Devi M Stuart-Fox

List of Publications by Year
in descending order

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125	5,585	117571	95218
papers	citations	34 h-index	68 g-index

130	130	130	5138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The biology of color. Science, 2017, 357, .	6.0	509
2	The gender gap in science: How long until women are equally represented?. PLoS Biology, 2018, 16, e2004956.	2.6	444
3	Camouflage, communication and thermoregulation: lessons from colour changing organisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 463-470.	1.8	253
4	Conspicuous males suffer higher predation risk: visual modelling and experimental evidence from lizards. Animal Behaviour, 2003, 66, 541-550.	0.8	246
5	Sexual selection, natural selection and the evolution of dimorphic coloration and ornamentation in agamid lizards. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 2249-2255.	1.2	188
6	Accelerated speciation in colour-polymorphic birds. Nature, 2012, 485, 631-634.	13.7	175
7	Selection for Social Signalling Drives the Evolution of Chameleon Colour Change. PLoS Biology, 2008, 6, e25.	2.6	173
8	Geographic variation in animal colour polymorphisms and its role in speciation. Biological Reviews, 2014, 89, 860-873.	4.7	157
9	Genetics and evolution of colour patterns in reptiles. Seminars in Cell and Developmental Biology, 2013, 24, 529-541.	2.3	155
10	Ultraviolet signals ultra-aggression in a lizard. Animal Behaviour, 2006, 72, 353-363.	0.8	154
11	Camouflage and colour change: antipredator responses to bird and snake predators across multiple populations in a dwarf chameleon. Biological Journal of the Linnean Society, 2006, 88, 437-446.	0.7	139
12	EVOLUTION OF COLOR VARIATION IN DRAGON LIZARDS: QUANTITATIVE TESTS OF THE ROLE OF CRYPSIS AND LOCAL ADAPTATION. Evolution; International Journal of Organic Evolution, 2004, 58, 1549-1559.	1.1	131
13	Predator-specific camouflage in chameleons. Biology Letters, 2008, 4, 326-329.	1.0	129
14	Thermal consequences of colour and near-infrared reflectance. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160345.	1.8	125
15	Natural Selection on Social Signals: Signal Efficacy and the Evolution of Chameleon Display Coloration. American Naturalist, 2007, 170, 916-930.	1.0	91
16	Multiple signals in chameleon contests: designing and analysing animal contests as a tournament. Animal Behaviour, 2006, 71, 1263-1271.	0.8	87
17	Ornament evolution in dragon lizards: multiple gains and widespread losses reveal a complex history of evolutionary change. Journal of Evolutionary Biology, 2006, 19, 797-808.	0.8	85
18	Meta-analytic evidence that sexual selection improves population fitness. Nature Communications, 2019, 10, 2017.	5.8	85

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19	Species richness in agamid lizards: chance, body size, sexual selection or ecology?. Journal of Evolutionary Biology, 2003, 16, 659-669.	0.8	75
20	SEXUAL SELECTION AND THE EVOLUTION OF COMPLEX COLOR PATTERNS IN DRAGON LIZARDS. Evolution; International Journal of Organic Evolution, 2012, 66, 3605-3614.	1.1	74
21	Testing game theory models: fighting ability and decision rules in chameleon contests. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1555-1561.	1.2	71
22	Color Change for Thermoregulation versus Camouflage in Free-Ranging Lizards. American Naturalist, 2016, 188, 668-678.	1.0	65
23	Discrete colour polymorphism in the tawny dragon lizard (<scp>C</scp>tenophorus decresii) and differences in signal conspicuousness among morphs. Journal of Evolutionary Biology, 2013, 26, 1035-1046.	0.8	63
24	Experience overrides colour in lizard contests. Behaviour, 2005, 142, 329-350.	0.4	58
25	Colour change on different body regions provides thermal and signalling advantages in bearded dragon lizards. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160626.	1.2	57
26	Multiscale Evaluation of Thermal Dependence in the Glucocorticoid Response of Vertebrates. American Naturalist, 2016, 188, 342-356.	1.0	54
27	Revealing the Biochemical and Genetic Basis of Color Variation in a Polymorphic Lizard. Molecular Biology and Evolution, 2017, 34, 1924-1935.	3.5	48
28	A test of Renschâ€™s rule in dwarf chameleons (Bradypodion spp.), a group with female-biased sexual size dimorphism. Evolutionary Ecology, 2009, 23, 425-433.	0.5	47
29	Reflection of near-infrared light confers thermal protection in birds. Nature Communications, 2018, 9, 3610.	5.8	47
30	Behavioural differences across contexts may indicate morph-specific strategies in the lizard Ctenophorus decresii. Animal Behaviour, 2016, 111, 329-339.	0.8	42
31	Shouting the odds: vocalization signals status in a lizard. Behavioral Ecology and Sociobiology, 2007, 61, 1169-1176.	0.6	41
32	Local adaptation and divergence in colour signal conspicuousness between monomorphic and polymorphic lineages in a lizard. Journal of Evolutionary Biology, 2014, 27, 2654-2664.	0.8	39
33	Comparative phylogeography of three rainforest-restricted lizards from mid-east Queensland. Australian Journal of Zoology, 2001, 49, 119.	0.6	38
34	Why are females ornamented? A test of the courtship stimulation and courtship rejection hypotheses. Behavioral Ecology, 2009, 20, 1334-1342.	1.0	38
35	Male dwarf chameleons assess risk of courting large, aggressive females. Biology Letters, 2005, 1, 231-234.	1.0	36
36	Environment, but not genetic divergence, influences geographic variation in colour morph frequencies in a lizard. BMC Evolutionary Biology, 2015, 15, 156.	3.2	35

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37	Sex-specific ecomorphological variation and the evolution of sexual dimorphism in dwarf chameleons (Bradypodion spp.). Journal of Evolutionary Biology, 2007, 20, 1073-1081.	0.8	33
38	Animal coloration research: why it matters. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160333.	1.8	33
39	Deception and the origin of honest signals. Trends in Ecology and Evolution, 2005, 20, 521-523.	4.2	32
40	Current genetic isolation and fragmentation contrasts with historical connectivity in an alpine lizard (Cyclodomorphus praealtus) threatened by climate change. Biological Conservation, 2009, 142, 992-1002.	1.9	32
41	The genetic basis of discrete and quantitative colour variation in the polymorphic lizard, Ctenophorus decresii. BMC Evolutionary Biology, 2016, 16, 179.	3.2	32
42	Phylogeographic structure, demographic history and morph composition in a colour polymorphic lizard. Journal of Evolutionary Biology, 2014, 27, 2123-2137.	0.8	31
43	The energetic cost of mating in a promiscuous cephalopod. Biology Letters, 2012, 8, 754-756.	1.0	30
44	Cyclic Colour Change in the Bearded Dragon Pogona vitticeps under Different Photoperiods. PLoS ONE, 2014, 9, e111504.	1.1	30
45	From cryptic to colorful: Evolutionary decoupling of larval and adult color in butterflies. Evolution Letters, 2020, 4, 34-43.	1.6	28
46	Convergence and divergence in lizard colour polymorphisms. Biological Reviews, 2021, 96, 289-309.	4.7	28
47	Spectral sensitivity of cone photoreceptors and opsin expression in two colour-divergent lineages of the lizardCtenophorus decresii. Journal of Experimental Biology, 2015, 218, 1556-63.	0.8	27
48	Environmental disturbance and animal communication. , 2012, , 16-31.		27
49	Sex steroid correlates of female-specific colouration, behaviour and reproductive state in Lake Eyre dragon lizards, Ctenophorus maculosus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2009, 195, 619-630.	0.7	26
50	Factors shaping the evolution of colour patterns in Australian agamid lizards (Agamidae): a comparative study. Biological Journal of the Linnean Society, 2013, 109, 101-112.	0.7	26
51	The microstructure of white feathers predicts their visible and near-infrared reflectance properties. PLoS ONE, 2018, 13, e0199129.	1.1	26
52	A molecular phylogeny of rainbow skinks (Scincidae: Carlia): taxonomic and biogeographic implications. Australian Journal of Zoology, 2002, 50, 39.	0.6	25
53	A phylogeny of the cannibal snails of southern Africa, genus Natalina sensu lato (Pulmonata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Phylogenetics and Evolution, 2009, 52, 167-182.	1.2	25
54	Multiple Fitness Benefits of Polyandry in a Cephalopod. PLoS ONE, 2012, 7, e37074.	1.1	25

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55	Climate is a strong predictor of near-infrared reflectance but a poor predictor of colour in butterflies. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190234.	1.2	25
56	The adoption of landmarks for territorial boundaries. Animal Behaviour, 2012, 83, 871-878.	0.8	23
57	Red carotenoids and associated gene expression explain colour variation in frillneck lizards. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191172.	1.2	22
58	The predation cost of female resistance. Behavioral Ecology, 2010, 21, 861-867.	1.0	20
59	Last male sperm precedence in a polygamous squid. Biological Journal of the Linnean Society, 2015, 116, 277-287.	0.7	20
60	Stressâ€induced changes in color expression mediated by iridophores in a polymorphic lizard. Ecology and Evolution, 2017, 7, 8262-8272.	0.8	20
61	Perception of contextual size illusions by honeybees in restricted and unrestricted viewing conditions. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20172278.	1.2	20
62	Mating behaviour and general spawning patterns of the southern dumpling squid Euprymna tasmanica (Sepiolidae): a laboratory study. Journal of Molluscan Studies, 2013, 79, 263-269.	0.4	19
63	How sexual and natural selection shape sexual size dimorphism: Evidence from multiple evolutionary scales. Functional Ecology, 2019, 33, 1446-1458.	1.7	19
64	Variation in Phenotype, Parasite Load and Male Competitive Ability across a Cryptic Hybrid Zone. PLoS ONE, 2009, 4, e5677.	1.1	19
65	Rival assessment and comparison of morphological and performance-based predictors of fighting ability in Lake Eyre dragon lizards, Ctenophorus maculosus. Behavioral Ecology and Sociobiology, 2015, 69, 523-531.	0.6	18
66	Has contemporary climate change played a role in population declines of the lizard Ctenophorus decresii from semi-arid Australia?. Journal of Thermal Biology, 2015, 54, 66-77.	1.1	18
67	Temperature-induced colour change varies seasonally in bearded dragon lizards. Biological Journal of the Linnean Society, 2018, 123, 422-430.	0.7	18
68	Multiple paternity but no evidence of biased sperm use in female dumpling squid Euprymna tasmanica. Marine Ecology - Progress Series, 2014, 511, 93-103.	0.9	18
69	Taxonomic assessment of the Ctenophorus decresii complex (Reptilia: Agamidae) reveals a new species of dragon lizard from western New South Wales. Records of the Australian Museum, 2013, 65, 51-63.	0.3	18
70	Camouflage in colour-changing animals. , 0, , 237-253.		17
71	Strategic male mate choice minimizes ejaculate consumption. Behavioral Ecology, 2013, 24, 668-671.	1.0	17
72	Female ornamentation influences male courtship investment in a lizard. Frontiers in Ecology and Evolution, 2014, 2, .	1.1	17

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73	Habitat suitability for conservation translocation: The importance of considering camouflage in cryptic species. Biological Conservation, 2016, 203, 298-305.	1.9	17
74	Geographic divergence and colour change in response to visual backgrounds and illumination intensity in bearded dragons. Journal of Experimental Biology, 2017, 220, 1048-1055.	0.8	17
75	Heating rates are more strongly influenced by near-infrared than visible reflectance in beetles. Journal of Experimental Biology, 2021, 224, .	0.8	17
76	The contribution of structuralâ€¸ psittacofulvinâ€•and melaninâ€based colouration to sexual dichromatism in Australasian parrots. Journal of Evolutionary Biology, 2011, 24, 303-313.	0.8	16
77	Sexual selection is positively associated with ecological generalism among agamid lizards. Journal of Evolutionary Biology, 2011, 24, 733-740.	0.8	16
78	Does Predation Risk Affect Mating Behavior? An Experimental Test in Dumpling Squid (Euprymna) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	16
79	The Paradox of Iridescent Signals. Trends in Ecology and Evolution, 2021, 36, 187-195.	4.2	16
80	Gliding lizards use the position of the sun to enhance social display. Biology Letters, 2017, 13, 20160979.	1.0	15
81	Animal coloration: production, perception, function and application. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20170047.	1.8	14
82	Endocrine differences among colour morphs in a lizard with alternative behavioural strategies. Hormones and Behavior, 2017, 93, 118-127.	1.0	14
83	Color pattern facilitates species recognition but not signal detection: a field test using robots. Behavioral Ecology, 2017, 28, 597-606.	1.0	13
84	Specific <scp>MHC</scp> class I supertype associated with parasite infection and color morph in a wild lizard population. Ecology and Evolution, 2018, 8, 9920-9933.	0.8	13
85	Climate predicts both visible and nearâ€infrared reflectance in butterflies. Ecology Letters, 2021, 24, 1869-1879.	3.0	13
86	Testosterone-Induced Expression of Male Colour Morphs in Females of the Polymorphic Tawny Dragon Lizard, Ctenophorus decresii. PLoS ONE, 2015, 10, e0140458.	1.1	13
87	Testing the independent effects of population and shelter density on behavioural and corticosterone responses of tree skinks. Australian Journal of Zoology, 2010, 58, 295.	0.6	12
88	Ornament size and colour as alternative strategies for effective communication in gliding lizards. Journal of Evolutionary Biology, 2016, 29, 1689-1700.	0.8	12
89	Maleâ€biased sexual selection, but not sexual dichromatism, predicts speciation in birds. Evolution; International Journal of Organic Evolution, 2021, 75, 931-944.	1.1	12
90	Processes driving male breeding colour and ecomorphological diversification in rainbow skinks: a phylogenetic comparative test. Evolutionary Ecology, 2010, 24, 97-113.	0.5	11

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91	Spermatophore consumption in a cephalopod. Biology Letters, 2013, 9, 20130192.	1.0	10
92	The ecological significance of time sense in animals. Biological Reviews, 2021, 96, 526-540.	4.7	10
93	Environmental gradients predict the ratio of environmentally acquired carotenoids to selfâ€synthesised pteridine pigments. Ecology Letters, 2021, 24, 2207-2218.	3.0	10
94	Habitat associations and conservation status of an endemic forest dwarf chameleon (Bradypodion) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	9
95	Does the Lizard Platysaurus Broadleyi Aggregate Because of Social Factors?. Journal of Herpetology, 2007, 41, 354-359.	0.2	9
96	Geographic variation in hybridization and ecological differentiation between three syntopic, morphologically similar species of montane lizards. Molecular Ecology, 2016, 25, 2887-2903.	2.0	9
97	A complex history of introgression and vicariance in a threatened montane skink (Pseudemoia) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	9
98	Very low rate of multiple paternity detected in clutches of a wild agamid lizard. Australian Journal of Zoology, 2017, 65, 328.	0.6	9
99	Do female Lake Eyre dragon lizards adjust courtship rejection behaviour under higher predation risk?. Behaviour, 2010, 147, 1803-1818.	0.4	8
100	Marked colour divergence in the gliding membranes of a tropical lizard mirrors population differences in the colour of falling leaves. Biology Letters, 2014, 10, 20140776.	1.0	8
101	Phylogenetic evidence of historic mitochondrial introgression and cryptic diversity in the genus Pseudemoia (Squamata: Scincidae). Molecular Phylogenetics and Evolution, 2014, 81, 86-95.	1.2	8
102	Spatial and temporal variation in prey color patterns for background matching across a continuous heterogeneous environment. Ecology and Evolution, 2020, 10, 2310-2319.	0.8	8
103	High contrast yellow mosaic patterns are prey attractants for orbâ€weaving spiders. Functional Ecology, 2020, 34, 853-864.	1.7	7
104	Invasive chameleons released from predation display more conspicuous colors. Science Advances, 2022, 8, eabn2415.	4.7	7
105	Variation in the effect of repeated intrusions on calling behavior in a territorial toadlet. Behavioral Ecology, 2012, 23, 93-100.	1.0	6
106	Reduction in site fidelity with smaller spatial scale may suggest scale-dependent information use. Behavioral Ecology, 2015, 26, 543-549.	1.0	6
107	Single and multiple mating reduces longevity of female dumpling squid (Euprymna tasmanica). Journal of Evolutionary Biology, 2017, 30, 977-984.	0.8	6
108	Opening the â€œblack boxâ€•of modeling animal color vision: a comment on Olsson et al.. Behavioral Ecology, 2018, 29, 284-284.	1.0	6

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109	The eyes have it: dim-light activity is associated with the morphology of eyes but not antennae across insect orders. Biological Journal of the Linnean Society, 2021, 134, 303-315.	0.7	6
110	Cracks in the mirror hypothesis: high specularity does not reduce detection or predation risk. Functional Ecology, 2022, 36, 239.	1.7	6
111	EVOLUTION OF COLOR VARIATION IN DRAGON LIZARDS: QUANTITATIVE TESTS OF THE ROLE OF CRYPSIS AND LOCAL ADAPTATION. Evolution; International Journal of Organic Evolution, 2004, 58, 1549.	1.1	5
112	Divergent male and female mate preferences do not explain incipient speciation between lizard lineages. Environmental Epigenetics, 2020, 66, 485-492.	0.9	5
113	A New Species of Treefrog (Hylidae, Litoria) from the Southern Lowlands of New Guinea. Current Herpetology, 2008, 27, 35-42.	0.5	4
114	Social interactions generate mutually reinforcing selection for male aggression in Lake Eyre dragons. Behavioral Ecology, 2016, 27, 1149-1157.	1.0	4
115	Rapid beard darkening predicts contest outcome, not copulation success, in bearded dragon lizards. Animal Behaviour, 2020, 170, 167-176.	0.8	4
116	Elevation of Divergent Color Polymorphic and Monomorphic Lizard Lineages (Squamata: Agamidae) to Species Level. Ichthyology and Herpetology, 2021, 109, .	0.3	4
117	Natural Selection on Social Signals: Signal Efficacy and the Evolution of Chameleon Display Coloration. American Naturalist, 2007, 170, 916.	1.0	4
118	Conserved visual sensitivities across divergent lizard lineages that differ in an ultraviolet sexual signal. Ecology and Evolution, 2019, 9, 11824-11832.	0.8	3
119	Space use and genetic structure do not maintain color polymorphism in a species with alternative behavioral strategies. Ecology and Evolution, 2019, 9, 295-306.	0.8	3
120	Iridescence untwined: honey bees can separate hue variations in space and time. Behavioral Ecology, 2022, 33, 884-891.	1.0	3
121	Can scent-mediated female mate preference explain an abrupt mtDNA cline in Lacerta schreiberi?. Behaviour, 2009, 146, 831-841.	0.4	2
122	Maternal reproductive output and F1 hybrid fitness may influence contact zone dynamics. Journal of Evolutionary Biology, 2021, 34, 680-694.	0.8	2
123	A test of an antipredatory function of conspicuous plastron coloration in hatchling turtles. Evolutionary Ecology, 2017, 31, 463-476.	0.5	1
124	Concealing Coloration in Animals J. Diamond and A.B. Bond . 2013. Belknap Press of Harvard University Press. ISBN 9780674052352. 288 p. $29.95 (hardcover).. Copeia, 2013, 2013, 782-783.	1.4	0
125	Defensive coloration as a multivariate optimum: a comment on Postema et al. Behavioral Ecology, 0, , .	1.0	0