

# Luis-Miguel Chevin

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

4,249  
citations

218677

26  
h-index

223800

46  
g-index

56  
all docs

56  
docs citations

56  
times ranked

5455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using phenotypic plasticity to understand the structure and evolution of the genotypeâ€“phenotype map. <i>Genetica</i> , 2022, 150, 209-221.	1.1	16
2	Frequency dependence and the predictability of evolution in a changing environment. <i>Evolution Letters</i> , 2022, 6, 21-33.	3.3	8
3	Plasticity across levels: Relating epigenomic, transcriptomic, and phenotypic responses to osmotic stress in a halotolerant microalga. <i>Molecular Ecology</i> , 2022, 31, 4672-4687.	3.9	7
4	Predicting population genetic change in an autocorrelated random environment: Insights from a large automated experiment. <i>PLoS Genetics</i> , 2021, 17, e1009611.	3.5	8
5	How does the strength of selection influence genetic correlations?. <i>Evolution Letters</i> , 2020, 4, 468-478.	3.3	15
6	Reduced phenotypic plasticity evolves in less predictable environments. <i>Ecology Letters</i> , 2020, 23, 1664-1672.	6.4	64
7	Ageâ€“dependent phenological plasticity in a wild bird. <i>Journal of Animal Ecology</i> , 2020, 89, 2733-2741.	2.8	14
8	Phenotypic memory drives population growth and extinction risk in a noisy environment. <i>Nature Ecology and Evolution</i> , 2020, 4, 193-201.	7.8	37
9	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.	3.3	36
10	Fluctuations in lifetime selection in an autocorrelated environment. <i>Theoretical Population Biology</i> , 2020, 134, 119-128.	1.1	4
11	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.	7.1	69
12	Selective Sweep at a QTL in a Randomly Fluctuating Environment. <i>Genetics</i> , 2019, 213, 987-1005.	2.9	17
13	Maladaptive Shifts in Life History in a Changing Environment. <i>American Naturalist</i> , 2019, 194, 558-573.	2.1	34
14	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.	4.0	165
15	Chaos and the (un)predictability of evolution in a changing environment. <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 375-385.	2.3	23
16	Evolutionary Rescue over a Fitness Landscape. <i>Genetics</i> , 2018, 209, 265-279.	2.9	39
17	Resurrection ecology in <i>Artemia</i> . <i>Evolutionary Applications</i> , 2018, 11, 76-87.	3.1	22
18	Evolution of phenotypic plasticity in extreme environments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160138.	4.0	267

#	ARTICLE	IF	CITATIONS
19	Stochastic Evolutionary Demography under a Fluctuating Optimum Phenotype. <i>American Naturalist</i> , 2017, 190, 786-802.	2.1	43
20	Selection on skewed characters and the paradox of stasis. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 2703-2713.	2.3	24
21	Predicting evolutionary rescue via evolving plasticity in stochastic environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161690.	2.6	98
22	The ontogeny of tolerance curves: habitat quality vs. acclimation in a stressful environment. <i>Journal of Animal Ecology</i> , 2016, 85, 1625-1635.	2.8	8
23	Species selection and random drift in macroevolution. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 513-525.	2.3	17
24	Estimating the variation, autocorrelation, and environmental sensitivity of phenotypic selection. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2319-2332.	2.3	74
25	Evolution of environmental cues for phenotypic plasticity. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 2767-2775.	2.3	84
26	Automixis in <i>Artemia</i> : solving a century-old controversy. <i>Journal of Evolutionary Biology</i> , 2015, 28, 2337-2348.	1.7	38
27	Niche Limits of Symbiotic Gut Microbiota Constrain the Salinity Tolerance of Brine Shrimp. <i>American Naturalist</i> , 2015, 186, 390-403.	2.1	30
28	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.	5.2	34
29	The temporal distribution of directional gradients under selection for an optimum. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3381-3394.	2.3	26
30	NICHE DIMENSIONALITY AND THE GENETICS OF ECOLOGICAL SPECIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1244-1256.	2.3	66
31	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.	2.3	29
32	Phenotypic plasticity and evolutionary demographic responses to climate change: taking theory out to the field. <i>Functional Ecology</i> , 2013, 27, 967-979.	3.6	152
33	Phenotypic plasticity in evolutionary rescue experiments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120089.	4.0	130
34	GENETIC CONSTRAINTS ON ADAPTATION TO A CHANGING ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 708-721.	2.3	100
35	Evolution of Discrete Phenotypes from Continuous Norms of Reaction. <i>American Naturalist</i> , 2013, 182, 13-27.	2.1	32
36	From adaptation to molecular evolution. <i>Heredity</i> , 2012, 108, 457-459.	2.6	8

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37	On measuring selection in experimental evolution. <i>Biology Letters</i> , 2011, 7, 210-213.	2.3	162
38	Adaptation to marginal habitats by evolution of increased phenotypic plasticity. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1462-1476.	1.7	163
39	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.	2.3	216
40	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.	2.3	127
41	Adaptation, Plasticity, and Extinction in a Changing Environment: Towards a Predictive Theory. <i>PLoS Biology</i> , 2010, 8, e1000357.	5.6	1,476
42	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.	0.9	3
43	Selective Sweep at a Quantitative Trait Locus in the Presence of Background Genetic Variation. <i>Genetics</i> , 2008, 180, 1645-1660.	2.9	173
44	Patterns of Molecular Evolution Associated With Two Selective Sweeps in the <i>Tb1</i> "Dwarf8 Region in Maize. <i>Genetics</i> , 2008, 180, 1107-1121.	2.9	32
45	Hitchhiking Both Ways: Effect of Two Interfering Selective Sweeps on Linked Neutral Variation. <i>Genetics</i> , 2008, 180, 301-316.	2.9	39
46	The Hitchhiking Effect of an Autosomal Meiotic Drive Gene. <i>Genetics</i> , 2006, 173, 1829-1832.	2.9	17