

Luke Remage-Healey

List of Publications by Year in descending order

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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	Forebrain steroid levels fluctuate rapidly during social interactions. <i>Nature Neuroscience</i> , 2008, 11, 1327-1334.	14.8	284
2	Synaptocrine Signaling: Steroid Synthesis and Action at the Synapse. <i>Endocrine Reviews</i> , 2011, 32, 532-549.	20.1	211
3	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
4	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
5	Rapid, Hierarchical Modulation of Vocal Patterning by Steroid Hormones. <i>Journal of Neuroscience</i> , 2004, 24, 5892-5900.	3.6	182
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	Actions of Steroids: New Neurotransmitters. <i>Journal of Neuroscience</i> , 2016, 36, 11449-11458.	3.6	79
15	A rapid neuromodulatory role for steroid hormones in the control of reproductive behavior. <i>Brain Research</i> , 2006, 1126, 27-35.	2.2	70
16	Central pattern generators for social vocalization: Androgen-dependent neurophysiological mechanisms. <i>Hormones and Behavior</i> , 2008, 53, 659-672.	2.1	68
17	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
18	Presynaptic Control of Rapid Estrogen Fluctuations in the Songbird Auditory Forebrain. <i>Journal of Neuroscience</i> , 2011, 31, 10034-10038.	3.6	66

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19	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
20	Birdsong and the neural production of steroids. <i>Journal of Chemical Neuroanatomy</i> , 2010, 39, 72-81.	2.1	49
21	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
22	Frank Beach Award Winner: Steroids as neuromodulators of brain circuits and behavior. <i>Hormones and Behavior</i> , 2014, 66, 552-560.	2.1	46
23	Neurosteroid production in the songbird brain: A re-evaluation of core principles. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 302-314.	5.2	45
24	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
25	Estradiol Synthesis and Action at the Synapse: Evidence for ?Synaptocrine? Signaling. <i>Frontiers in Endocrinology</i> , 2011, 2, 28.	3.5	39
26	Sex differences and rapid estrogen signaling: A look at songbird audition. <i>Frontiers in Neuroendocrinology</i> , 2015, 38, 37-49.	5.2	38
27	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
28	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
29	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
30	Dynamic variation in forebrain estradiol levels during song learning. <i>Developmental Neurobiology</i> , 2015, 75, 271-286.	3.0	33
31	Brain estrogen signaling effects acute modulation of acoustic communication behaviors: A working hypothesis. <i>BioEssays</i> , 2012, 34, 1009-1016.	2.5	32
32	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
33	Combined Liquid and Solid-Phase Extraction Improves Quantification of Brain Estrogen Content. <i>Frontiers in Neuroanatomy</i> , 2011, 5, 57.	1.7	25
34	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
35	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
36	Dopamine Modulation of Motor and Sensory Cortical Plasticity among Vertebrates. <i>Integrative and Comparative Biology</i> , 2021, 61, 316-336.	2.0	22

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37	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
38	Local Estrogen Synthesis Regulates Parallel Fiberâ€“Purkinje Cell Neurotransmission Within the Cerebellar Cortex. <i>Endocrinology</i> , 2018, 159, 1328-1338.	2.8	21
39	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
40	Testosterone synthesis in the female songbird brain. <i>Hormones and Behavior</i> , 2020, 121, 104716.	2.1	19
41	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
42	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
43	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
44	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
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 estrogen production and the encoding of recent experience. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 148-153.	3.9	15
47	Establishing regional specificity of neuroestrogen action. <i>General and Comparative Endocrinology</i> , 2014, 205, 235-241.	1.8	13
48	The form, function, and evolutionary significance of neural aromatization. <i>Frontiers in Neuroendocrinology</i> , 2022, 64, 100967.	5.2	13
49	A neural circuit perspective on brain aromatase. <i>Frontiers in Neuroendocrinology</i> , 2022, 65, 100973.	5.2	13
50	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
51	Species Diversity Matters in Biological Research. <i>Policy Insights From the Behavioral and Brain Sciences</i> , 2017, 4, 210-218.	2.4	10
52	A neuronal signature of accurate imitative learning in wild-caught songbirds (swamp sparrows,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.3	9
53	In Vivo Detection of Fluctuating Brain Steroid Levels in Zebra Finches. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot084616.	0.3	8
54	Dopamine D1 Receptor Activation Drives Plasticity in the Songbird Auditory Pallium. <i>Journal of Neuroscience</i> , 2021, 41, 6050-6069.	3.6	8

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55	Modulation of Peripheral and Central Auditory Processing by Estrogens in Birds. Springer Handbook of Auditory Research, 2016, , 77-99.	0.7	7
56	Adult-like neural representation of species-specific songs in the auditory forebrain of zebra finch nestlings. Developmental Neurobiology, 2021, 81, 123-138.	3.0	5
57	Aromatase and nonaromatase neurons in the zebra finch secondary auditory forebrain are indistinct in their song-driven gene induction and intrinsic electrophysiological properties. European Journal of Neuroscience, 2021, 54, 7072-7091.	2.6	5
58	Rapid effects of steroids in the brain. Hormones and Behavior, 2018, 104, 1-3.	2.1	3
59	Hormonal Regulation of Avian Auditory Processing. Springer Handbook of Auditory Research, 2020, , 157-174.	0.7	3
60	Non-sensory Influences on Auditory Learning and Plasticity. JARO - Journal of the Association for Research in Otolaryngology, 2022, 23, 151-166.	1.8	1