

Lorna W Role

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/407316/lorna-w-role-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

11,335
citations

46
h-index

99
g-index

99
ext. papers

12,192
ext. citations

10.8
avg, IF

6.02
L-index

#	Paper	IF	Citations
93	Acetylcholine is released in the basolateral amygdala in response to predictors of reward and enhances the learning of cue-reward contingency. <i>ELife</i> , 2020 , 9,	8.9	18
92	Deletion from Cholinergic Neurons Selectively Impairs Recognition Memory and Disrupts Cholinergic Modulation of the Perirhinal Cortex. <i>ENeuro</i> , 2019 , 6,	3.9	7
91	A genetically encoded fluorescent acetylcholine indicator for in vitro and in vivo studies. <i>Nature Biotechnology</i> , 2018 , 36, 726-737	44.5	181
90	Specific Basal Forebrain-Cortical Cholinergic Circuits Coordinate Cognitive Operations. <i>Journal of Neuroscience</i> , 2018 , 38, 9446-9458	6.6	63
89	Electrophysiological properties of basal forebrain cholinergic neurons identified by genetic and optogenetic tagging. <i>Journal of Neurochemistry</i> , 2017 , 142 Suppl 2, 103-110	6	8
88	Axonal Type III Nrg1 Controls Glutamate Synapse Formation and GluA2 Trafficking in Hippocampal-Accumbens Connections. <i>ENeuro</i> , 2017 , 4,	3.9	6
87	Basal Forebrain Cholinergic Circuits and Signaling in Cognition and Cognitive Decline. <i>Neuron</i> , 2016 , 91, 1199-1218	13.9	304
86	Cholinergic Signaling Controls Conditioned Fear Behaviors and Enhances Plasticity of Cortical-Amygdala Circuits. <i>Neuron</i> , 2016 , 90, 1057-70	13.9	89
85	Live Imaging of Nicotine Induced Calcium Signaling and Neurotransmitter Release Along Ventral Hippocampal Axons. <i>Journal of Visualized Experiments</i> , 2015 , e52730	1.6	3
84	Increased stability of microtubules in cultured olfactory neuroepithelial cells from individuals with schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 48, 252-258	5.5	20
83	Illuminating the role of cholinergic signaling in circuits of attention and emotionally salient behaviors. <i>Frontiers in Synaptic Neuroscience</i> , 2014 , 6, 24	3.5	42
82	Optogenetic studies of nicotinic contributions to cholinergic signaling in the central nervous system. <i>Reviews in the Neurosciences</i> , 2014 , 25, 755-71	4.7	10
81	Presynaptic Nicotinic Acetylcholine Receptors and the Modulation of Circuit Excitability. <i>Receptors</i> , 2014 , 137-167		
80	Type III neuregulin 1 is required for multiple forms of excitatory synaptic plasticity of mouse cortico-amygdala circuits. <i>Journal of Neuroscience</i> , 2013 , 33, 9655-66	6.6	30
79	Overnight fasting regulates inhibitory tone to cholinergic neurons of the dorsomedial nucleus of the hypothalamus. <i>PLoS ONE</i> , 2013 , 8, e60828	3.7	13
78	Nicotine elicits prolonged calcium signaling along ventral hippocampal axons. <i>PLoS ONE</i> , 2013 , 8, e82719,	3.7	38
77	Age-related neuronal loss in the cochlea is not delayed by synaptic modulation. <i>Neurobiology of Aging</i> , 2011 , 32, 2321.e13-23	5.6	14

76	Type III Nrg1 back signaling enhances functional TRPV1 along sensory axons contributing to basal and inflammatory thermal pain sensation. <i>PLoS ONE</i> , 2011 , 6, e25108	3.7	11
75	Disrupted activity in the hippocampal-accumbens circuit of type III neuregulin 1 mutant mice. <i>Neuropsychopharmacology</i> , 2011 , 36, 488-96	8.7	22
74	Type III neuregulin 1 regulates pathfinding of sensory axons in the developing spinal cord and periphery. <i>Development (Cambridge)</i> , 2011 , 138, 4887-98	6.6	21
73	Intramembranous valine linked to schizophrenia is required for neuregulin 1 regulation of the morphological development of cortical neurons. <i>Journal of Neuroscience</i> , 2010 , 30, 9199-208	6.6	57
72	Nicotinic modulation of synaptic transmission and plasticity in cortico-limbic circuits. <i>Seminars in Cell and Developmental Biology</i> , 2009 , 20, 432-40	7.5	99
71	Presynaptic type III neuregulin1-ErbB signaling targets {alpha}7 nicotinic acetylcholine receptors to axons. <i>Journal of Cell Biology</i> , 2008 , 181, 511-21	7.3	46
70	Type III neuregulin-1 is required for normal sensorimotor gating, memory-related behaviors, and corticostriatal circuit components. <i>Journal of Neuroscience</i> , 2008 , 28, 6872-83	6.6	175
69	Presynaptic type III neuregulin 1 is required for sustained enhancement of hippocampal transmission by nicotine and for axonal targeting of alpha7 nicotinic acetylcholine receptors. <i>Journal of Neuroscience</i> , 2008 , 28, 9111-6	6.6	60
68	Facilitation of cortico-amygdala synapses by nicotine: activity-dependent modulation of glutamatergic transmission. <i>Journal of Neurophysiology</i> , 2008 , 99, 1988-99	3.2	42
67	Presynaptic type III neuregulin1-ErbB signaling targets alpha7 nicotinic acetylcholine receptors to axons. <i>Journal of General Physiology</i> , 2008 , 131, i4	3.4	7
66	Cholinergic circuits and signaling in the pathophysiology of schizophrenia. <i>International Review of Neurobiology</i> , 2007 , 78, 193-223	4.4	32
65	Tangential neuronal migration controls axon guidance: a role for neuregulin-1 in thalamocortical axon navigation. <i>Cell</i> , 2006 , 125, 127-42	56.2	303
64	Neuregulin-1 type III determines the ensheathment fate of axons. <i>Neuron</i> , 2005 , 47, 681-94	13.9	554
63	Integration of endocannabinoid and leptin signaling in an appetite-related neural circuit. <i>Neuron</i> , 2005 , 48, 1055-66	13.9	190
62	Selective deletion of the alpha5 subunit differentially affects somatic-dendritic versus axonally targeted nicotinic ACh receptors in mouse. <i>Journal of Physiology</i> , 2005 , 563, 119-37	3.9	29
61	Cholinergic modulation of appetite-related synapses in mouse lateral hypothalamic slice. <i>Journal of Neuroscience</i> , 2005 , 25, 11133-44	6.6	45
60	Requirement of nicotinic acetylcholine receptor subunit beta2 in the maintenance of spiral ganglion neurons during aging. <i>Journal of Neuroscience</i> , 2005 , 25, 3041-5	6.6	47
59	Multiple personalities of neuregulin gene family members. <i>Journal of Comparative Neurology</i> , 2004 , 472, 134-9	3.4	18

58	Axonal neuregulin-1 regulates myelin sheath thickness. <i>Science</i> , 2004 , 304, 700-3	33.3	720
57	Back signaling by the Nrg-1 intracellular domain. <i>Journal of Cell Biology</i> , 2003 , 161, 1133-41	7.3	197
56	Mapping of presynaptic nicotinic acetylcholine receptors using fluorescence imaging of neuritic calcium. <i>Journal of Neuroscience Methods</i> , 2003 , 122, 109-22	3	7
55	Cholinergic modulation of purinergic and GABAergic co-transmission at in vitro hypothalamic synapses. <i>Journal of Neurophysiology</i> , 2002 , 88, 2501-8	3.2	37
54	Nicotinic receptor-mediated effects on appetite and food intake. <i>Journal of Neurobiology</i> , 2002 , 53, 618-32		239
53	Coordinate release of ATP and GABA at in vitro synapses of lateral hypothalamic neurons. <i>Journal of Neuroscience</i> , 2002 , 22, 4794-804	6.6	122
52	Nicotine-induced enhancement of glutamatergic and GABAergic synaptic transmission in the mouse amygdala. <i>Journal of Neurophysiology</i> , 2001 , 86, 463-74	3.2	71
51	Long-lasting enhancement of glutamatergic synaptic transmission by acetylcholine contrasts with response adaptation after exposure to low-level nicotine. <i>Journal of Neuroscience</i> , 2001 , 21, 5182-90	6.6	51
50	Differential modulation of nicotinic acetylcholine receptor subtypes and synaptic transmission in chick sympathetic ganglia by PGE(2). <i>Journal of Neurophysiology</i> , 2001 , 85, 2498-508	3.2	18
49	Cysteine-rich domain isoforms of the neuregulin-1 gene are required for maintenance of peripheral synapses. <i>Neuron</i> , 2000 , 25, 79-91	13.9	249
48	Facilitation of glutamatergic neurotransmission by presynaptic nicotinic acetylcholine receptors. <i>Neuropharmacology</i> , 2000 , 39, 2715-25	5.5	106
47	Multiorgan autonomic dysfunction in mice lacking the beta2 and the beta4 subunits of neuronal nicotinic acetylcholine receptors. <i>Journal of Neuroscience</i> , 1999 , 19, 9298-305	6.6	239
46	Megacystis, mydriasis, and ion channel defect in mice lacking the alpha3 neuronal nicotinic acetylcholine receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 5746-51	11.5	239
45	Heteromeric complexes of alpha 5 and/or alpha 7 subunits. Effects of calcium and potential role in nicotine-induced presynaptic facilitation. <i>Annals of the New York Academy of Sciences</i> , 1999 , 868, 578-90	6.5	78
44	Target-specific control of nicotinic receptor expression at developing interneuronal synapses in chick. <i>Nature Neuroscience</i> , 1999 , 2, 528-34	25.5	26
43	lynx1, an endogenous toxin-like modulator of nicotinic acetylcholine receptors in the mammalian CNS. <i>Neuron</i> , 1999 , 23, 105-14	13.9	247
42	Presynaptic ionotropic receptors and the control of transmitter release. <i>Annual Review of Neuroscience</i> , 1999 , 22, 443-85	17	490
41	Functional contribution of the alpha7 subunit to multiple subtypes of nicotinic receptors in embryonic chick sympathetic neurones. <i>Journal of Physiology</i> , 1998 , 509 (Pt 3), 651-65	3.9	132

40	Functional contribution of the alpha5 subunit to neuronal nicotinic channels expressed by chick sympathetic ganglion neurones. <i>Journal of Physiology</i> , 1998 , 509 (Pt 3), 667-81	3.9	76
39	A cysteine-rich isoform of neuregulin controls the level of expression of neuronal nicotinic receptor channels during synaptogenesis. <i>Neuron</i> , 1998 , 20, 255-70	13.9	130
38	Neuronal nicotinic acetylcholine receptor modulation by general anesthetics. <i>Toxicology Letters</i> , 1998 , 100-101, 149-53	4.4	29
37	Modulation of nicotinic AChR channels by prostaglandin E2 in chick sympathetic ganglion neurons. <i>Journal of Neurophysiology</i> , 1998 , 79, 870-8	3.2	19
36	Alpha 4 beta 2 neuronal nicotinic acetylcholine receptors in the central nervous system are inhibited by isoflurane and propofol, but alpha 7-type nicotinic acetylcholine receptors are unaffected. <i>Anesthesiology</i> , 1997 , 86, 859-65	4.3	209
35	Presynaptic ionotropic receptors. <i>Current Opinion in Neurobiology</i> , 1996 , 6, 342-9	7.6	127
34	Nicotinic receptors in the development and modulation of CNS synapses. <i>Neuron</i> , 1996 , 16, 1077-85	13.9	689
33	Functional contributions of alpha5 subunit to neuronal acetylcholine receptor channels. <i>Nature</i> , 1996 , 380, 347-51	50.4	343
32	Physiological diversity of nicotinic acetylcholine receptors expressed by vertebrate neurons. <i>Annual Review of Physiology</i> , 1995 , 57, 521-46	23.1	886
31	Nicotine enhancement of fast excitatory synaptic transmission in CNS by presynaptic receptors. <i>Science</i> , 1995 , 269, 1692-6	33.3	915
30	Substance P potentiates calcium channel modulation by somatostatin in chick sympathetic ganglia. <i>Journal of Neurophysiology</i> , 1994 , 72, 2683-90	3.2	8
29	Diversity in functional properties and primary structure of neuronal nicotinic receptor channels. <i>Kidney and Blood Pressure Research</i> , 1994 , 17, 172-7	3.1	
28	Developmental regulation of multiple nicotinic AChR channel subtypes in embryonic chick habenula neurons: contributions of both the alpha 2 and alpha 4 subunit genes. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 429, 27-43	4.6	31
27	Regulation of nAChR subunit gene expression relative to the development of pre- and postsynaptic projections of embryonic chick sympathetic neurons. <i>Developmental Biology</i> , 1994 , 162, 56-70	3.1	36
26	Peptide modulation of ACh receptor desensitization controls neurotransmitter release from chicken sympathetic neurons. <i>Journal of Neurophysiology</i> , 1993 , 69, 928-42	3.2	43
25	Protein kinase C blocks somatostatin-induced modulation of calcium current in chick sympathetic neurons. <i>Journal of Neurophysiology</i> , 1993 , 70, 1639-43	3.2	25
24	Enhanced ACh sensitivity is accompanied by changes in ACh receptor channel properties and segregation of ACh receptor subtypes on sympathetic neurons during innervation in vivo. <i>Journal of Neuroscience</i> , 1993 , 13, 13-28	6.6	44
23	Uptake of antisense oligonucleotides and functional block of acetylcholine receptor subunit gene expression in primary embryonic neurons. <i>Genesis</i> , 1993 , 14, 296-304		25

22	Activation of phosphoinositide turnover and protein kinase C by neurotransmitters that modulate calcium channels in embryonic chick sensory neurons. <i>International Journal of Developmental Neuroscience</i> , 1992 , 10, 421-33	2.7	5
21	Diversity in primary structure and function of neuronal nicotinic acetylcholine receptor channels. <i>Current Opinion in Neurobiology</i> , 1992 , 2, 254-62	7.6	169
20	Functional contribution of neuronal AChR subunits revealed by antisense oligonucleotides. <i>Science</i> , 1991 , 254, 1518-21	33.3	149
19	Developmental changes in transmitter sensitivity and synaptic transmission in embryonic chicken sympathetic neurons innervated in vitro. <i>Developmental Biology</i> , 1991 , 147, 83-95	3.1	33
18	Development of synaptic transmission at autonomic synapses in vitro revealed by cytochrome oxidase histochemistry. <i>Journal of Neurobiology</i> , 1990 , 21, 578-91		16
17	Substance P modulates single-channel properties of neuronal nicotinic acetylcholine receptors. <i>Neuron</i> , 1990 , 4, 393-403	13.9	55
16	Functional properties and developmental regulation of nicotinic acetylcholine receptors on embryonic chicken sympathetic neurons. <i>Neuron</i> , 1989 , 3, 597-607	13.9	60
15	Neural regulation of acetylcholine sensitivity in embryonic sympathetic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 2825-9	11.5	31
14	Changes in the number of chick ciliary ganglion neuron processes with time in cell culture. <i>Journal of Cell Biology</i> , 1987 , 104, 363-70	7.3	28
13	Developmental regulation of nicotinic acetylcholine receptors. <i>Annual Review of Neuroscience</i> , 1987 , 10, 403-57	17	326
12	Activators of protein kinase C enhance acetylcholine receptor desensitization in sympathetic ganglion neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 7739-43	11.5	89
11	The distribution of acetylcholine receptor clusters and sites of transmitter release along chick ciliary ganglion neurite-myotube contacts in culture. <i>Journal of Cell Biology</i> , 1987 , 104, 371-9	7.3	28
10	On the mechanism of acetylcholine receptor accumulation at newly formed synapses on chick myotubes. <i>Journal of Neuroscience</i> , 1985 , 5, 2197-204	6.6	96
9	Substance P modulation of acetylcholine-induced currents in embryonic chicken sympathetic and ciliary ganglion neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 2924-8	11.5	61
8	Both nicotinic and muscarinic receptors mediate catecholamine secretion by isolated guinea-pig chromaffin cells. <i>Neuroscience</i> , 1983 , 10, 979-85	3.9	60
7	Catecholamine uptake into isolated adrenal chromaffin cells: inhibition of uptake by acetylcholine. <i>Neuroscience</i> , 1983 , 10, 987-96	3.9	34
6	Acetylcholine release from growth cones detected with patches of acetylcholine receptor-rich membranes. <i>Nature</i> , 1983 , 305, 632-4	50.4	349
5	Somatostatin and substance P inhibit catecholamine secretion from isolated cells of guinea-pig adrenal medulla. <i>Neuroscience</i> , 1981 , 6, 1813-21	3.9	102

4	Purification of adrenal medullary chromaffin cells by density gradient centrifugation. <i>Journal of Neuroscience Methods</i> , 1980 , 2, 253-65	3	49
3	Mechanisms of ionophore-induced catecholamine secretion. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1980 , 213, 241-6	4-7	29
2	Regional variations in calculated diastolic wall stress in rat left ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1978 , 235, H247-50	5-2	3
1	Basal forebrain cholinergic neurons are part of the threat memory engram		1