

# Richard L Hyson

## List of Publications by Year in descending order

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29  
papers

701  
citations

623734

14  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Afferent regulation of neurons in the brain stem auditory system. <i>Journal of Neurobiology</i> , 1990, 21, 169-196.	3.6	173
2	A depolarizing inhibitory response to GABA in brainstem auditory neurons of the chick. <i>Brain Research</i> , 1995, 677, 117-126.	2.2	90
3	The analysis of interaural time differences in the chick brain stem. <i>Physiology and Behavior</i> , 2005, 86, 297-305.	2.1	42
4	Electrophysiological characterization and computational models of HVC neurons in the zebra finch. <i>Journal of Neurophysiology</i> , 2013, 110, 1227-1245.	1.8	37
5	Female zebra finches do not sing yet share neural pathways necessary for singing in males. <i>Journal of Comparative Neurology</i> , 2019, 527, 843-855.	1.6	35
6	Activity-dependent regulation of a ribosomal RNA epitope in the chick cochlear nucleus. <i>Brain Research</i> , 1995, 672, 196-204.	2.2	34
7	Effect of GABA on the processing of interaural time differences in nucleus laminaris neurons in the chick. <i>European Journal of Neuroscience</i> , 1998, 10, 3438-3450.	2.6	31
8	Independent Premotor Encoding of the Sequence and Structure of Birdsong in Avian Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 16821-16834.	3.6	31
9	Glutamate-stimulated phosphatidylinositol metabolism in the avian cochlear nucleus. <i>Neuroscience Letters</i> , 1994, 168, 163-166.	2.1	24
10	Rapid deafferentation-induced upregulation of bcl-2 mRNA in the chick cochlear nucleus. <i>Molecular Brain Research</i> , 2002, 99, 67-74.	2.3	24
11	Neuronal Intrinsic Physiology Changes During Development of a Learned Behavior. <i>ENeuro</i> , 2017, 4, ENEURO.0297-17.2017.	1.9	23
12	Activation of metabotropic glutamate receptors is necessary for transneuronal regulation of ribosomes in chick auditory neurons. <i>Brain Research</i> , 1998, 809, 214-220.	2.2	19
13	Axial Organization of a Brain Region That Sequences a Learned Pattern of Behavior. <i>Journal of Neuroscience</i> , 2012, 32, 9312-9322.	3.6	19
14	Experience-Dependent Intrinsic Plasticity During Auditory Learning. <i>Journal of Neuroscience</i> , 2019, 39, 1206-1221.	3.6	19
15	Group I and II metabotropic glutamate receptors are necessary for the activity-dependent regulation of ribosomes in chick auditory neurons. <i>Brain Research</i> , 2004, 1014, 110-119.	2.2	14
16	Transneuronal regulation of ribosomes after blockade of ionotropic excitatory amino acid receptors. <i>Brain Research</i> , 1997, 749, 61-70.	2.2	13
17	Localization of CB1 cannabinoid receptor mRNA in the brain of the chick ( <i>Gallus domesticus</i> ). <i>Brain Research</i> , 2008, 1245, 61-73.	2.2	12
18	A distributed neural network model for the distinct roles of medial and lateral HVC in zebra finch song production. <i>Journal of Neurophysiology</i> , 2017, 118, 677-692.	1.8	10

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19	In vivo analysis of the role of metabotropic glutamate receptors in the afferent regulation of chick cochlear nucleus neurons. <i>Hearing Research</i> , 2011, 272, 49-57.	2.0	9
20	Orthogonal topography in the parallel input architecture of songbird HVC. <i>Journal of Comparative Neurology</i> , 2017, 525, 2133-2151.	1.6	8
21	Effects of lithium and deafferentation on expression of glycogen synthase kinase-3 $\beta$ , NF $\kappa$ B, $\beta$ -catenin and pCreb in the chick cochlear nucleus. <i>Brain Research</i> , 2008, 1203, 18-25.	2.2	6
22	Intrinsic physiological properties underlie auditory response diversity in the avian cochlear nucleus. <i>Journal of Neurophysiology</i> , 2019, 121, 908-927.	1.8	6
23	Activation of Metabotropic Glutamate Receptors Regulates Ribosomes of Cochlear Nucleus Neurons. <i>PLoS ONE</i> , 2014, 9, e111243.	2.5	5
24	Intrinsic physiology of inhibitory neurons changes over auditory development. <i>Journal of Neurophysiology</i> , 2018, 119, 290-304.	1.8	5
25	Differences in expression of GABAA receptor subunits, but not benzodiazepine binding, in the chick brainstem auditory system. <i>Journal of Molecular Neuroscience</i> , 1997, 8, 193-205.	2.3	3
26	A role for inhibition in deafness-induced plasticity of the avian auditory brainstem. <i>Neuroscience</i> , 2016, 327, 10-19.	2.3	3
27	Interhemispheric dominance switching in a neural network model for birdsong. <i>Journal of Neurophysiology</i> , 2018, 120, 1186-1197.	1.8	3
28	Network dynamics underlie learning and performance of birdsong. <i>Current Opinion in Neurobiology</i> , 2020, 64, 119-126.	4.2	3
29	Neural Networks in Health and Disease. , 2021, , 178-186.		0