

# Luke Remage-Healey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4905761/publications.pdf>

Version: 2024-02-01

60  
papers

3,153  
citations

172457

29  
h-index

155660

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1924  
citing authors

#	ARTICLE	IF	CITATIONS
1	The form, function, and evolutionary significance of neural aromatization. <i>Frontiers in Neuroendocrinology</i> , 2022, 64, 100967.	5.2	13
2	A neural circuit perspective on brain aromatase. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100973.	5.2	13
3	Non-sensory Influences on Auditory Learning and Plasticity. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2022, 23, 151-166.	1.8	1
4	Adult-like neural representation of species-specific songs in the auditory forebrain of zebra finch nestlings. <i>Developmental Neurobiology</i> , 2021, 81, 123-138.	3.0	5
5	Dopamine Modulation of Motor and Sensory Cortical Plasticity among Vertebrates. <i>Integrative and Comparative Biology</i> , 2021, 61, 316-336.	2.0	22
6	Dopamine D1 Receptor Activation Drives Plasticity in the Songbird Auditory Pallium. <i>Journal of Neuroscience</i> , 2021, 41, 6050-6069.	3.6	8
7	Genetically identified neurons in avian auditory pallium mirror core principles of their mammalian counterparts. <i>Current Biology</i> , 2021, 31, 2831-2843.e6.	3.9	19
8	Aromatase and nonaromatase neurons in the zebra finch secondary auditory forebrain are indistinct in their song-driven gene induction and intrinsic electrophysiological properties. <i>European Journal of Neuroscience</i> , 2021, 54, 7072-7091.	2.6	5
9	Acute neuroestrogen blockade attenuates song-induced immediate early gene expression in auditory regions of male and female zebra finches. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 15-31.	1.6	16
10	Neuroestrogen synthesis modifies neural representations of learned song without altering vocal imitation in developing songbirds. <i>Scientific Reports</i> , 2020, 10, 3602.	3.3	12
11	Hormonal Regulation of Avian Auditory Processing. <i>Springer Handbook of Auditory Research</i> , 2020, , 157-174.	0.7	3
12	Auditory learning in an operant task with social reinforcement is dependent on neuroestrogen synthesis in the male songbird auditory cortex. <i>Hormones and Behavior</i> , 2020, 121, 104713.	2.1	18
13	Testosterone synthesis in the female songbird brain. <i>Hormones and Behavior</i> , 2020, 121, 104716.	2.1	19
14	Adverse Effects of Aromatase Inhibition on the Brain and Behavior in a Nonhuman Primate. <i>Journal of Neuroscience</i> , 2019, 39, 918-928.	3.6	37
15	Differential Effects of Dorsal and Ventral Medial Prefrontal Cortex Inactivation during Natural Reward Seeking, Extinction, and Cue-Induced Reinstatement. <i>ENeuro</i> , 2019, 6, ENEURO.0296-19.2019.	1.9	42
16	Local Estrogen Synthesis Regulates Parallel Fiber-Purkinje Cell Neurotransmission Within the Cerebellar Cortex. <i>Endocrinology</i> , 2018, 159, 1328-1338.	2.8	21
17	A Membrane G-Protein-Coupled Estrogen Receptor Is Necessary but Not Sufficient for Sex Differences in Zebra Finch Auditory Coding. <i>Endocrinology</i> , 2018, 159, 1360-1376.	2.8	34
18	Steroids and the brain: 50 years of research, conceptual shifts and the ascent of non-classical and membrane-initiated actions. <i>Hormones and Behavior</i> , 2018, 99, 1-8.	2.1	68

#	ARTICLE	IF	CITATIONS
19	Neuroestrogens rapidly shape auditory circuits to support communication learning and perception: Evidence from songbirds. <i>Hormones and Behavior</i> , 2018, 104, 77-87.	2.1	30
20	Norepinephrine enhances song responsiveness and encoding in the auditory forebrain of male zebra finches. <i>Journal of Neurophysiology</i> , 2018, 119, 209-220.	1.8	23
21	Rapid effects of steroids in the brain. <i>Hormones and Behavior</i> , 2018, 104, 1-3.	2.1	3
22	Species Diversity Matters in Biological Research. Policy Insights From the Behavioral and Brain Sciences, 2017, 4, 210-218.	2.4	10
23	Clustered organization and region-specific identities of estrogen-producing neurons in the forebrain of Zebra Finches ( <i>Taeniopygia guttata</i> ). <i>Journal of Comparative Neurology</i> , 2017, 525, 3636-3652.	1.6	22
24	A neuronal signature of accurate imitative learning in wild-caught songbirds (swamp sparrows). <i>Journal of Neurophysiology</i> , 2017, 117, 1011-1020.	3.3	10
25	Sensory Coding and Sensitivity to Local Estrogens Shift during Critical Period Milestones in the Auditory Cortex of Male Songbirds. <i>ENeuro</i> , 2017, 4, ENEURO.0317-17.2017.	1.9	19
26	Inhibition of local estrogen synthesis in the hippocampus impairs hippocampal memory consolidation in ovariectomized female mice. <i>Hormones and Behavior</i> , 2016, 83, 60-67.	2.1	103
27	Actions of Steroids: New Neurotransmitters. <i>Journal of Neuroscience</i> , 2016, 36, 11449-11458.	3.6	79
28	It takes a seasoned bird to be a good listener: communication between the sexes. <i>Current Opinion in Neurobiology</i> , 2016, 38, 12-17.	4.2	21
29	Modulation of Peripheral and Central Auditory Processing by Estrogens in Birds. <i>Springer Handbook of Auditory Research</i> , 2016, , 77-99.	0.7	7
30	Brain estrogen production and the encoding of recent experience. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 148-153.	3.9	15
31	Dynamic variation in forebrain estradiol levels during song learning. <i>Developmental Neurobiology</i> , 2015, 75, 271-286.	3.0	33
32	Sex differences and rapid estrogen signaling: A look at songbird audition. <i>Frontiers in Neuroendocrinology</i> , 2015, 38, 37-49.	5.2	38
33	Norepinephrine Modulates Coding of Complex Vocalizations in the Songbird Auditory Cortex Independent of Local Neuroestrogen Synthesis. <i>Journal of Neuroscience</i> , 2015, 35, 9356-9368.	3.6	49
34	In Vivo Detection of Fluctuating Brain Steroid Levels in Zebra Finches. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot084616.	0.3	8
35	Establishing regional specificity of neuroestrogen action. <i>General and Comparative Endocrinology</i> , 2014, 205, 235-241.	1.8	13
36	Frank Beach Award Winner: Steroids as neuromodulators of brain circuits and behavior. <i>Hormones and Behavior</i> , 2014, 66, 552-560.	2.1	46

#	ARTICLE	IF	CITATIONS
37	Recent Evidence for Rapid Synthesis and Action of Oestrogens During Auditory Processing in a Songbird. <i>Journal of Neuroendocrinology</i> , 2013, 25, 1024-1031.	2.6	33
38	Sex-specific, rapid neuroestrogen fluctuations and neurophysiological actions in the songbird auditory forebrain. <i>Journal of Neurophysiology</i> , 2012, 107, 1621-1631.	1.8	112
39	Changing Neuroestrogens Within the Auditory Forebrain Rapidly Transform Stimulus Selectivity in a Downstream Sensorimotor Nucleus. <i>Journal of Neuroscience</i> , 2012, 32, 8231-8241.	3.6	81
40	Brain estrogen signaling effects acute modulation of acoustic communication behaviors: A working hypothesis. <i>BioEssays</i> , 2012, 34, 1009-1016.	2.5	32
41	Estradiol Synthesis and Action at the Synapse: Evidence for ?Synaptocrine? Signaling. <i>Frontiers in Endocrinology</i> , 2011, 2, 28.	3.5	39
42	Combined Liquid and Solid-Phase Extraction Improves Quantification of Brain Estrogen Content. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 57.	1.7	25
43	Synaptocrine Signaling: Steroid Synthesis and Action at the Synapse. <i>Endocrine Reviews</i> , 2011, 32, 532-549.	20.1	211
44	Presynaptic Control of Rapid Estrogen Fluctuations in the Songbird Auditory Forebrain. <i>Journal of Neuroscience</i> , 2011, 31, 10034-10038.	3.6	66
45	Estradiol interacts with an opioidergic network to achieve rapid modulation of a vocal pattern generator. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 137-146.	1.6	15
46	Brain estrogens rapidly strengthen auditory encoding and guide song preference in a songbird. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3852-3857.	7.1	185
47	Birdsong and the neural production of steroids. <i>Journal of Chemical Neuroanatomy</i> , 2010, 39, 72-81.	2.1	49
48	Neurosteroid production in the songbird brain: A re-evaluation of core principles. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 302-314.	5.2	45
49	Forebrain steroid levels fluctuate rapidly during social interactions. <i>Nature Neuroscience</i> , 2008, 11, 1327-1334.	14.8	284
50	Central pattern generators for social vocalization: Androgen-dependent neurophysiological mechanisms. <i>Hormones and Behavior</i> , 2008, 53, 659-672.	2.1	68
51	Plasticity in Brain Sexuality Is Revealed by the Rapid Actions of Steroid Hormones. <i>Journal of Neuroscience</i> , 2007, 27, 1114-1122.	3.6	90
52	From social behavior to neural circuitry: Steroid hormones rapidly modulate advertisement calling via a vocal pattern generator. <i>Hormones and Behavior</i> , 2006, 50, 432-441.	2.1	92
53	A rapid neuromodulatory role for steroid hormones in the control of reproductive behavior. <i>Brain Research</i> , 2006, 1126, 27-35.	2.2	70
54	Dolphin foraging sounds suppress calling and elevate stress hormone levels in a prey species, the Gulf toadfish. <i>Journal of Experimental Biology</i> , 2006, 209, 4444-4451.	1.7	102

#	ARTICLE	IF	CITATIONS
55	Rapid elevations in both steroid hormones and vocal signaling during playback challenge: a field experiment in Gulf toadfish. <i>Hormones and Behavior</i> , 2005, 47, 297-305.	2.1	101
56	Rapid, Hierarchical Modulation of Vocal Patterning by Steroid Hormones. <i>Journal of Neuroscience</i> , 2004, 24, 5892-5900.	3.6	182
57	Behavioral and adrenocortical responses to mate separation and reunion in the zebra finch. <i>Hormones and Behavior</i> , 2003, 43, 108-114.	2.1	103
58	Corticosterone and insulin interact to regulate plasma glucose but not lipid concentrations in molting starlings. <i>General and Comparative Endocrinology</i> , 2002, 129, 88-94.	1.8	19
59	Daily and Seasonal Variation in Response to Stress in Captive Starlings ( <i>Sturnus vulgaris</i> ): Corticosterone. <i>General and Comparative Endocrinology</i> , 2000, 119, 52-59.	1.8	201
60	Daily and Seasonal Variation in Response to Stress in Captive Starlings ( <i>Sturnus Vulgaris</i> ): Glucose. <i>General and Comparative Endocrinology</i> , 2000, 119, 60-68.	1.8	62