

Sandrine Meylan

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

3,174
citations

201674

27
h-index

161849

54
g-index

66
all docs

66
docs citations

66
times ranked

3303
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	Increased pre-natal maternal corticosterone promotes philopatry of offspring in common lizards <i>Lacerta vivipara</i> . <i>Journal of Animal Ecology</i> , 2000, 69, 404-413.	2.8	144
3	Is corticosterone-mediated phenotype development adaptive? Maternal corticosterone treatment enhances survival in male lizards. <i>Hormones and Behavior</i> , 2005, 48, 44-52.	2.1	120
4	Stress and Body Condition as Prenatal and Postnatal Determinants of Dispersal in the Common Lizard (<i>Lacerta vivipara</i>). <i>Hormones and Behavior</i> , 2002, 42, 319-326.	2.1	114
5	Experimental enhancement of corticosterone levels positively affects subsequent male survival. <i>Hormones and Behavior</i> , 2006, 49, 320-327.	2.1	107
6	When water interacts with temperature: Ecological and evolutionary implications of thermoâledilution in terrestrial ectotherms. <i>Ecology and Evolution</i> , 2019, 9, 10029-10043.	1.9	97
7	An integrative study of ageing in a wild population of common lizards. <i>Functional Ecology</i> , 2011, 25, 848-858.	3.6	96
8	Hormonally mediated maternal effects, individual strategy and global change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 1647-1664.	4.0	96
9	Carotenoid-Based Colours Reflect the Stress Response in the Common Lizard. <i>PLoS ONE</i> , 2009, 4, e51111.	2.5	85
10	Shorter telomeres precede population extinction in wild lizards. <i>Scientific Reports</i> , 2017, 7, 16976.	3.3	69
11	Carotenoid-based coloration, oxidative stress and corticosterone in common lizards. <i>Journal of Experimental Biology</i> , 2010, 213, 2116-2124.	1.7	66
12	The effect of transdermal corticosterone application on plasma corticosterone levels in pregnant <i>Lacerta vivipara</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 134, 497-503.	1.8	56
13	Physiological actions of corticosterone and its modulation by an immune challenge in reptiles. <i>General and Comparative Endocrinology</i> , 2010, 169, 158-166.	1.8	56
14	Maternal Effects on Offspring Locomotion: Influence of Density and Corticosterone Elevation in the Lizard <i>Lacerta vivipara</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 450-458.	1.5	53
15	Prenatal and postnatal effects of corticosterone on behavior in juveniles of the common lizard, <i>Lacerta vivipara</i> . <i>The Journal of Experimental Zoology</i> , 2004, 301A, 401-410.	1.4	53
16	Cloacal Bacterial Diversity Increases with Multiple Mates: Evidence of Sexual Transmission in Female Common Lizards. <i>PLoS ONE</i> , 2011, 6, e22339.	2.5	49
17	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
18	Adaptive significance of maternal induction of densityâledependent phenotypes. <i>Oikos</i> , 2007, 116, 650-661.	2.7	45

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19	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
20	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
21	Food deprivation modifies corticosterone-dependent behavioural shifts in the common lizard. <i>General and Comparative Endocrinology</i> , 2010, 166, 142-151.	1.8	38
22	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
23	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
24	Dispersal status-dependent response to the social environment in the Common Lizard, <i>Lacerta vivipara</i> . <i>Functional Ecology</i> , 2006, 20, 900-907.	3.6	35
25	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
26	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
27	Costs of Mounting an Immune Response during Pregnancy in a Lizard. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 127-136.	1.5	29
28	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
29	Potential Benefits of Acanthocephalan Parasites for Chub Hosts in Polluted Environments. <i>Environmental Science & Technology</i> , 2020, 54, 5540-5549.	10.0	28
30	Experimental litter size reduction reveals costs of gestation and delayed effects on offspring in a viviparous lizard. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 489-498.	2.6	27
31	The sooner the better: reproductive phenology drives ontogenetic trajectories in a temperate squamate (<i>Podarcis muralis</i>). <i>Biological Journal of the Linnean Society</i> , 2013, 108, 384-395.	1.6	25
32	Maternal size and stress and offspring philopatry: An experimental study in the common lizard (<i>Lacerta vivipara</i>). <i>Ecoscience</i> , 2004, 11, 123-129.	1.4	23
33	Are dispersal-dependent behavioral traits produced by phenotypic plasticity?. <i>Journal of Experimental Zoology</i> , 2009, 311A, 377-388.	1.2	23
34	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
35	Water restriction induces behavioral fight but impairs thermoregulation in a dry-skinned ectotherm. <i>Oikos</i> , 2020, 129, 572-584.	2.7	20
36	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

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37	Mating does not influence reproductive investment, in a viviparous lizard. <i>Journal of Experimental Zoology</i> , 2011, 315A, 458-464.	1.2	18
38	Litter quality and inflammatory response are dependent on mating strategy in a reptile. <i>Oecologia</i> , 2012, 170, 39-46.	2.0	18
39	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
40	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
41	Chronic water restriction triggers sex-specific oxidative stress and telomere shortening in lizards. <i>Biology Letters</i> , 2020, 16, 20190889.	2.3	16
42	Experimental evidence of early costs of reproduction in conspecific viviparous and oviparous lizards. <i>Journal of Evolutionary Biology</i> , 2012, 25, 1264-1274.	1.7	15
43	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
44	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
45	Water deprivation compromises maternal physiology and reproductive success in a cold and wet adapted snake <i>Vipera berus</i> . , 2021, 9, coab071.		15
46	Is sexual dimorphism affected by the combined action of prenatal stress and sex ratio?. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 1110-1114.	1.3	14
47	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
48	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
49	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
50	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
51	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
52	Is oxidative status influenced by dietary carotenoid and physical activity after moult in the great tit (<i>Parus major</i>)?. <i>Journal of Experimental Biology</i> , 2015, 218, 2106-15.	1.7	9
53	Chronic stress, energy transduction, and free-radical production in a reptile. <i>Oecologia</i> , 2017, 185, 195-203.	2.0	9
54	The colour of success: does female mate choice rely on male colour change in the chameleon <i>Furcifer pardalis</i> ?. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	9

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55	How does an increase in minimum daily temperatures during incubation influence reproduction in the great tit <i>Parus major</i> ?. <i>Journal of Avian Biology</i> , 2017, 48, 714-725.	1.2	8
56	Additive effects of temperature and water availability on pregnancy in a viviparous lizard. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	8
57	Arginine vasotocin inhibits social interactions and enhances essential activities in male common lizards (<i>Zootoca vivipara</i>). <i>General and Comparative Endocrinology</i> , 2017, 243, 10-14.	1.8	7
58	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
59	An Experimental Study of the Gestation Costs in a Viviparous Lizard: A Hormonal Manipulation. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 690-701.	1.5	6
60	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
61	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
62	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
63	Do male panther chameleons use different aspects of color change to settle disputes?. <i>Die Naturwissenschaften</i> , 2022, 109, 13.	1.6	4
64	Adaptive significance of maternal induction of density-dependent phenotypes. <i>Oikos</i> , 2007, 116, 650-661.	2.7	3
65	Chronic elevation of glucocorticoids 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
66	Grandmaternal age at reproduction affects grandoffspring body condition, reproduction and survival in a wild population of lizards. <i>Functional Ecology</i> , 0, , .	3.6	0