

Luis-Miguel Chevin

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

4,249
citations

236612

25
h-index

223531

46
g-index

56
all docs

56
docs citations

56
times ranked

5455
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation, Plasticity, and Extinction in a Changing Environment: Towards a Predictive Theory. <i>PLoS Biology</i> , 2010, 8, e1000357.	2.6	1,476
2	Evolution of phenotypic plasticity in extreme environments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160138.	1.8	267
3	WHEN DO ADAPTIVE PLASTICITY AND GENETIC EVOLUTION PREVENT EXTINCTION OF A DENSITY-REGULATED POPULATION?. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 1143-1150.	1.1	216
4	Selective Sweep at a Quantitative Trait Locus in the Presence of Background Genetic Variation. <i>Genetics</i> , 2008, 180, 1645-1660.	1.2	173
5	Phenotypic plasticity in response to climate change: the importance of cue variation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180178.	1.8	165
6	Adaptation to marginal habitats by evolution of increased phenotypic plasticity. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1462-1476.	0.8	163
7	On measuring selection in experimental evolution. <i>Biology Letters</i> , 2011, 7, 210-213.	1.0	162
8	Phenotypic plasticity and evolutionary demographic responses to climate change: taking theory out to the field. <i>Functional Ecology</i> , 2013, 27, 967-979.	1.7	152
9	Phenotypic plasticity in evolutionary rescue experiments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120089.	1.8	130
10	FISHER'S MODEL AND THE GENOMICS OF ADAPTATION: RESTRICTED PLEIOTROPY, HETEROGENOUS MUTATION, AND PARALLEL EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 3213-3231.	1.1	127
11	GENETIC CONSTRAINTS ON ADAPTATION TO A CHANGING ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 708-721.	1.1	100
12	Predicting evolutionary rescue via evolving plasticity in stochastic environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161690.	1.2	98
13	Evolution of environmental cues for phenotypic plasticity. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2767-2775.	1.1	84
14	Estimating the variation, autocorrelation, and environmental sensitivity of phenotypic selection. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2319-2332.	1.1	74
15	Fluctuating optimum and temporally variable selection on breeding date in birds and mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31969-31978.	3.3	69
16	NICHE DIMENSIONALITY AND THE GENETICS OF ECOLOGICAL SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1244-1256.	1.1	66
17	Reduced phenotypic plasticity evolves in less predictable environments. <i>Ecology Letters</i> , 2020, 23, 1664-1672.	3.0	64
18	Stochastic Evolutionary Demography under a Fluctuating Optimum Phenotype. <i>American Naturalist</i> , 2017, 190, 786-802.	1.0	43

#	ARTICLE	IF	CITATIONS
19	Hitchhiking Both Ways: Effect of Two Interfering Selective Sweeps on Linked Neutral Variation. <i>Genetics</i> , 2008, 180, 301-316.	1.2	39
20	Evolutionary Rescue over a Fitness Landscape. <i>Genetics</i> , 2018, 209, 265-279.	1.2	39
21	Automixis in <i>Artemia</i> : solving a century-old controversy. <i>Journal of Evolutionary Biology</i> , 2015, 28, 2337-2348.	0.8	38
22	Phenotypic memory drives population growth and extinction risk in a noisy environment. <i>Nature Ecology and Evolution</i> , 2020, 4, 193-201.	3.4	37
23	Where is the optimum? Predicting the variation of selection along climatic gradients and the adaptive value of plasticity. A case study on tree phenology. <i>Evolution Letters</i> , 2020, 4, 109-123.	1.6	36
24	Evolution of adult size depends on genetic variance in growth trajectories: a comment on analyses of evolutionary dynamics using integral projection models. <i>Methods in Ecology and Evolution</i> , 2015, 6, 981-986.	2.2	34
25	Maladaptive Shifts in Life History in a Changing Environment. <i>American Naturalist</i> , 2019, 194, 558-573.	1.0	34
26	Patterns of Molecular Evolution Associated With Two Selective Sweeps in the T _b Dwarf8 Region in Maize. <i>Genetics</i> , 2008, 180, 1107-1121.	1.2	32
27	Evolution of Discrete Phenotypes from Continuous Norms of Reaction. <i>American Naturalist</i> , 2013, 182, 13-27.	1.0	32
28	Niche Limits of Symbiotic Gut Microbiota Constrain the Salinity Tolerance of Brine Shrimp. <i>American Naturalist</i> , 2015, 186, 390-403.	1.0	30
29	EVOLUTION OF PHENOTYPE-ENVIRONMENT ASSOCIATIONS BY GENETIC RESPONSES TO SELECTION AND PHENOTYPIC PLASTICITY IN A TEMPORALLY AUTOCORRELATED ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1374-1384.	1.1	29
30	The temporal distribution of directional gradients under selection for an optimum. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3381-3394.	1.1	26
31	Selection on skewed characters and the paradox of stasis. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2703-2713.	1.1	24
32	Chaos and the (un)predictability of evolution in a changing environment. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 375-385.	1.1	23
33	Resurrection ecology in <i>Artemia</i> . <i>Evolutionary Applications</i> , 2018, 11, 76-87.	1.5	22
34	The Hitchhiking Effect of an Autosomal Meiotic Drive Gene. <i>Genetics</i> , 2006, 173, 1829-1832.	1.2	17
35	Species selection and random drift in macroevolution. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 513-525.	1.1	17
36	Selective Sweep at a QTL in a Randomly Fluctuating Environment. <i>Genetics</i> , 2019, 213, 987-1005.	1.2	17

#	ARTICLE	IF	CITATIONS
37	Using phenotypic plasticity to understand the structure and evolution of the genotypeâ€“phenotype map. <i>Genetica</i> , 2022, 150, 209-221.	0.5	16
38	How does the strength of selection influence genetic correlations?. <i>Evolution Letters</i> , 2020, 4, 468-478.	1.6	15
39	Ageâ€“dependent phenological plasticity in a wild bird. <i>Journal of Animal Ecology</i> , 2020, 89, 2733-2741.	1.3	14
40	From adaptation to molecular evolution. <i>Heredity</i> , 2012, 108, 457-459.	1.2	8
41	The ontogeny of tolerance curves: habitat quality vs. acclimation in a stressful environment. <i>Journal of Animal Ecology</i> , 2016, 85, 1625-1635.	1.3	8
42	Predicting population genetic change in an autocorrelated random environment: Insights from a large automated experiment. <i>PLoS Genetics</i> , 2021, 17, e1009611.	1.5	8
43	Frequency dependence and the predictability of evolution in a changing environment. <i>Evolution Letters</i> , 2022, 6, 21-33.	1.6	8
44	Plasticity across levels: Relating epigenomic, transcriptomic, and phenotypic responses to osmotic stress in a halotolerant microalga. <i>Molecular Ecology</i> , 2022, 31, 4672-4687.	2.0	7
45	Fluctuations in lifetime selection in an autocorrelated environment. <i>Theoretical Population Biology</i> , 2020, 134, 119-128.	0.5	4
46	Molecular signature of epistatic selection: interrogating genetic interactions in the <i>sex-ratio</i> meiotic drive of <i>Drosophila simulans</i> . <i>Genetical Research</i> , 2009, 91, 171-182.	0.3	3