John A Endler

List of Publications by Year in Descending Order

154 papers	18,452 citations	54 h-index	135 g-index
163 ext. papers	20,380 ext. citations	5.8 avg, IF	7.18 L-index

#	Paper	IF	Citations
154	Color discrimination thresholds vary throughout color space in a reef fish (Rhinecanthus aculeatus).. *Journal of Experimental Biology*, **2022**,	3	2
153	Multiple phenotypic traits predict male mating success in a critically endangered frog. *Behavioral Ecology and Sociobiology*, **2022**, 76, 1	2.5	0
152	The role of boundary length and adjacent patch contrast in guppy mate choice. *Behavioral Ecology*, **2021**, 32, 30-40	2.3	2
151	Does dietary Ecarotene influence ontogenetic colour change in the southern corroboree frog?. *Journal of Experimental Biology*, **2021**, 224,	3	1
150	Disease influences male advertisement and mating outcomes in a critically endangered amphibian. *Animal Behaviour*, **2021**, 173, 145-157	2.8	3
149	Eat yourself sexy: how selective macronutrient intake influences the expression of a visual signal in common mynas. *Journal of Experimental Biology*, **2021**, 224,	3	2
148	Cultural transmission and perception of vessel shapes among Hebron potters. *Journal of Anthropological Archaeology*, **2021**, 63, 101334	1.9	1
147	Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters. *PLoS ONE*, **2020**, 15, e0239139	3.7	1
146	Traditional craftspeople are not copycats: Potter idiosyncrasies in vessel morphogenesis. *PLoS ONE*, **2020**, 15, e0239362	3.7	2
145	Combining Evolution and Learning in Computational Ecosystems. *Journal of Artificial General Intelligence*, **2020**, 11, 1-37	8	
144	Quantitative Colour Pattern Analysis (QCPA): A comprehensive framework for the analysis of colour patterns in nature. *Methods in Ecology and Evolution*, **2020**, 11, 316-332	7.7	41
143	Rapid beard darkening predicts contest outcome, not copulation success, in bearded dragon lizards. *Animal Behaviour*, **2020**, 170, 167-176	2.8	0
142	Does conspicuousness scale linearly with colour distance? A test using reef fish. *Proceedings of the Royal Society B: Biological Sciences*, **2020**, 287, 20201456	4.4	13
141	Niche Construction Affects the Variability and Strength of Natural Selection. *American Naturalist*, **2020**, 195, 16-30	3.7	18
140	Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters **2020**, 15, e0239139		
139	Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters **2020**, 15, e0239139		
138	Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters **2020**, 15, e0239139		

137	Assessing the influence of culture on craft skills: A quantitative study with expert Nepalese potters **2020**, 15, e0239139		
136	A Dynamic Optical Signal in a Nocturnal Moth. *Current Biology*, **2019**, 29, 2919-2925.e2	6.3	10
135	Success of the receptor noise model in predicting colour discrimination in guppies depends upon the colours tested. *Vision Research*, **2019**, 159, 86-95	2.1	11
134	How viewing objects with the dorsal or ventral retina affects colour-related behaviour in guppies (Poecilia reticulata). *Vision Research*, **2019**, 158, 78-89	2.1	2
133	pavo 2: New tools for the spectral and spatial analysis of colour in r. *Methods in Ecology and Evolution*, **2019**, 10, 1097-1107	7.7	129
132	Colour-based foraging diverges after multiple generations under different light environments. *Ethology*, **2019**, 125, 212-221	1.7	2
131	Plumage coloration follows Gloger's rule in a ring species. *Journal of Biogeography*, **2019**, 46, 584-596	4.1	10
130	The relative importance of local and global visual contrast in mate choice. *Animal Behaviour*, **2019**, 154, 143-159	2.8	6
129	Behavioral, energetic, and color trait integration in male guppies: testing the melanocortin hypothesis. *Behavioral Ecology*, **2019**, 30, 1539-1547	2.3	8
128	An Ishihara-style test of animal colour vision. *Journal of Experimental Biology*, **2019**, 222,	3	21
127	Individuals Among the Pots: How Do Traditional Ceramic Shapes Vary Between Potters?. *Ecological Psychology*, **2018**, 30, 299-313	1.5	5
126	Temperature-induced colour change varies seasonally in bearded dragon lizards. *Biological Journal of the Linnean Society*, **2018**, 123, 422-430	1.9	12
125	Effects of female preference intensity on the permissiveness of sexual trait polymorphisms. *Ecology and Evolution*, **2018**, 8, 4518-4524	2.8	1
124	Colour pattern component phenotypic divergence can be predicted by the light environment. *Journal of Evolutionary Biology*, **2018**, 31, 1459-1476	2.3	4
123	Boundary strength analysis: Combining colour pattern geometry and coloured patch visual properties for use in predicting behaviour and fitness. *Methods in Ecology and Evolution*, **2018**, 9, 2334-2348	7.7	17
122	25 Years of sensory drive: the evidence and its watery bias. *Environmental Epigenetics*, **2018**, 64, 471-484	2.4	48
121	A perspective on sensory drive. *Environmental Epigenetics*, **2018**, 64, 465-470	2.4	8
120	Toxicity and taste: unequal chemical defences in a mimicry ring. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	25

119	Light environment change induces differential expression of guppy opsins in a multi-generational evolution experiment. *Evolution; International Journal of Organic Evolution*, **2018**, 72, 1656	3.8	10
118	Courtship diverges with foraging behaviour in artificially selected populations. *Animal Behaviour*, **2018**, 144, 9-15	2.8	2
117	Change in male coloration associated with artificial selection on foraging colour preference. *Journal of Evolutionary Biology*, **2018**, 31, 1227-1238	2.3	5
116	Deimatism: a neglected component of antipredator defence. *Biology Letters*, **2017**, 13,	3.6	44
115	Early social experience shapes female mate choice in guppies. *Behavioral Ecology*, **2017**, 28, 833-843	2.3	12
114	The current and future state of animal coloration research. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2017**, 372,	5.8	59
113	Intraspecific geographic variation in rod and cone visual pigment sensitivity of a parrot, Platycercus elegans. *Scientific Reports*, **2017**, 7, 41445	4.9	10
112	Geographic divergence and colour change in response to visual backgrounds and illumination intensity in bearded dragons. *Journal of Experimental Biology*, **2017**, 220, 1048-1055	3	13
111	Neutral and selective drivers of colour evolution in a widespread Australian passerine. *Journal of Biogeography*, **2017**, 44, 522-536	4.1	18
110	Experimental evidence suggests that specular reflectance and glossy appearance help amplify warning signals. *Scientific Reports*, **2017**, 7, 257	4.9	15
109	Niche construction, sources of selection and trait coevolution. *Interface Focus*, **2017**, 7, 20160147	3.9	41
108	Improved color constancy in honey bees enabled by parallel visual projections from dorsal ocelli. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7713-7718	11.5	8
107	Tool-assisted rhythmic drumming in palm cockatoos shares key elements of human instrumental music. *Science Advances*, **2017**, 3, e1602399	14.3	26
106	Convergent evolution of sexual deception via chromatic and achromatic contrast rather than colour mimicry. *Evolutionary Ecology*, **2017**, 31, 205-227	1.8	17
105	Sexual selection predicts brain structure in dragon lizards. *Journal of Evolutionary Biology*, **2017**, 30, 244-256	2.3	10
104	How do great bowerbirds construct perspective illusions?. *Royal Society Open Science*, **2017**, 4, 160661	3.3	4
103	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	4.4	39
102	A comparative study of rhodopsin function in the great bowerbird (Ptilonorhynchus nuchalis): Spectral tuning and light-activated kinetics. *Protein Science*, **2016**, 25, 1308-18	6.3	11

101	Color Change for Thermoregulation versus Camouflage in Free-Ranging Lizards. *American Naturalist*, **2016**, 188, 668-678	3.7	35
100	Male courtship decisions are influenced by light environment and female receptivity. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	17
99	The bright incubate at night: sexual dichromatism and adaptive incubation division in an open-nesting shorebird. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20143026	4.4	36
98	Artificial selection for food colour preferences. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20143108	4.4	19
97	White Sharks Exploit the Sun during Predatory Approaches. *American Naturalist*, **2015**, 185, 562-70	3.7	27
96	Variable environmental effects on a multicomponent sexually selected trait. *American Naturalist*, **2015**, 185, 452-68	3.7	52
95	Illusions vary because of the types of decorations at bowers, not male skill at arranging them, in great bowerbirds. *Animal Behaviour*, **2015**, 99, 73-82	2.8	10
94	Writing scientific papers, with special reference to Evolutionary Ecology. *Evolutionary Ecology*, **2015** , 29, 465-478	1.8	7
93	An integrative framework for the appraisal of coloration in nature. *American Naturalist*, **2015**, 185, 705-24	3.7	165
92	Paradox lost: variable colour-pattern geometry is associated with differences in movement in aposematic frogs. *Biology Letters*, **2014**, 10, 20140193	3.6	36
91	Red-green-blue electrogenerated chemiluminescence utilizing a digital camera as detector. *Analytical Chemistry*, **2014**, 86, 2727-32	7.8	92
90	Peacock spiders. *Current Biology*, **2014**, 24, R588-90	6.3	19
89	Male sexual behaviour and ethanol consumption from an evolutionary perspective: A comment on "Sexual Deprivation Increases Ethanol Intake in Drosophila". *Fly*, **2014**, 8, 234-6	1.3	1
88	Addendum: Visual effects in great bowerbird sexual displays and their implications for signal design. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20140864	4.4	78
87	Visual effects in great bowerbird sexual displays and their implications for signal design. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20140235	4.4	23
86	Functional characterization of spectral tuning mechanisms in the great bowerbird short-wavelength sensitive visual pigment (SWS1), and the origins of UV/violet vision in passerines and parrots. *BMC Evolutionary Biology*, **2013**, 13, 250	3	21
85	Sexual dimorphism and intra-populational colour pattern variation in the aposematic frog Dendrobates tinctorius. *Evolutionary Ecology*, **2013**, 27, 739-753	1.8	50
84	How can ten fingers shape a pot? Evidence for equivalent function in culturally distinct motor skills. *PLoS ONE*, **2013**, 8, e81614	3.7	16

83	John A. Endler. *Current Biology*, **2012**, 22, R41-3	6.3	
82	Male spotted bowerbirds propagate fruit for use in their sexual display. *Current Biology*, **2012**, 22, R264-5	6.3	7
81	How the ladybird got its spots: effects of resource limitation on the honesty of aposematic signals. *Functional Ecology*, **2012**, 26, 334-342	5.6	59
80	A framework for analysing colour pattern geometry: adjacent colours. *Biological Journal of the Linnean Society*, **2012**, 107, 233-253	1.9	88
79	Male great bowerbirds create forced perspective illusions with consistently different individual quality. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20980-5	11.5	22
78	Sex as moderator of early life experience: interaction between rearing environment and sexual experience in male guppies. *Animal Behaviour*, **2012**, 84, 1023-1029	2.8	9
77	Learned vocal variation is associated with abrupt cryptic genetic change in a parrot species complex. *PLoS ONE*, **2012**, 7, e50484	3.7	26
76	Illusions promote mating success in great bowerbirds. *Science*, **2012**, 335, 335-8	33.3	49
75	Response to Comment on "Illusions Promote Mating Success in Great Bowerbirds". *Science*, **2012**, 337, 292-292	33.3	2
74	Bowerbirds, art and aesthetics: Are bowerbirds artists and do they have an aesthetic sense?. *Communicative and Integrative Biology*, **2012**, 5, 281-3	1.7	14
73	Geographical variation in allometry in the guppy (Poecilia reticulata). *Journal of Evolutionary Biology* , **2011**, 24, 2631-8	2.3	22
72	Great bowerbirds create theaters with forced perspective when seen by their audience. *Current Biology*, **2010**, 20, 1679-84	6.3	61
71	The spatial pattern of natural selection when selection depends on experience. *American Naturalist* , **2009**, 173, E62-78	3.7	23
70	Predicting the direction of ornament evolution in Trinidadian guppies (Poecilia reticulata). *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 4335-43	4.4	54
69	Conservation with sense. *Science*, **2008**, 319, 281	33.3	16
68	The adaptive significance of ontogenetic colour change in a tropical python. *Biology Letters*, **2007**, 3, 40-3	3.6	48
67	DIRECT AND INDIRECT SEXUAL SELECTION AND QUANTITATIVE GENETICS OF MALE TRAITS IN GUPPIES (POECILIA RETICULATA). *Evolution; International Journal of Organic Evolution*, **2007**, 55, 1002-1015	3.8	18
66	COLORFUL THOUGHTS ABOUT COLORFUL DISPLAYS. *Evolution; International Journal of Organic Evolution*, **2007**, 61, 713-715	3.8	4

65	Ornament colour selection, visual contrast and the shape of colour preference functions in great bowerbirds, Chlamydera nuchalis. *Animal Behaviour*, **2006**, 72, 1405-1416	2.8	45
64	Disruptive and cryptic coloration. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2425-6	4.4	66
63	The complex business of survival by aposematism. *Trends in Ecology and Evolution*, **2005**, 20, 598-603	10.9	305
62	ANIMAL VISUAL SYSTEMS AND THE EVOLUTION OF COLOR PATTERNS: SENSORY PROCESSING ILLUMINATES SIGNAL EVOLUTION. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 1795-1818	3.8	195
61	Comparing entire colour patterns as birds see them. *Biological Journal of the Linnean Society*, **2005**, 86, 405-431	1.9	546
60	Animal visual systems and the evolution of color patterns: sensory processing illuminates signal evolution. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 1795-818	3.8	66
59	Extreme reversed sexual dichromatism in a bird without sex role reversal. *Science*, **2005**, 309, 617-9	33.3	138
58	Modification of the visual background increases the conspicuousness of golden-collared manakin displays. *Behavioral Ecology*, **2004**, 15, 1003-1010	2.3	115
57	Predator mixes and the conspicuousness of aposematic signals. *American Naturalist*, **2004**, 163, 532-47	3.7	227
56	Morphological signals of sex and status in Spotted Bowerbirds. *Emu*, **2004**, 104, 21-30	1.1	8
55	Environmental variation and the maintenance of polymorphism: the effect of ambient light spectrum on mating behaviour and sexual selection in guppies. *Ecology Letters*, **2003**, 6, 463-472	10	97
54	Female guppies agree to differ: phenotypic and genetic variation in mate-choice behavior and the consequences for sexual selection. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1644-55	3.8	235
53	Direct and indirect sexual selection and quantitative genetics of male traits in guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1002-15	3.8	213
52	Variation in response to artificial selection for light sensitivity in guppies (Poecilia reticulata). *American Naturalist*, **2001**, 158, 36-48	3.7	50
51	FEMALE GUPPIES AGREE TO DIFFER: PHENOTYPIC AND GENETIC VARIATION IN MATE-CHOICE BEHAVIOR AND THE CONSEQUENCES FOR SEXUAL SELECTION. *Evolution; International Journal of Organic Evolution*, **2001**, 55, 1644	3.8	13
50	Carotenoid scarcity, synthetic pteridine pigments and the evolution of sexual coloration in guppies (Poecilia reticulata). *Proceedings of the Royal Society B: Biological Sciences*, **2001**, 268, 1245-53	4.4	156
49	Considerations on the use of video playbacks as visual stimuli: the Lisbon workshop consensus. *Acta Ethologica*, **2000**, 3, 61-65	1.1	60
48	Some comments on visual perception and the use of video playback in animal behavior studies. *Acta Ethologica*, **2000**, 3, 15-27	1.1	72

47	Colour perception and the use of video playback experiments in animal behaviour. *Animal Behaviour*, **1998**, 56, 1035-1040	2.8	92
46	Sensory ecology, receiver biases and sexual selection. *Trends in Ecology and Evolution*, **1998**, 13, 415-20	10.9	677
45	The Relative Success of Some Methods for Measuring and Describing the Shape of Complex Objects. *Systematic Biology*, **1998**, 47, 264-281	8.4	137
44	Interacting Effects of Lek Placement, Display Behavior, Ambient Light, and Color Patterns in Three Neotropical Forest-Dwelling Birds. *American Naturalist*, **1996**, 148, 421-452	3.7	418
43	Geographic Variation in Female Preferences for Male Traits in Poecilia reticulata. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 456	3.8	235
42	Multiple-trait coevolution and environmental gradients in guppies. *Trends in Ecology and Evolution*, **1995**, 10, 22-9	10.9	474
41	Sensory biases and the evolution of sensory systems. *Trends in Ecology and Evolution*, **1995**, 10, 489	10.9	22
40	GEOGRAPHIC VARIATION IN FEMALE PREFERENCES FOR MALE TRAITS IN POECILIA RETICULATA. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 456-468	3.8	334
39	Long-term Studies of Tropical Stream Fish Communities:The Use of Field Notes and Museum Collections to Reconstruct Communities of the Past. *American Zoologist*, **1994**, 34, 452-462		21
38	The Color of Light in Forests and Its Implications. *Ecological Monographs*, **1993**, 63, 1-27	9	808
37	Some general comments on the evolution and design of animal communication systems. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1993**, 340, 215-25	5.8	424
36	Editorial on Publishing Papers in Evolution. *Evolution; International Journal of Organic Evolution*, **1992**, 46, 1984	3.8	2
35	Signals, Signal Conditions, and the Direction of Evolution. *American Naturalist*, **1992**, 139, S125-S153	3.7	1276
34	Variation in the appearance of guppy color patterns to guppies and their predators under different visual conditions. *Vision Research*, **1991**, 31, 587-608	2.1	384
33	On the measurement and classification of colour in studies of animal colour patterns. *Biological Journal of the Linnean Society*, **1990**, 41, 315-352	1.9	881
32	Experimentally induced life-history evolution in a natural population. *Nature*, **1990**, 346, 357-359	50.4	871
31	Correlated Evolution of Female Mating Preferences and Male Color Patterns in the Guppy Poecilia reticulata. *Science*, **1990**, 248, 1405-8	33.3	395
30	Bright ideas about parasites. *Trends in Ecology and Evolution*, **1989**, 4, 246-8	10.9	40

29	Sexual selection and predation risk in guppies. *Nature*, **1988**, 332, 593-594	50.4	45
28	The Processes of Evolution: Toward a Newer Synthesis. *Annual Review of Ecology, Evolution, and Systematics*, **1988**, 19, 395-421		121
27	Frequency-dependent predation, crypsis and aposematic coloration. *Philosophical Transactions of the Royal Society of London Series B, Biological Sciences*, **1988**, 319, 505-23		233
26	Visual pigment polymorphism in the guppy Poecilia reticulata. *Vision Research*, **1987**, 27, 1243-52	2.1	128
25	Predation, light intensity and courtship behaviour in Poecilia reticulata (Pisces: Poeciliidae). *Animal Behaviour*, **1987**, 35, 1376-1385	2.8	359
24	Parasite load predicts mate choice in guppies. *Behavioral Ecology and Sociobiology*, **1987**, 21, 291-295	2.5	160
23	Natural and sexual selection on color patterns in poeciliid fishes. *Developments in Environmental Biology of Fishes*, **1984**, 95-111		17
22	Progressive background in moths, and a quantitative measure of crypsis. *Biological Journal of the Linnean Society*, **1984**, 22, 187-231	1.9	244
21	Natural and sexual selection on color patterns in poeciliid fishes. *Environmental Biology of Fishes*, **1983**, 9, 173-190	1.6	650
20	Testing Causal Hypotheses in the Study of Geographical Variation **1983**, 424-443		15
19	THE IMPACT OF PREDATION ON LIFE HISTORY EVOLUTION IN TRINIDADIAN GUPPIES (POECILIA RETICULATA). *Evolution; International Journal of Organic Evolution*, **1982**, 36, 160-177	3.8	596
18	CONVERGENT AND DIVERGENT EFFECTS OF NATURAL SELECTION ON COLOR PATTERNS IN TWO FISH FAUNAS. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 178-188	3.8	37
17	Alternative Hypotheses in Biogeography: Introduction and Synopsis of the Symposium. *American Zoologist*, **1982**, 22, 349-354		21
16	Problems in Distinguishing Historical from Ecological Factors in Biogeography. *American Zoologist*, **1982**, 22, 441-452		216
15	The Impact of Predation on Life History Evolution in Trinidadian Guppies (Poecilia reticulata). *Evolution; International Journal of Organic Evolution*, **1982**, 36, 160	3.8	509
14	Convergent and Divergent Effects of Natural Selection on Color Patterns in Two Fish Faunas. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 178	3.8	33
13	Quantitative matrix comparisons in ecological and evolutionary investigations. *Journal of Theoretical Biology*, **1982**, 99, 777-795	2.3	159
12	An overview of the relationships between mimicry and crypsis. *Biological Journal of the Linnean Society*, **1981**, 16, 25-31	1.9	184

11	NATURAL SELECTION ON COLOR PATTERNS IN POECILIA RETICULATA. *Evolution; International Journal of Organic Evolution*, **1980**, 34, 76-91	3.8	978
10	Natural Selection on Color Patterns in Poecilia reticulata. *Evolution; International Journal of Organic Evolution*, **1980**, 34, 76	3.8	415
9	Gene flow and life history patterns. *Genetics*, **1979**, 93, 263-84	4	26
8	Geographic Variation, Speciation, and Clines.. *Evolution; International Journal of Organic Evolution*, **1978**, 32, 687	3.8	
7	A Predator View of Animal Color Patterns **1978**, 319-364		542
6	Gene Frequency Clines in the Presence of Selection Opposed by Gene Flow. *American Naturalist*, **1975**, 109, 659-676	3.7	138
5	Gene flow and population differentiation. *Science*, **1973**, 179, 243-50	33.3	531
4	Kinesthetic Orientation in the California Newt (Taricha Torosa). *Behaviour*, **1970**, 37, 15-23	1.4	9
3	Boundary Strength Analysis: Combining colour pattern geometry and coloured patch visual properties for use in predicting behaviour and fitness		3
2	pavo 2: new tools for the spectral and spatial analysis of colour in R		2
1	Quantitative Colour Pattern Analysis (QCPA): A Comprehensive Framework for the Analysis of Colour Patterns in Nature		3