Jean-FranÃ§ois Le Galliard

List of Publications by Year
in descending order

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	Additive effects of developmental acclimation and physiological syndromes on lifetime metabolic and water loss rates of a dryâ€skinned ectotherm. Functional Ecology, 2022, 36, 432-445.	3.6	7
2	Two stressors are worse than one: combined heatwave and drought affect hydration state and glucocorticoid levels in a temperate ectotherm. Journal of Experimental Biology, 2022, 225, .	1.7	5
3	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. Science, 2022, 376, 1459-1466.	12.6	34
4	Interaction of hydric and thermal conditions drive geographic variation in thermoregulation in a widespread lizard. Ecological Monographs, 2021, 91, e01440.	5.4	11
5	Ecotrons: Powerful and versatile ecosystem analysers for ecology, agronomy and environmental science. Global Change Biology, 2021, 27, 1387-1407.	9.5	32
6	Genetic and demographic trends from rear to leading edge are explained by climate and forest cover in a coldâ€adapted ectotherm. Diversity and Distributions, 2021, 27, 267-281.	4.1	7
7	Water deprivation compromises maternal physiology and reproductive success in a cold and wet adapted snake Vipera berus. , 2021, 9, coab071.		15
8	Short-term changes in air humidity and water availability weakly constrain thermoregulation in a dry-skinned ectotherm. PLoS ONE, 2021, 16, e0247514.	2.5	7
9	Intense nocturnal warming alters growth strategies, colouration and parasite load in a diurnal lizard. Journal of Animal Ecology, 2021, 90, 1864-1877.	2.8	12
10	The role of social costs as a mechanism enforcing the honesty of ultraviolet-reflecting signals in a lizard. Biological Journal of the Linnean Society, 2021, 133, 1126-1138.	1.6	5
11	A worldwide and annotated database of evaporative water loss rates in squamate reptiles. Global Ecology and Biogeography, 2021, 30, 1938-1950.	5.8	16
12	Chronic elevation of glucorticoids late in life generates long lasting changes in physiological state without a life history switch. General and Comparative Endocrinology, 2020, 285, 113288.	1.8	3
13	Water availability and temperature induce changes in oxidative status during pregnancy in a viviparous lizard. Functional Ecology, 2020, 34, 475-485.	3.6	28
14	Acclimation to Water Restriction Implies Different Paces for Behavioral and Physiological Responses in a Lizard Species. Physiological and Biochemical Zoology, 2020, 93, 160-174.	1.5	10
15	Water restriction induces behavioral fight but impairs thermoregulation in a dryâ€skinned ectotherm. Oikos, 2020, 129, 572-584.	2.7	20
16	Additive effects of temperature and water availability on pregnancy in a viviparous lizard. Journal of Experimental Biology, 2020, 223, .	1.7	8
17	Microâ€geographic shift between negligible and actuarial senescence in a wild snake. Journal of Animal Ecology, 2020, 89, 2704-2716.	2.8	9
18	Male ultraviolet reflectance and female mating history influence female mate choice and male mating success in a polyandrous lizard. Biological Journal of the Linnean Society, 2020, 130, 586-598.	1.6	10

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19	Shortâ€term change in water availability influences thermoregulation behaviours in a dryâ€skinned ectotherm. Journal of Animal Ecology, 2020, 89, 2099-2110.	2.8	6
20	Chronic water restriction triggers sex-specific oxidative stress and telomere shortening in lizards. Biology Letters, 2020, 16, 20190889.	2.3	16
21	Biotic soil-plant interaction processes explain most of hysteretic soil CO2 efflux response to temperature in cross-factorial mesocosm experiment. Scientific Reports, 2020, 10, 905.	3.3	9
22	Mother-offspring conflict for water and its mitigation in the oviparous form of the reproductively bimodal lizard, Zootoca vivipara. Biological Journal of the Linnean Society, 2020, 129, 888-900.	1.6	4
23	When water interacts with temperature: Ecological and evolutionary implications of thermoâ€hydroregulation in terrestrial ectotherms. Ecology and Evolution, 2019, 9, 10029-10043.	1.9	97
24	The relative importance of body size and UV coloration in influencing male-male competition in a lacertid lizard. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	11
25	Some like it dry: Water restriction overrides heterogametic sex determination in two reptiles. Ecology and Evolution, 2019, 9, 6524-6533.	1.9	16
26	Water restriction in viviparous lizards causes transgenerational effects on behavioral anxiety and immediate effects on exploration behavior. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	15
27	Genotypic variability enhances the reproducibility of an ecological study. Nature Ecology and Evolution, 2018, 2, 279-287.	7.8	41
28	Water restriction causes an intergenerational tradeâ€off and delayed motherâ€“offspring conflict in a viviparous lizard. Functional Ecology, 2018, 32, 676-686.	3.6	22
29	Ontogenetic trajectories of body coloration reveal its function as a multicomponent nonsenescent signal. Ecology and Evolution, 2018, 8, 12299-12307.	1.9	6
30	How to Integrate Experimental Research Approaches in Ecological and Environmental Studies: AnaEE France as an Example. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	17
31	Reduction in baseline corticosterone secretion correlates with climate warming and drying across wild lizard populations. Journal of Animal Ecology, 2018, 87, 1331-1341.	2.8	33
32	Genetic variation in light vision and light-dependent movement behaviour in the eyeless Collembola Folsomia candida. Pedobiologia, 2017, 61, 33-41.	1.2	7
33	Habitat degradation increases stress-hormone levels during the breeding season, and decreases survival and reproduction in adult common lizards. Oecologia, 2017, 184, 75-86.	2.0	12
34	Sexâ€specific densityâ€dependent secretion of glucocorticoids in lizards: insights from laboratory and field experiments. Oikos, 2017, 126, 1051-1061.	2.7	5
35	Water availability and environmental temperature correlate with geographic variation in water balance in common lizards. Oecologia, 2017, 185, 561-571.	2.0	40
36	Chronic stress, energy transduction, and free-radical production in a reptile. Oecologia, 2017, 185, 195-203.	2.0	9

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37	Geographic variation and acclimation effects on thermoregulation behavior in the widespread lizard Liolaemus pictus. Journal of Thermal Biology, 2017, 63, 78-87.	2.5	27
38	Shorter telomeres precede population extinction in wild lizards. Scientific Reports, 2017, 7, 16976.	3.3	69
39	Do personalities co-vary with metabolic expenditure and glucocorticoid stress response in adult lizards?. Behavioral Ecology and Sociobiology, 2016, 70, 951-961.	1.4	36
40	Population viability analysis of plant and animal populations with stochastic integral projection models. Oecologia, 2016, 182, 1031-1043.	2.0	8
41	Climate and habitat interact to shape the thermal reaction norms of breeding phenology across lizard populations. Journal of Animal Ecology, 2016, 85, 457-466.	2.8	33
42	UV color determines the issue of conflicts but does not covary with individual quality in a lizard. Behavioral Ecology, 2016, 27, 262-270.	2.2	16
43	The importance of short and near infrared wavelength sensitivity for visual discrimination in two species of lacertid lizards. Journal of Experimental Biology, 2015, 218, 458-65.	1.7	44
44	Quantification of correlational selection on thermal physiology, thermoregulatory behavior, and energy metabolism in lizards. Ecology and Evolution, 2015, 5, 3600-3609.	1.9	31
45	UV coloration influences spatial dominance but not agonistic behaviors in male wall lizards. Behavioral Ecology and Sociobiology, 2015, 69, 1483-1491.	1.4	15
46	An experimental test of densityâ€dependent selection on temperament traits of activity, boldness and sociability. Journal of Evolutionary Biology, 2015, 28, 1144-1155.	1.7	34
47	A coordinated set of ecosystem research platforms open to international research in ecotoxicology, AnaEE-France. Environmental Science and Pollution Research, 2015, 22, 16215-16228.	5.3	8
48	Densityâ€dependent immunity and parasitism risk in experimental populations of lizards naturally infested by ixodid ticks. Ecology, 2015, 96, 450-460.	3.2	19
49	Concurrent effects of age class and food distribution on immigration success and population dynamics in a small mammal. Journal of Animal Ecology, 2014, 83, 813-822.	2.8	8
50	Climate and Atmosphere Simulator for Experiments on Ecological Systems in Changing Environments. Environmental Science & Technology, 2014, 48, 8744-8753.	10.0	18
51	A comparative analysis of dispersal syndromes in terrestrial and semiâ€terrestrial animals. Ecology Letters, 2014, 17, 1039-1052.	6.4	199
52	Densityâ€dependent life history and the dynamics of small populations. Journal of Animal Ecology, 2013, 82, 1227-1239.	2.8	22
53	Intermittent breeding and the dynamics of resource allocation to reproduction, growth and survival. Functional Ecology, 2013, 27, 173-183.	3.6	25
54	Reproductive allocation strategies: a long-term study on proximate factors and temporal adjustments in a viviparous lizard. Oecologia, 2013, 171, 141-151.	2.0	37

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55	Personality and the paceâ€ofâ€life syndrome: variation and selection on exploration, metabolism and locomotor performances. Functional Ecology, 2013, 27, 136-144.	3.6	129
56	Ultraviolet and carotenoid-based coloration in the viviparous lizardZootoca vivipara(Squamata: Lacertidae) in relation to age, sex, and morphology. Biological Journal of the Linnean Society, 2013, 110, 128-141.	1.6	34
57	Interindividual Variation in Thermal Sensitivity of Maximal Sprint Speed, Thermal Behavior, and Resting Metabolic Rate in a Lizard. Physiological and Biochemical Zoology, 2013, 86, 458-469.	1.5	52
58	Food distribution influences social organization and population growth in a small rodent. Behavioral Ecology, 2013, 24, 832-841.	2.2	16
59	The Metatron: an experimental system to study dispersal and metaecosystems for terrestrial organisms. Nature Methods, 2012, 9, 828-833.	19.0	70
60	Patterns and processes of dispersal behaviour in arvicoline rodents. Molecular Ecology, 2012, 21, 505-523.	3.9	76
61	Multi-determinism in natal dispersal: the common lizard as a model system. , 2012, , 29-40.		11
62	Dispersal and range dynamics in changing climates: a review. , 2012, , 317-336.		13
63	Population and Life-History Consequences of Within-Cohort Individual Variation. American Naturalist, 2011, 178, 525-537.	2.1	13
64	Effects of individual condition and habitat quality on natal dispersal behaviour in a small rodent. Journal of Animal Ecology, 2011, 80, 929-937.	2.8	40
65	Disentangling the effects of predator body size and prey density on prey consumption in a lizard. Functional Ecology, 2011, 25, 158-165.	3.6	25
66	Direct and socially-mediated effects of food availability late in life on life-history variation in a short-lived lizard. Oecologia, 2011, 166, 949-960.	2.0	17
67	Mating does not influence reproductive investment, in a viviparous lizard. Journal of Experimental Zoology, 2011, 315A, 458-464.	1.2	18
68	Inconsistency between Different Measures of Sexual Selection. American Naturalist, 2011, 178, 256-268.	2.1	35
69	Effects of miniature transponders on physiological stress, locomotor activity, growth and survival in small lizards. Amphibia - Reptilia, 2011, 32, 177-183.	0.5	3
70	Natal dispersal correlates with behavioral traits that are not consistent across early life stages. Behavioral Ecology, 2011, 22, 176-183.	2.2	42
71	Sex-specific fitness returns are too weak to select for non-random patterns of sex allocation in a viviparous snake. Oecologia, 2010, 164, 369-378.	2.0	5
72	Cohort variation in offspring growth and survival: prenatal and postnatal factors in a lateâ€maturing viviparous snake. Journal of Animal Ecology, 2010, 79, 640-649.	2.8	32

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73	Cohort variation, climate effects and population dynamics in a shortâ€lived lizard. Journal of Animal Ecology, 2010, 79, 1296-1307.	2.8	57
74	Immediate and delayed life history effects caused by food deprivation early in life in a shortâ€lived lizard. Journal of Evolutionary Biology, 2010, 23, 1886-1898.	1.7	38
75	Demographic responses to a mild winter in enclosed vole populations. Population Ecology, 2009, 51, 279-288.	1.2	16
76	Informed dispersal, heterogeneity in animal dispersal syndromes and the dynamics of spatially structured populations. Ecology Letters, 2009, 12, 197-209.	6.4	976
77	Territory ownership and familiarity status affect how much male root voles (Microtus oeconomus) invest in territory defence. Behavioral Ecology and Sociobiology, 2008, 62, 1559-1568.	1.4	35
78	Operational sex ratio, sexual conflict and the intensity of sexual selection. Ecology Letters, 2008, 11, 432-439.	6.4	76
79	Environmentally induced changes in carotenoidâ€based coloration of female lizards: a comment on Vercken etÂal.. Journal of Evolutionary Biology, 2008, 21, 1165-1172.	1.7	52
80	INTERGENERATIONAL EFFECTS OF CLIMATE GENERATE COHORT VARIATION IN LIZARD REPRODUCTIVE PERFORMANCE. Ecology, 2008, 89, 2575-2583.	3.2	55
81	LIFETIME AND INTERGENERATIONAL FITNESS CONSEQUENCES OF HARMFUL MALE INTERACTIONS FOR FEMALE LIZARDS. Ecology, 2008, 89, 56-64.	3.2	39
82	Mother-offspring interactions do not affect natal dispersal in a small rodent. Behavioral Ecology, 2007, 18, 665-673.	2.2	9
83	Ontogenic sources of variation in sexual size dimorphism in a viviparous lizard. Journal of Evolutionary Biology, 2006, 19, 690-704.	1.7	48
84	Natal dispersal, interactions among siblings and intrasexual competition. Behavioral Ecology, 2006, 17, 733-740.	2.2	62
85	Female common lizards (Lacerta vivipara) do not adjust their sexâ€biased investment in relation to the adult sex ratio. Journal of Evolutionary Biology, 2005, 18, 1455-1463.	1.7	30
86	Effect of patch occupancy on immigration in the common lizard. Journal of Animal Ecology, 2005, 74, 241-249.	2.8	41
87	CONFLICT OVER MULTIPLE-PARTNER MATING BETWEEN MALES AND FEMALES OF THE POLYGYNANDROUS COMMON LIZARDS. Evolution; International Journal of Organic Evolution, 2005, 59, 2451-2459.	2.3	79
88	Juvenile growth and survival under dietary restriction: are males and females equal?. Oikos, 2005, 111, 368-376.	2.7	40
89	CONFLICT OVER MULTIPLE-PARTNER MATING BETWEEN MALES AND FEMALES OF THE POLYGYNANDROUS COMMON LIZARDS. Evolution; International Journal of Organic Evolution, 2005, 59, 2451.	2.3	4
90	Adaptive Evolution of Social Traits: Origin, Trajectories, and Correlations of Altruism and Mobility. American Naturalist, 2005, 165, 206-224.	2.1	120

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91	Sex ratio bias, male aggression, and population collapse in lizards. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18231-18236.	7.1	344
92	Physical performance and darwinian fitness in lizards. Nature, 2004, 432, 502-505.	27.8	186
93	Timing of locomotor impairment and shift in thermal preferences during gravidity in a viviparous lizard. Functional Ecology, 2003, 17, 877-885.	3.6	83
94	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. Evolution; International Journal of Organic Evolution, 2003, 57, 1-17.	2.3	132
95	Motherâ€“offspring interactions affect natal dispersal in a lizard. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1163-1169.	2.6	97
96	THE ADAPTIVE DYNAMICS OF ALTRUISM IN SPATIALLY HETEROGENEOUS POPULATIONS. Evolution; International Journal of Organic Evolution, 2003, 57, 1.	2.3	21