

# Jean-François Le Galliard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5251152/publications.pdf>

Version: 2024-02-01

96  
papers

4,528  
citations

126907

33  
h-index

114465

63  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Informed dispersal, heterogeneity in animal dispersal syndromes and the dynamics of spatially structured populations. <i>Ecology Letters</i> , 2009, 12, 197-209.	6.4	976
2	Sex ratio bias, male aggression, and population collapse in lizards. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18231-18236.	7.1	344
3	A comparative analysis of dispersal syndromes in terrestrial and semi-terrestrial animals. <i>Ecology Letters</i> , 2014, 17, 1039-1052.	6.4	199
4	Physical performance and darwinian fitness in lizards. <i>Nature</i> , 2004, 432, 502-505.	27.8	186
5	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1-17.	2.3	132
6	Personality and the pace-of-life syndrome: variation and selection on exploration, metabolism and locomotor performances. <i>Functional Ecology</i> , 2013, 27, 136-144.	3.6	129
7	Adaptive Evolution of Social Traits: Origin, Trajectories, and Correlations of Altruism and Mobility. <i>American Naturalist</i> , 2005, 165, 206-224.	2.1	120
8	Mother-offspring interactions affect natal dispersal in a lizard. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1163-1169.	2.6	97
9	When water interacts with temperature: Ecological and evolutionary implications of thermo-hydroregulation in terrestrial ectotherms. <i>Ecology and Evolution</i> , 2019, 9, 10029-10043.	1.9	97
10	Timing of locomotor impairment and shift in thermal preferences during gravidity in a viviparous lizard. <i>Functional Ecology</i> , 2003, 17, 877-885.	3.6	83
11	CONFLICT OVER MULTIPLE-PARTNER MATING BETWEEN MALES AND FEMALES OF THE POLYGYNANDROUS COMMON LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2451-2459.	2.3	79
12	Operational sex ratio, sexual conflict and the intensity of sexual selection. <i>Ecology Letters</i> , 2008, 11, 432-439.	6.4	76
13	Patterns and processes of dispersal behaviour in arvicoline rodents. <i>Molecular Ecology</i> , 2012, 21, 505-523.	3.9	76
14	The Metatron: an experimental system to study dispersal and metaecosystems for terrestrial organisms. <i>Nature Methods</i> , 2012, 9, 828-833.	19.0	70
15	Shorter telomeres precede population extinction in wild lizards. <i>Scientific Reports</i> , 2017, 7, 16976.	3.3	69
16	Natal dispersal, interactions among siblings and intrasexual competition. <i>Behavioral Ecology</i> , 2006, 17, 733-740.	2.2	62
17	Cohort variation, climate effects and population dynamics in a short-lived lizard. <i>Journal of Animal Ecology</i> , 2010, 79, 1296-1307.	2.8	57
18	INTERGENERATIONAL EFFECTS OF CLIMATE GENERATE COHORT VARIATION IN LIZARD REPRODUCTIVE PERFORMANCE. <i>Ecology</i> , 2008, 89, 2575-2583.	3.2	55

#	ARTICLE	IF	CITATIONS
19	Environmentally induced changes in carotenoid-based coloration of female lizards: a comment on Vercken <i>et al.</i> . <i>Journal of Evolutionary Biology</i> , 2008, 21, 1165-1172.	1.7	52
20	Interindividual Variation in Thermal Sensitivity of Maximal Sprint Speed, Thermal Behavior, and Resting Metabolic Rate in a Lizard. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 458-469.	1.5	52
21	Ontogenetic sources of variation in sexual size dimorphism in a viviparous lizard. <i>Journal of Evolutionary Biology</i> , 2006, 19, 690-704.	1.7	48
22	The importance of short and near infrared wavelength sensitivity for visual discrimination in two species of lacertid lizards. <i>Journal of Experimental Biology</i> , 2015, 218, 458-65.	1.7	44
23	Natal dispersal correlates with behavioral traits that are not consistent across early life stages. <i>Behavioral Ecology</i> , 2011, 22, 176-183.	2.2	42
24	Effect of patch occupancy on immigration in the common lizard. <i>Journal of Animal Ecology</i> , 2005, 74, 241-249.	2.8	41
25	Genotypic variability enhances the reproducibility of an ecological study. <i>Nature Ecology and Evolution</i> , 2018, 2, 279-287.	7.8	41
26	Juvenile growth and survival under dietary restriction: are males and females equal?. <i>Oikos</i> , 2005, 111, 368-376.	2.7	40
27	Effects of individual condition and habitat quality on natal dispersal behaviour in a small rodent. <i>Journal of Animal Ecology</i> , 2011, 80, 929-937.	2.8	40
28	Water availability and environmental temperature correlate with geographic variation in water balance in common lizards. <i>Oecologia</i> , 2017, 185, 561-571.	2.0	40
29	LIFETIME AND INTERGENERATIONAL FITNESS CONSEQUENCES OF HARMFUL MALE INTERACTIONS FOR FEMALE LIZARDS. <i>Ecology</i> , 2008, 89, 56-64.	3.2	39
30	Immediate and delayed life history effects caused by food deprivation early in life in a short-lived lizard. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1886-1898.	1.7	38
31	Reproductive allocation strategies: a long-term study on proximate factors and temporal adjustments in a viviparous lizard. <i>Oecologia</i> , 2013, 171, 141-151.	2.0	37
32	Do personalities co-vary with metabolic expenditure and glucocorticoid stress response in adult lizards?. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 951-961.	1.4	36
33	Territory ownership and familiarity status affect how much male root voles ( <i>Microtus oeconomus</i> ) invest in territory defence. <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 1559-1568.	1.4	35
34	Inconsistency between Different Measures of Sexual Selection. <i>American Naturalist</i> , 2011, 178, 256-268.	2.1	35
35	Ultraviolet and carotenoid-based coloration in the viviparous lizard <i>Zootoca vivipara</i> (Squamata: Lacertidae) in relation to age, sex, and morphology. <i>Biological Journal of the Linnean Society</i> , 2013, 110, 128-141.	1.6	34
36	An experimental test of density-dependent selection on temperament traits of activity, boldness and sociability. <i>Journal of Evolutionary Biology</i> , 2015, 28, 1144-1155.	1.7	34

#	ARTICLE	IF	CITATIONS
37	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
38	Climate and habitat interact to shape the thermal reaction norms of breeding phenology across lizard populations. <i>Journal of Animal Ecology</i> , 2016, 85, 457-466.	2.8	33
39	Reduction in baseline corticosterone secretion correlates with climate warming and drying across wild lizard populations. <i>Journal of Animal Ecology</i> , 2018, 87, 1331-1341.	2.8	33
40	Cohort variation in offspring growth and survival: prenatal and postnatal factors in a late-maturing viviparous snake. <i>Journal of Animal Ecology</i> , 2010, 79, 640-649.	2.8	32
41	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. <i>Global Change Biology</i> , 2021, 27, 1387-1407.	9.5	32
42	Quantification of correlational selection on thermal physiology, thermoregulatory behavior, and energy metabolism in lizards. <i>Ecology and Evolution</i> , 2015, 5, 3600-3609.	1.9	31
43	Female common lizards ( <i>Lacerta vivipara</i> ) do not adjust their sex-biased investment in relation to the adult sex ratio. <i>Journal of Evolutionary Biology</i> , 2005, 18, 1455-1463.	1.7	30
44	Water availability and temperature induce changes in oxidative status during pregnancy in a viviparous lizard. <i>Functional Ecology</i> , 2020, 34, 475-485.	3.6	28
45	Geographic variation and acclimation effects on thermoregulation behavior in the widespread lizard <i>Liolaemus pictus</i> . <i>Journal of Thermal Biology</i> , 2017, 63, 78-87.	2.5	27
46	Disentangling the effects of predator body size and prey density on prey consumption in a lizard. <i>Functional Ecology</i> , 2011, 25, 158-165.	3.6	25
47	Intermittent breeding and the dynamics of resource allocation to reproduction, growth and survival. <i>Functional Ecology</i> , 2013, 27, 173-183.	3.6	25
48	Density-dependent life history and the dynamics of small populations. <i>Journal of Animal Ecology</i> , 2013, 82, 1227-1239.	2.8	22
49	Water restriction causes an intergenerational trade-off and delayed mother-offspring conflict in a viviparous lizard. <i>Functional Ecology</i> , 2018, 32, 676-686.	3.6	22
50	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 1.	2.3	21
51	Water restriction induces behavioral fight but impairs thermoregulation in a dry-skinned ectotherm. <i>Oikos</i> , 2020, 129, 572-584.	2.7	20
52	Density-dependent immunity and parasitism risk in experimental populations of lizards naturally infested by ixodid ticks. <i>Ecology</i> , 2015, 96, 450-460.	3.2	19
53	Mating does not influence reproductive investment, in a viviparous lizard. <i>Journal of Experimental Zoology</i> , 2011, 315A, 458-464.	1.2	18
54	Climate and Atmosphere Simulator for Experiments on Ecological Systems in Changing Environments. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8744-8753.	10.0	18

#	ARTICLE	IF	CITATIONS
55	Direct and socially-mediated effects of food availability late in life on life-history variation in a short-lived lizard. <i>Oecologia</i> , 2011, 166, 949-960.	2.0	17
56	How to Integrate Experimental Research Approaches in Ecological and Environmental Studies: AnaEE France as an Example. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	17
57	Demographic responses to a mild winter in enclosed vole populations. <i>Population Ecology</i> , 2009, 51, 279-288.	1.2	16
58	Food distribution influences social organization and population growth in a small rodent. <i>Behavioral Ecology</i> , 2013, 24, 832-841.	2.2	16
59	UV color determines the issue of conflicts but does not covary with individual quality in a lizard. <i>Behavioral Ecology</i> , 2016, 27, 262-270.	2.2	16
60	Some like it dry: Water restriction overrides heterogametic sex determination in two reptiles. <i>Ecology and Evolution</i> , 2019, 9, 6524-6533.	1.9	16
61	Chronic water restriction triggers sex-specific oxidative stress and telomere shortening in lizards. <i>Biology Letters</i> , 2020, 16, 20190889.	2.3	16
62	A worldwide and annotated database of evaporative water loss rates in squamate reptiles. <i>Global Ecology and Biogeography</i> , 2021, 30, 1938-1950.	5.8	16
63	UV coloration influences spatial dominance but not agonistic behaviors in male wall lizards. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1483-1491.	1.4	15
64	Water restriction in viviparous lizards causes transgenerational effects on behavioral anxiety and immediate effects on exploration behavior. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	15
65	Water deprivation compromises maternal physiology and reproductive success in a cold and wet adapted snake <i>Vipera berus</i> . , 2021, 9, coab071.		15
66	Population and Life-History Consequences of Within-Cohort Individual Variation. <i>American Naturalist</i> , 2011, 178, 525-537.	2.1	13
67	Dispersal and range dynamics in changing climates: a review. , 2012, , 317-336.		13
68	Habitat degradation increases stress-hormone levels during the breeding season, and decreases survival and reproduction in adult common lizards. <i>Oecologia</i> , 2017, 184, 75-86.	2.0	12
69	Intense nocturnal warming alters growth strategies, colouration and parasite load in a diurnal lizard. <i>Journal of Animal Ecology</i> , 2021, 90, 1864-1877.	2.8	12
70	The relative importance of body size and UV coloration in influencing male-male competition in a lacertid lizard. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	11
71	Interaction of hydric and thermal conditions drive geographic variation in thermoregulation in a widespread lizard. <i>Ecological Monographs</i> , 2021, 91, e01440.	5.4	11
72	Multi-determinism in natal dispersal: the common lizard as a model system. , 2012, , 29-40.		11

#	ARTICLE	IF	CITATIONS
73	Acclimation to Water Restriction Implies Different Paces for Behavioral and Physiological Responses in a Lizard Species. <i>Physiological and Biochemical Zoology</i> , 2020, 93, 160-174.	1.5	10
74	Male ultraviolet reflectance and female mating history influence female mate choice and male mating success in a polyandrous lizard. <i>Biological Journal of the Linnean Society</i> , 2020, 130, 586-598.	1.6	10
75	Mother-offspring interactions do not affect natal dispersal in a small rodent. <i>Behavioral Ecology</i> , 2007, 18, 665-673.	2.2	9
76	Chronic stress, energy transduction, and free-radical production in a reptile. <i>Oecologia</i> , 2017, 185, 195-203.	2.0	9
77	Microgeographic shift between negligible and actuarial senescence in a wild snake. <i>Journal of Animal Ecology</i> , 2020, 89, 2704-2716.	2.8	9
78	Biotic soil-plant interaction processes explain most of hysteretic soil CO2 efflux response to temperature in cross-factorial mesocosm experiment. <i>Scientific Reports</i> , 2020, 10, 905.	3.3	9
79	Concurrent effects of age class and food distribution on immigration success and population dynamics in a small mammal. <i>Journal of Animal Ecology</i> , 2014, 83, 813-822.	2.8	8
80	A coordinated set of ecosystem research platforms open to international research in ecotoxicology, AnaEE-France. <i>Environmental Science and Pollution Research</i> , 2015, 22, 16215-16228.	5.3	8
81	Population viability analysis of plant and animal populations with stochastic integral projection models. <i>Oecologia</i> , 2016, 182, 1031-1043.	2.0	8
82	Additive effects of temperature and water availability on pregnancy in a viviparous lizard. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	8
83	Genetic variation in light vision and light-dependent movement behaviour in the eyeless <i>Collembola Folsomia candida</i> . <i>Pedobiologia</i> , 2017, 61, 33-41.	1.2	7
84	Genetic and demographic trends from rear to leading edge are explained by climate and forest cover in a cold-adapted ectotherm. <i>Diversity and Distributions</i> , 2021, 27, 267-281.	4.1	7
85	Short-term changes in air humidity and water availability weakly constrain thermoregulation in a dry-skinned ectotherm. <i>PLoS ONE</i> , 2021, 16, e0247514.	2.5	7
86	Additive effects of developmental acclimation and physiological syndromes on lifetime metabolic and water loss rates of a dry-skinned ectotherm. <i>Functional Ecology</i> , 2022, 36, 432-445.	3.6	7
87	Ontogenetic trajectories of body coloration reveal its function as a multicomponent nonsenescent signal. <i>Ecology and Evolution</i> , 2018, 8, 12299-12307.	1.9	6
88	Short-term change in water availability influences thermoregulation behaviours in a dry-skinned ectotherm. <i>Journal of Animal Ecology</i> , 2020, 89, 2099-2110.	2.8	6
89	Sex-specific fitness returns are too weak to select for non-random patterns of sex allocation in a viviparous snake. <i>Oecologia</i> , 2010, 164, 369-378.	2.0	5
90	Sex-specific density-dependent secretion of glucocorticoids in lizards: insights from laboratory and field experiments. <i>Oikos</i> , 2017, 126, 1051-1061.	2.7	5

#	ARTICLE	IF	CITATIONS
91	The role of social costs as a mechanism enforcing the honesty of ultraviolet-reflecting signals in a lizard. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 1126-1138.	1.6	5
92	Two stressors are worse than one: combined heatwave and drought affect hydration state and glucocorticoid levels in a temperate ectotherm. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	5
93	CONFLICT OVER MULTIPLE-PARTNER MATING BETWEEN MALES AND FEMALES OF THE POLYGYNANDROUS COMMON LIZARDS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 2451.	2.3	4
94	Mother-offspring conflict for water and its mitigation in the oviparous form of the reproductively bimodal lizard, <i>Zootoca vivipara</i> . <i>Biological Journal of the Linnean Society</i> , 2020, 129, 888-900.	1.6	4
95	Effects of miniature transponders on physiological stress, locomotor activity, growth and survival in small lizards. <i>Amphibia - Reptilia</i> , 2011, 32, 177-183.	0.5	3
96	Chronic elevation of glucorticoids late in life generates long lasting changes in physiological state without a life history switch. <i>General and Comparative Endocrinology</i> , 2020, 285, 113288.	1.8	3