

Matthew B Toomey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2004613/publications.pdf>

Version: 2024-02-01

40
papers

3,320
citations

257450

24
h-index

315739

38
g-index

46
all docs

46
docs citations

46
times ranked

6688
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods for extracting and analyzing carotenoids from bird feathers. <i>Methods in Enzymology</i> , 2022, , .	1.0	2
2	Avian color expression and perception: is there a carotenoid link?. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	3
3	Development and genetics of red coloration in the zebrafish relative <i>Danio albolineatus</i> . <i>ELife</i> , 2021, 10, .	6.0	21
4	Genetic Basis of De Novo Appearance of Carotenoid Ornamentation in Bare Parts of Canaries. <i>Molecular Biology and Evolution</i> , 2020, 37, 1317-1328.	8.9	30
5	A genetic mechanism for sexual dichromatism in birds. <i>Science</i> , 2020, 368, 1270-1274.	12.6	71
6	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, .	1.7	18
7	Thyroid hormone regulates distinct paths to maturation in pigment cell lineages. <i>ELife</i> , 2019, 8, .	6.0	106
8	No evidence that carotenoid pigments boost either immune or antioxidant defenses in a songbird. <i>Nature Communications</i> , 2018, 9, 491.	12.8	1,639
9	A non-coding region near Follistatin controls head colour polymorphism in the Gouldian finch. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181788.	2.6	39
10	Specialized photoreceptor composition in the raptor fovea. <i>Journal of Comparative Neurology</i> , 2017, 525, 2152-2163.	1.6	38
11	High-density lipoprotein receptor SCARB1 is required for carotenoid coloration in birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5219-5224.	7.1	104
12	Cambrian origin of the CYP27C1-mediated vitamin A ₁ -to-A ₂ switch, a key mechanism of vertebrate sensory plasticity. <i>Royal Society Open Science</i> , 2017, 4, 170362.	2.4	25
13	Evolution, Development and Function of Vertebrate Cone Oil Droplets. <i>Frontiers in Neural Circuits</i> , 2017, 11, 97.	2.8	51
14	Human cytochrome P450 27C1 catalyzes 3,4- ϵ -desaturation of retinoids. <i>FEBS Letters</i> , 2016, 590, 1304-1312.	2.8	30
15	Genetic Basis for Red Coloration in Birds. <i>Current Biology</i> , 2016, 26, 1427-1434.	3.9	192
16	The effects of sun exposure on carotenoid accumulation and oxidative stress in the retina of the House Finch (<i>Haemorrhous mexicanus</i>). <i>Avian Research</i> , 2016, 7, .	1.2	4
17	Complementary shifts in photoreceptor spectral tuning unlock the full adaptive potential of ultraviolet vision in birds. <i>ELife</i> , 2016, 5, .	6.0	45
18	Cyp27c1 Red-Shifts the Spectral Sensitivity of Photoreceptors by Converting Vitamin A1 into A2. <i>Current Biology</i> , 2015, 25, 3048-3057.	3.9	135

#	ARTICLE	IF	CITATIONS
19	Effects of carotenoid supplementation and oxidative challenges on physiological parameters and carotenoid-based coloration in an urbanization context. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 957-970.	1.4	40
20	Optics of cone photoreceptors in the chicken (<i>Gallus gallus domesticus</i>). <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150591.	3.4	37
21	A complex carotenoid palette tunes avian colour vision. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150563.	3.4	49
22	Ketocarotenoid circulation, but not retinal carotenoid accumulation, is linked to eye disease status in a wild songbird. <i>Archives of Biochemistry and Biophysics</i> , 2013, 539, 156-162.	3.0	6
23	Ontogenetic immune challenges shape adult personality in mallard ducks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 326-333.	2.6	38
24	Food color preferences against a dark, textured background vary in relation to sex and age in house finches (<i>Carpodacus mexicanus</i>). <i>Behaviour</i> , 2012, 149, 51-65.	0.8	4
25	Can House Finches (<i>Carpodacus mexicanus</i>) use non-visual cues to discriminate the carotenoid content of foods?. <i>Journal of Ornithology</i> , 2012, 153, 1017-1023.	1.1	16
26	Mate choice for a male carotenoid-based ornament is linked to female dietary carotenoid intake and accumulation. <i>BMC Evolutionary Biology</i> , 2012, 12, 3.	3.2	41
27	The Effects of Dietary Carotenoid Supplementation and Retinal Carotenoid Accumulation on Vision-Mediated Foraging in the House Finch. <i>PLoS ONE</i> , 2011, 6, e21653.	2.5	21
28	How many color metrics do we need? Evaluating how different color-scoring procedures explain carotenoid pigment content in avian bare-part and plumage ornaments. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 401-413.	1.4	68
29	A novel method for quantifying the glossiness of animals. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1047-1055.	1.4	20
30	Immune-system activation depletes retinal carotenoids in house finches (<i>Carpodacus</i>). <i>Trends in Ecology and Evolution</i> , 2010, 25, 302-307.	1.7	47
31	Carotenoid Accumulation in the Tissues of Zebra Finches: Predictors of Integumentary Pigmentation and Implications for Carotenoid Allocation Strategies. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 97-109.	1.5	70
32	The effects of dietary carotenoid intake on carotenoid accumulation in the retina of a wild bird, the house finch (<i>Carpodacus mexicanus</i>). <i>Archives of Biochemistry and Biophysics</i> , 2010, 504, 161-168.	3.0	26
33	Seasonal, sexual, and quality related variation in retinal carotenoid accumulation in the house finch (<i>Carpodacus mexicanus</i>). <i>Functional Ecology</i> , 2009, 23, 321-329.	3.6	37
34	Food Color Preferences of Molting House Finches (<i>Carpodacus mexicanus</i>) in Relation to Sex and Plumage Coloration. <i>Ethology</i> , 2009, 115, 1066-1073.	1.1	10
35	Iridescence: views from many angles. <i>Journal of the Royal Society Interface</i> , 2009, 6, S107-113.	3.4	55
36	Modified Saponification and HPLC Methods for Analyzing Carotenoids from the Retina of Quail: Implications for Its Use as a Nonprimate Model Species. <i>Journal of Avian Biology</i> , 2007, 48, 397-402.		38

#	ARTICLE	IF	CITATIONS
37	The Effects of Social Context on the Food-Caching Behavior of Florida Scrub-Jays (<i>Aphelocoma</i>) Tj ETQq1 1 0.784314rgBT /Oyerlock 10	1.1	6
38	A description of unique fluorescent yellow pigments in penguin feathers. <i>Pigment Cell & Melanoma Research</i> , 2007, 20, 301-304.	3.6	53
39	Factors affecting the movement of adult zebra mussels (<i>Dreissena polymorpha</i>). <i>Journal of the North American Benthological Society</i> , 2002, 21, 468-475.	3.1	68
40	Expression of and choice for condition-dependent carotenoid-based color in an urbanizing context. <i>Behavioral Ecology</i> , 0, , .	2.2	10