

# Carotenoid metabolism strengthens the link between fe quality

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Do carotenoid-based ornaments entail resource trade-offs? An evaluation of theory and data. <i>Functional Ecology</i> , 2018, 32, 1908-1920.	1.7	61
2	No evidence that carotenoid pigments boost either immune or antioxidant defenses in a songbird. <i>Nature Communications</i> , 2018, 9, 491.	5.8	1,639
3	Carotenoid metabolism strengthens the link between feather coloration and individual quality. <i>Nature Communications</i> , 2018, 9, 73.	5.8	136
4	An <i>in vivo</i> test of the biologically relevant roles of carotenoids as antioxidants in animals. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	17
5	Male Red-crested Cardinal plumage coloration is associated with parental abilities and breeding performance. <i>Scientific Reports</i> , 2019, 9, 10958.	1.6	2
6	Red carotenoids and associated gene expression explain colour variation in frillneck lizards. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191172.	1.2	22
7	Comparative analysis of the predominant carotenoids and chemical components in the common and orange-muscle mutant of <i>Halotis gigantea</i> . <i>Aquaculture Research</i> , 2019, 50, 2938-2950.	0.9	5
8	Storage of Carotenoids in Crustaceans as an Adaptation to Modulate Immunopathology and Optimize Immunological and Life-History Strategies. <i>BioEssays</i> , 2019, 41, e1800254.	1.2	14
9	Sexually dimorphic blue bands are intrasexual aposematic signals in nonterritorial damselflies. <i>Animal Behaviour</i> , 2019, 156, 21-29.	0.8	13
10	Red coloration varies with dietary carotenoid access and nutritional condition in kittiwakes. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	5
11	Body coloration and mechanisms of colour production in Archelosauria: the case of deirocheline turtles. <i>Royal Society Open Science</i> , 2019, 6, 190319.	1.1	19
12	Plumage redness signals mitochondrial function in the house finch. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191354.	1.2	52
13	Categorical colour perception occurs in both signalling and non-signalling colour ranges in a songbird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190524.	1.2	15
14	Sexual selection predicts the rate and direction of colour divergence in a large avian radiation. <i>Nature Communications</i> , 2019, 10, 1773.	5.8	71
15	Testing the resource tradeoff hypothesis for carotenoid-based signal honesty using genetic variants of the domestic canary. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	18
16	Varied effects of dietary carotenoid supplementation on oxidative damage in tissues of two waterfowl species. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 231, 67-74.	0.7	2
17	Recent advances in amniote palaeocolour reconstruction and a framework for future research. <i>Biological Reviews</i> , 2020, 95, 22-50.	4.7	24
18	An experimental test of mate choice for red carotenoid coloration in the marine copepod <i>Tigriopus californicus</i> . <i>Ethology</i> , 2020, 126, 344-352.	0.5	9

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19	Prevalence of <i>Toxocara</i> and <i>Toxascaris</i> infection among human and animals in Iran with meta-analysis approach. <i>BMC Infectious Diseases</i> , 2020, 20, 20.	1.3	48
20	Astaxanthin isomers: Selective distribution and isomerization in aquatic animals. <i>Aquaculture</i> , 2020, 520, 734915.	1.7	47
21	Flies Exploit Predictable Perspectives and Backgrounds to Enhance Iridescent Signal Salience and Mating Success. <i>American Naturalist</i> , 2020, 195, 733-742.	1.0	20
22	Itâ€™s Not about Him: Mismeasuring â€œGood Genesâ€™ in Sexual Selection. <i>Trends in Ecology and Evolution</i> , 2020, 35, 206-219.	4.2	37
23	Molecular Characterization and Determination of Relative Cytokine Expression in Naturally Infected Day-Old Chicks with Chicken Astrovirus Associated to White Chick Syndrome. <i>Animals</i> , 2020, 10, 1195.	1.0	11
24	Testing the sharedâ€‘pathway hypothesis in the carotenoidâ€‘based coloration of red crossbills. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 2348-2364.	1.1	22
25	Variation in carotenoid-containing retinal oil droplets correlates with variation in perception of carotenoid coloration. <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	0.6	9
26	Flies improve the salience of iridescent sexual signals by orienting toward the sun. <i>Behavioral Ecology</i> , 2020, 31, 1401-1409.	1.0	11
27	<i>CYP2J19</i> mediates carotenoid colour introgression across a natural avian hybrid zone. <i>Molecular Ecology</i> , 2020, 29, 4970-4984.	2.0	17
28	The Size, Symmetry, and Color Saturation of a Male Guppyâ€™s Ornaments Forecast His Resistance to Parasites. <i>American Naturalist</i> , 2020, 196, 597-608.	1.0	11
29	Tissue structure contributes to the production of a coloured skin display in the Common Myna. <i>Avian Biology Research</i> , 2020, 13, 100-107.	0.4	3
30	A quantitative trait locus on chromosome 2 was identified that accounts for a substantial proportion of phenotypic variance of the yellow plumage color in chicken. <i>Poultry Science</i> , 2020, 99, 2902-2910.	1.5	9
31	A ketocarotenoidâ€‘based colour polymorphism in the Sira poison frog <i>Ranitomeya sirensis</i> indicates novel gene interactions underlying aposematic signal variation. <i>Molecular Ecology</i> , 2020, 29, 2004-2015.	2.0	22
32	A genetic mechanism for sexual dichromatism in birds. <i>Science</i> , 2020, 368, 1270-1274.	6.0	71
33	Comparison of Gut Microbiota Between Golden and Brown Noble Scallop <i>Chlamys nobilis</i> and Its Association With Carotenoids. <i>Frontiers in Microbiology</i> , 2020, 11, 36.	1.5	16
34	CRISPR/Cas9-mediated deletion of $\beta$ , $\beta$ -carotene 9â€™, 10â€™-oxygenase gene ( <i>EcBCO2</i> ) from <i>Exopalaemon carinicauda</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 151, 168-177.	3.6	11
35	Mechanisms for Color Convergence in a Mimetic Radiation of Poison Frogs. <i>American Naturalist</i> , 2020, 195, E132-E149.	1.0	14
36	Embryo Selection and Mate Choice: Can â€œHonest Signalsâ€™ Be Trusted?. <i>Trends in Ecology and Evolution</i> , 2020, 35, 308-318.	4.2	17

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37	Red Coloration in an Anchialine Shrimp: Carotenoids, Genetic Variation, and Candidate Genes. <i>Biological Bulletin</i> , 2020, 238, 119-130.	0.7	14
38	Structural colours reflect individual quality: a meta-analysis. <i>Biology Letters</i> , 2020, 16, 20200001.	1.0	41
39	The potential utility of carotenoid-based coloration as a biomonitor of environmental change. <i>Ibis</i> , 2021, 163, 20-37.	1.0	17
40	Disruptions of feather carotenoid pigmentation in a subset of hybrid northern flickers ( <i>Colaptes</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Biochemistry and Molecular Biology</i> , 2021, 251, 110510.	0.7	3
41	Dietary <i>Haematococcus pluvialis</i> powder supplementation affect carotenoid content, astaxanthin isomer, antioxidant capacity and immune-related gene expression in Pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2021, 52, 2403-2414.	0.9	11
43	Effects of age and weather during moult on mountain bluebird <i>Sialia currucoides</i> structural coloration. <i>Journal of Avian Biology</i> , 2021, 52, .	0.6	3
45	Microstructures amplify carotenoid plumage signals in tanagers. <i>Scientific Reports</i> , 2021, 11, 8582.	1.6	17
46	Meta-analytic evidence for quantitative honesty in aposematic signals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210679.	1.2	17
47	Eat yourself sexy: how selective macronutrient intake influences the expression of a visual signal in common mynas. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	3
49	A Review and Assessment of the Shared-Pathway Hypothesis for the Maintenance of Signal Honesty in Red Ketocarotenoid-Based Coloration. <i>Integrative and Comparative Biology</i> , 2021, 61, 1811-1826.	0.9	14
50	Antibiotic treatment increases yellowness of carotenoid feather coloration in male greenfinches ( <i>Chloris chloris</i> ). <i>Scientific Reports</i> , 2021, 11, 13235.	1.6	2
51	Avian color expression and perception: is there a carotenoid link?. <i>Journal of Experimental Biology</i> , 2021, 224, .	0.8	3
52	Male-male interactions select for conspicuous male coloration in damselflies. <i>Animal Behaviour</i> , 2021, 176, 157-166.	0.8	7
53	Ecological effects on female bill colour explain plastic sexual dichromatism in a mutually-ornamented bird. <i>Scientific Reports</i> , 2021, 11, 14970.	1.6	5
54	Environmental gradients predict the ratio of environmentally acquired carotenoids to self-synthesised pteridine pigments. <i>Ecology Letters</i> , 2021, 24, 2207-2218.	3.0	10
55	Pterin-based pigmentation in animals. <i>Biology Letters</i> , 2021, 17, 20210221.	1.0	20
56	Development and genetics of red coloration in the zebrafish relative <i>Danio albolineatus</i> . <i>ELife</i> , 2021, 10, .	2.8	21
57	Strong evidence supporting a relationship between colour pattern and apparent survival in common crossbills. <i>Journal of Ornithology</i> , 2022, 163, 243-249.	0.5	6

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59	Dietary astaxanthin: an excellent carotenoid with multiple health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3019-3045.	5.4	48
60	Finite-difference Time-domain (FDTD) Optical Simulations: A Primer for the Life Sciences and Bio-Inspired Engineering. <i>Micron</i> , 2021, 151, 103160.	1.1	19
61	Detrimental effects of urbanization on the diet, health, and signal coloration of an ecologically successful alien bird. <i>Science of the Total Environment</i> , 2021, 796, 148828.	3.9	7
62	DFT and Raman study of all-trans astaxanthin optical isomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120143.	2.0	8
63	Body Color Expression in Birds. , 2021, , 91-126.		1
64	Evolution of female coloration: What have we learned from birds in general and blue tits in particular. <i>Advances in the Study of Behavior</i> , 2020, 52, 123-202.	1.0	17
67	A synergistic combination of structural and pigmentary colour produces non-spectral colour in the purple-breasted cotinga, <i>Cotinga cotinga</i> (Passeriformes: Cotingidae). <i>Biological Journal of the Linnean Society</i> , 2022, 135, 62-70.	0.7	4
68	Plumage colour saturation predicts long-term, cross-seasonal social dominance in a mutually ornamented bird. <i>Animal Behaviour</i> , 2021, 182, 239-250.	0.8	14
69	An age-related decline in the expression of a red carotenoid-based ornament in wild birds. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 3142-3153.	1.1	7
70	Stable isotope analysis of an aberrant Painted Bunting ( <i>Passerina ciris</i> ) feather suggests post-molt movements. <i>Wilson Journal of Ornithology</i> , 2021, 133, .	0.1	4
77	Estimating the distribution of carotenoid coloration in skin and integumentary structures of birds and extinct dinosaurs. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 42-57.	1.1	7
78	Carbon $\delta^{13}\text{C}$ Isotopic Marker Values Correlate with Carotenoid-Based Bill Colouration in Adult Yellow-Legged Gulls <i>Larus michahellis</i> . <i>Ardeola</i> , 2020, 67, 325.	0.4	0
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81	Carotenoid-based plumage colour saturation increases with temperature in Australian passerines. <i>Journal of Biogeography</i> , 2020, 47, 2671-2683.	1.4	3
82	Simulation of Ab Initio Optical Absorption Spectrum of $\beta^2$ -Carotene with Fully Resolved S0 and S2 Vibrational Normal Modes. <i>Journal of Physical Chemistry A</i> , 2022, 126, 180-189.	1.1	3
83	A tail of plumage colouration: disentangling geographic, seasonal and dietary effects on plumage colour in a migratory songbird. <i>Journal of Avian Biology</i> , 2022, 2022, .	0.6	0
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86	Distribution of astaxanthin in the spiny lobster <i>Jasus lalandii</i> : trends during biological cycles. <i>Invertebrate Reproduction and Development</i> , 2022, 66, 120-134.	0.3	1
87	Reliability of steatocrit as an indicator of intestinal health in young birds – Relationships with morphology and growth rate of canary <i>Serinus canaria</i> nestlings. <i>Zoology</i> , 2022, 151, 126004.	0.6	0
89	Animal Coloration in the Anthropocene. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	1.1	7
90	Bigger or long-winged male common crossbills exhibit redder carotenoid-based plumage coloration. <i>Environmental Epigenetics</i> , 0, , .	0.9	1
91	Can correlational analyses help determine the drivers of microcystin occurrence in freshwater ecosystems? A meta-analysis of microcystin and associated water quality parameters. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	1
92	Pathogenesis of Chicken Astrovirus Related Illnesses. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	4
93	Same Colors for Different Functions: Implications for the Evolution of Carotenoid-Based Ornamentation. <i>American Naturalist</i> , 2022, 200, E237-E247.	1.0	3
94	The hidden links between animal weapons, fighting style, and their effect on contest success: a meta-analysis. <i>Biological Reviews</i> , 2022, 97, 1948-1966.	4.7	14
95	Plumage Coloration in Greater Flamingos <i>Phoenicopterus roseus</i> is Affected by Interactions between Foraging Site, Body Condition and Sex. <i>Ardeola</i> , 2022, 69, .	0.4	2
96	Exceptional properties of hyper-resistant armor of a hydrothermal vent crab. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
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99	No evidence that endohelminth parasites cause selection against hybrid orioles across the Baltimore-Bullock's Oriole hybrid zone. <i>Auk</i> , 0, , .	0.7	1
100	Pesticide impacts on avian species with special reference to farmland birds: a review. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	20
101	A mechanism for red coloration in vertebrates. <i>Current Biology</i> , 2022, 32, 4201-4214.e12.	1.8	20
102	Stereoselective Synthesis of Bisfuranoxide (Aurochrome, Auroxanthin) and Monofuranoxide (Equinenone 5,8-Epoxyde) Carotenoids by Double Horner-Wadsworth-Emmons Reaction. <i>Journal of Natural Products</i> , 0, , .	1.5	0
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105	Ornaments are equally informative in male and female birds. <i>Nature Communications</i> , 2022, 13, .	5.8	11
106	Evolution: The biochemistry of honest sexual signaling. <i>Current Biology</i> , 2022, 32, R1005-R1007.	1.8	5
107	Colour of adult avian integumentary features reveals differences related to <i>in ovo</i> stressors. <i>Ibis</i> , 0, , .	1.0	1
108	Painting the Bunting: Carotenoids and structural elements combine to produce the feather coloration of the male Painted Bunting. <i>Auk</i> , 0, , .	0.7	1
109	Interspecific differences in plasma carotenoid profiles in nestlings of three sympatric vulture species. <i>Environmental Epigenetics</i> , 2023, 69, 658-669.	0.9	3
110	The mechanisms of color production in black skin versus red skin on the heads of New World vultures. <i>Avian Research</i> , 2023, 14, 100071.	0.5	3
111	Feather function and the evolution of birds. <i>Biological Reviews</i> , 2023, 98, 540-566.	4.7	18
112	Fortification and bioaccessibility of saffron apocarotenoids in potato tubers. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	2
113	Delayed plumage signals social status in a mutually ornamented bird. <i>Journal of Ornithology</i> , 0, , .	0.5	2
115	Revisiting the Baltimoreâ€“Bullock's Oriole hybrid zone reveals changing plumage colour in Bullock's Orioles. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	1
116	Female and male plumage brightness is positively correlated among populations of the dichromatic Variable Seedeater. <i>Auk</i> , 0, , .	0.7	1
117	Melanin- and Carotenoid-Based Coloration of Plumage and the Level of Aggressiveness: The Relationship of These Parameters in the Greenfinch ( <i>Chloris chloris</i> , Passeriformes, Fringillidae). <i>Biology Bulletin</i> , 2022, 49, 1482-1490.	0.1	0
118	Preformative molt extent of <i>Cardellina</i> warblers increases with breeding latitude and migration distance. <i>Wilson Journal of Ornithology</i> , 2023, 135, .	0.1	0
131	Integument. <i>Fascinating Life Sciences</i> , 2023, , 319-477.	0.5	0
134	Evolution of song and colour across the canary relatives. , 2024, , 163-197.		0
135	Canary domestication as a model for genomics research and avian evolution. , 2024, , 255-282.		0