <i>Nature Communications</i> , 2021, 12, 2807.	5.8	3
43	On the Status of Threespine Stickleback (<i>Gasterosteus aculeatus</i> Linnaeus 1758) in Lake Bracciano, Italy. <i>Fishes</i> , 2018, 3, 17.	0.7	2
44	Lack of genetic structure suggests high connectivity of <i>Parnassius phoebus</i> between nearby valleys in the Alps. <i>Alpine Entomology</i> , 0, 6, 1-6.	0.2	2
45	First record of freshwater fish on the Cape Verdean archipelago. <i>African Zoology</i> , 2012, 47, 341-344.	0.2	0
46	First Record of Freshwater Fish on the Cape Verdean Archipelago. <i>African Zoology</i> , 2012, 47, 341-344.	0.2	0
47	Lost in dead wood? Environmental DNA sequencing from dead wood shows little signs of saproxylic beetles. <i>Environmental DNA</i> , 0, , .	3.1	0