

# Matthew J Fuxjager

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7464092/publications.pdf>

Version: 2024-02-01

73  
papers

2,472  
citations

201674

27  
h-index

233421

45  
g-index

78  
all docs

78  
docs citations

78  
times ranked

2226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	27.8	251
2	Testosterone release and social context: When it occurs and why. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 460-469.	5.2	222
3	Winning territorial disputes selectively enhances androgen sensitivity in neural pathways related to motivation and social aggression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12393-12398.	7.1	185
4	The "home advantage" is necessary for a full winner effect and changes in post-encounter testosterone. <i>Hormones and Behavior</i> , 2009, 56, 214-219.	2.1	84
5	How and why the winner effect forms: influences of contest environment and species differences. <i>Behavioral Ecology</i> , 2010, 21, 37-45.	2.2	72
6	Peripheral Androgen Receptors Sustain the Acrobatics and Fine Motor Skill of Elaborate Male Courtship. <i>Endocrinology</i> , 2013, 154, 3168-3177.	2.8	64
7	Macroevolutionary Patterning in Glucocorticoids Suggests Different Selective Pressures Shape Baseline and Stress-Induced Levels. <i>American Naturalist</i> , 2019, 193, 866-880.	2.1	64
8	Physiological control of elaborate male courtship: Female choice for neuromuscular systems. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 46, 534-546.	6.1	58
9	Baseline and stress-induced corticosterone levels across birds and reptiles do not reflect urbanization levels. <i>PLoS ONE</i> , 2020, 15, e0231110.	5.2	57
10	Functionally opposing effects of testosterone on two different types of parasite: implications for the immunocompetence handicap hypothesis. <i>Functional Ecology</i> , 2011, 25, 132-138.	3.6	55
11	Evolutionary patterns of adaptive acrobatics and physical performance predict expression profiles of androgen receptor " but not oestrogen receptor " in the forelimb musculature. <i>Functional Ecology</i> , 2015, 29, 1197-1208.	3.6	55
12	Hormones and the neuromuscular control of courtship in the golden-collared manakin ( <i>Manacus</i> ) <i>Tj ETQqO 0 0 rgBT J(Overlock_10 Tf 50</i>	5.2	53
13	Independent and Additive Contributions of Postvictory Testosterone and Social Experience to the Development of the Winner Effect. <i>Endocrinology</i> , 2011, 152, 3422-3429.	2.8	50
14	Male fidelity expressed through rapid testosterone suppression of ultrasonic vocalizations to novel females in the monogamous California mouse. <i>Hormones and Behavior</i> , 2015, 70, 47-56.	2.1	50
15	Orientation of hatchling loggerhead sea turtles to regional magnetic fields along a transoceanic migratory pathway. <i>Journal of Experimental Biology</i> , 2011, 214, 2504-2508.	1.7	45
16	Androgens Regulate Gene Expression in Avian Skeletal Muscles. <i>PLoS ONE</i> , 2012, 7, e51482.	2.5	45
17	Increased androgenic sensitivity in the hind limb muscular system marks the evolution of a derived gestural display. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5664-5669.	7.1	45
18	HormoneBase, a population-level database of steroid hormone levels across vertebrates. <i>Scientific Data</i> , 2018, 5, 180097.	5.3	42

#	ARTICLE	IF	CITATIONS
19	Expression of androgen receptor in the brain of a sub-oscine bird with an elaborate courtship display. <i>Neuroscience Letters</i> , 2014, 578, 61-65.	2.1	41
20	Androgenic signaling systems and their role in behavioral evolution. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 184, 47-56.	2.5	41
21	Spinal Motor and Sensory Neurons Are Androgen Targets in an Acrobatic Bird. <i>Endocrinology</i> , 2012, 153, 3780-3791.	2.8	39
22	Research Resource: Hormones, Genes, and Athleticism: Effect of Androgens on the Avian Muscular Transcriptome. <i>Molecular Endocrinology</i> , 2016, 30, 254-271.	3.7	37
23	Macroevolutionary patterning of woodpecker drums reveals how sexual selection elaborates signals under constraint. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172628.	2.6	37
24	Select forelimb muscles have evolved superfast contractile speed to support acrobatic social displays. <i>ELife</i> , 2016, 5, e13544.	6.0	37
25	Species differences in the winner effect disappear in response to post-victory testosterone manipulations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3497-3503.	2.6	32
26	The geomagnetic environment in which sea turtle eggs incubate affects subsequent magnetic navigation behaviour of hatchlings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141218.	2.6	31
27	Evolution of Vocal Diversity through Morphological Adaptation without Vocal Learning or Complex Neural Control. <i>Current Biology</i> , 2017, 27, 2677-2683.e3.	3.9	30
28	Androgens Support Male Acrobatic Courtship Behavior by Enhancing Muscle Speed and Easing the Severity of Its Tradeoff With Force. <i>Endocrinology</i> , 2017, 158, 4038-4046.	2.8	30
29	Perspectives on the evolution of animal dancing: a case study of manakins. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 7-12.	3.9	28
30	The social context of a territorial dispute differentially influences the way individuals in breeding pairs coordinate their aggressive tactics. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 673-682.	1.4	27
31	Metabolic Scaling of Stress Hormones in Vertebrates. <i>Integrative and Comparative Biology</i> , 2018, 58, 729-738.	2.0	27
32	Deciding to win: interactive effects of residency, resources and "boldness"™ on contest outcome in white-footed mice. <i>Animal Behaviour</i> , 2010, 80, 921-927.	1.9	26
33	High-speed displays encoding motor skill trigger elevated territorial aggression in downy woodpeckers. <i>Functional Ecology</i> , 2018, 32, 450-460.	3.6	26
34	Physiological constraint on acrobatic courtship behavior underlies rapid sympatric speciation in bearded manakins. <i>ELife</i> , 2018, 7, .	6.0	25
35	What can animal research tell us about the link between androgens and social competition in humans?. <i>Hormones and Behavior</i> , 2017, 92, 182-189.	2.1	24
36	Synergistic selection regimens drive the evolution of display complexity in birds of paradise. <i>Journal of Animal Ecology</i> , 2018, 87, 1149-1159.	2.8	23

#	ARTICLE	IF	CITATIONS
37	Peripheral androgen action helps modulate vocal production in a suboscine passerine. <i>Auk</i> , 2014, 131, 327-334.	1.4	22
38	Do Seasonal Glucocorticoid Changes Depend on Reproductive Investment? A Comparative Approach in Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 739-750.	2.0	21
39	Evolution of the androgen-induced male phenotype. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 81-92.	1.6	20
40	Phenotypic variation reveals sites of evolutionary constraint in the androgenic signaling pathway. <i>Hormones and Behavior</i> , 2019, 115, 104538.	2.1	19
41	Evolution of the androgen receptor: Perspectives from human health to dancing birds. <i>Molecular and Cellular Endocrinology</i> , 2020, 499, 110577.	3.2	19
42	Expression of 5 $\alpha$ - and 5 $\beta$ -reductase in spinal cord and muscle of birds with different courtship repertoires. <i>Frontiers in Zoology</i> , 2016, 13, 25.	2.0	17
43	A single testosterone pulse rapidly reduces urinary marking behaviour in subordinate, but not dominant, white-footed mice. <i>Animal Behaviour</i> , 2015, 100, 8-14.	1.9	16
44	Animal choreography of song and dance: a case study in the Montezuma oropendola, <i>Psarocolius montezuma</i> . <i>Animal Behaviour</i> , 2018, 140, 99-107.	1.9	15
45	Biogeography predicts macro-evolutionary patterning of gestural display complexity in a passerine family. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1406-1416.	2.3	14
46	Phenotypic Diversity Arises from Secondary Signal Loss in the Elaborate Visual Displays of Toucans and Barbets. <i>American Naturalist</i> , 2019, 194, 152-167.	2.1	14
47	Androgenic modulation of extraordinary muscle speed creates a performance trade-off with endurance. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	14
48	IUCN Conservation Status Does Not Predict Glucocorticoid Concentrations in Reptiles and Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 800-813.	2.0	13
49	Standing Variation and the Capacity for Change: Are Endocrine Phenotypes More Variable Than Other Traits?. <i>Integrative and Comparative Biology</i> , 2018, 58, 751-762.	2.0	13
50	Selection for Rhythm as a Trigger for Recursive Evolution in the Elaborate Display System of Woodpeckers. <i>American Naturalist</i> , 2020, 195, 772-787.	2.1	13
51	A Common Endocrine Signature Marks the Convergent Evolution of an Elaborate Dance Display in Frogs. <i>American Naturalist</i> , 2021, 198, 522-539.	2.1	13
52	Self-deception's adaptive value: Effects of positive thinking and the winner effect. <i>Consciousness and Cognition</i> , 2012, 21, 315-324.	1.5	12
53	Evolutionary and Biomechanical Basis of Drumming Behavior in Woodpeckers. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	12
54	Neuromuscular mechanisms of an elaborate wing display in the golden-collared manakin ( <i>Manacus</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.7	11

#	ARTICLE	IF	CITATIONS
55	Woodpecker drumming behavior is linked to the elevated expression of genes that encode calcium handling proteins in the neck musculature. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	11
56	Life history and environment predict variation in testosterone across vertebrates. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 1003-1010.	2.3	11
57	Layered evolution of gene expression in "superfast" muscles for courtship. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119671119.	7.1	11
58	Proposing a neural framework for the evolution of elaborate courtship displays. <i>ELife</i> , 0, 11, .	6.0	11
59	Adaptive evolution of a derived radius morphology in manakins (Aves, Pipridae) to support acrobatic display behavior. <i>Journal of Morphology</i> , 2016, 277, 766-775.	1.2	10
60	Insight into the neuroendocrine basis of signal evolution: a case study in foot-flagging frogs. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 61-70.	1.6	10
61	Androgen Receptor Modulates Multimodal Displays in the Bornean Rock Frog ( <i>Sturoides</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i>	2.0	10
62	Rapid effects of testosterone on social decision-making in a monogamous California mice ( <i>Peromyscus</i> ) <i>Tj ETQq0 0,0 rgBT /Oyerlock 10</i>	2.1	9
63	Sex Steroids as Regulators of Gestural Communication. <i>Endocrinology</i> , 2020, 161, .	2.8	9
64	Physiological innovation and the evolutionary elaboration of courtship behaviour. <i>Animal Behaviour</i> , 2022, 184, 185-195.	1.9	9
65	Social context modulates how the winner effect restructures territorial behaviour in free-living woodpeckers. <i>Animal Behaviour</i> , 2019, 150, 209-218.	1.9	8
66	Testosterone amplifies the negative valence of an agonistic gestural display by exploiting receiver perceptual bias. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211848.	2.6	5
67	Specialized androgen synthesis in skeletal muscles that actuate elaborate social displays. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	5
68	Insight into the Evolution of Anuran Foot Flag Displays: A Comparative Study of Color and Kinematics. <i>Ichthyology and Herpetology</i> , 2021, 109, .	0.8	4
69	Woodpecker drum evolution: An analysis of covariation in elements of a multicomponent acoustic display among and within species. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 1469-1480.	2.3	4
70	Cost-Reducing Traits for Agonistic Head Collisions: A Case for Neurophysiology. <i>Integrative and Comparative Biology</i> , 2021, 61, 1394-1405.	2.0	3
71	Neuroendocrine regulation of vocalizations and other sounds in nonsongbirds. , 2021, , 315-326.		3
72	Species-Specific Means and Within-Species Variance in Glucocorticoid Hormones and Speciation Rates in Birds. <i>Integrative and Comparative Biology</i> , 2018, 58, 763-776.	2.0	2

#	ARTICLE	IF	CITATIONS
73	Hormonal and Neuromuscular Regulation of Courtship Displays. , 2019, , 428-440.		0