

Richard E Zigmund

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4937077/publications.pdf>

Version: 2024-02-01

47
papers

3,005
citations

186254

28
h-index

233409

45
g-index

47
all docs

47
docs citations

47
times ranked

2731
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of NMDA Receptor- Dependent Calcium Influx and Gene Expression Through EphB Receptors. <i>Science</i> , 2002, 295, 491-495.	12.6	466
2	Macrophage biology in the peripheral nervous system after injury. <i>Progress in Neurobiology</i> , 2019, 173, 102-121.	5.7	214
3	A Critical Role for Macrophages Near Axotomized Neuronal Cell Bodies in Stimulating Nerve Regeneration. <i>Journal of Neuroscience</i> , 2013, 33, 16236-16248.	3.6	157
4	Nerve Growth Factor Antiserum Induces Axotomy-Like Changes in Neuropeptide Expression in Intact Sympathetic and Sensory Neurons. <i>Journal of Neuroscience</i> , 2001, 21, 363-371.	3.6	148
5	The neuroimmunology of degeneration and regeneration in the peripheral nervous system. <i>Neuroscience</i> , 2015, 302, 174-203.	2.3	133
6	Neutrophils Are Critical for Myelin Removal in a Peripheral Nerve Injury Model of Wallerian Degeneration. <i>Journal of Neuroscience</i> , 2017, 37, 10258-10277.	3.6	122
7	Regulation of vasoactive intestinal peptide expression in sympathetic neurons in culture and after axotomy: The role of cholinergic differentiation factor/leukemia inhibitory factor. <i>Journal of Neurobiology</i> , 1994, 25, 415-430.	3.6	116
8	Novel changes in gene expression following axotomy of a sympathetic ganglion: A microarray analysis. <i>Journal of Neurobiology</i> , 2004, 59, 216-235.	3.6	104
9	Characterization of neuronal nicotinic receptors by snake venom neurotoxins. <i>Trends in Neurosciences</i> , 1988, 11, 73-78.	8.6	96
10	Regional distribution of tyrosine hydroxylase, norepinephrine and dopamine within the amygdaloid complex of the rat. <i>Brain Research</i> , 1975, 87, 96-101.	2.2	92
11	Galanin and vasoactive intestinal peptide messenger RNAs increase following axotomy of adult sympathetic neurons. <i>Journal of Neurobiology</i> , 1994, 25, 108-118.	3.6	85
12	Neuronal bungarotoxin blocks the nicotinic stimulation of endogenous dopamine release from rat striatum. <i>Neuroscience Letters</i> , 1989, 98, 310-316.	2.1	81
13	Pattern of presynaptic nerve activity can determine the type of neurotransmitter regulating a postsynaptic event. <i>Nature</i> , 1984, 311, 472-474.	27.8	80
14	Overexpression of the monocyte chemokine CCL2 in dorsal root ganglion neurons causes a conditioning-like increase in neurite outgrowth and does so via a STAT3 dependent mechanism. <i>Experimental Neurology</i> , 2016, 275, 25-37.	4.1	76
15	Nerve Growth Factor Regulates Transient Receptor Potential Vanilloid 2 via Extracellular Signal-Regulated Kinase Signaling To Enhance Neurite Outgrowth in Developing Neurons. <i>Molecular and Cellular Biology</i> , 2015, 35, 4238-4252.	2.3	73
16	Localization of vasoactive intestinal peptide- and peptide histidine isoleucine amide-like immunoreactivities in the rat superior cervical ganglion and its nerve trunks. <i>Journal of Comparative Neurology</i> , 1989, 280, 522-532.	1.6	69
17	Functional Nicotinic Acetylcholine Receptors That Mediate Ganglionic Transmission in Cardiac Parasympathetic Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 5076-5082.	3.6	67
18	Biochemical consequences of synaptic stimulation:. <i>Trends in Neurosciences</i> , 1985, 8, 63-69.	8.6	66

#	ARTICLE	IF	CITATIONS
19	gp130 cytokines are positive signals triggering changes in gene expression and axon outgrowth in peripheral neurons following injury. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 62.	2.9	65
20	Long-term effects of preganglionic nerve stimulation on tyrosine hydroxylase activity in the rat superior cervical ganglion. <i>Brain Research</i> , 1979, 164, 137-152.	2.2	59
21	Monocyte chemoattractant protein (MCP)-1 is rapidly expressed by sympathetic ganglion neurons following axonal injury. <i>NeuroReport</i> , 2001, 12, 601-606.	1.2	59
22	Amino acid sequence of toxin F, a snake venom toxin that blocks neuronal nicotinic receptors. <i>Brain Research</i> , 1986, 385, 30-37.	2.2	54
23	Molecular and cellular identification of the immune response in peripheral ganglia following nerve injury. <i>Journal of Neuroinflammation</i> , 2018, 15, 192.	7.2	50
24	Differential regulation of levels of nicotinic receptor subunit transcripts in adult sympathetic neurons after axotomy. , 1998, 34, 164-178.		46
25	â– REVIEW : LIF, NGF, and the Cell Body Response to Axotomy. <i>Neuroscientist</i> , 1997, 3, 176-185.	3.5	33
26	The dependence on gp130 cytokines of axotomy induced neuropeptide expression in adult sympathetic neurons. <i>Developmental Neurobiology</i> , 2009, 69, 392-400.	3.0	33
27	Electrical stimulation of the cervical sympathetic trunks mimics the effects of darkness on the activity of serotonin:N-acetyltransferase in the rat pineal. <i>Brain Research</i> , 1980, 185, 435-440.	2.2	30
28	Vasoactive Intestinal Peptide Enhances Its Own Expression in Sympathetic Neurons after Injury. <i>Journal of Neuroscience</i> , 1998, 18, 5285-5293.	3.6	30
29	Role of N- and L-type calcium channels in depolarization-induced activation of tyrosine hydroxylase and release of norepinephrine by sympathetic cell bodies and nerve terminals. , 1999, 40, 137-148.		29
30	?-Conotoxin Inhibits the Acute Activation of Tyrosine Hydroxylase and the Stimulation of Norepinephrine Release by Potassium Depolarization of Sympathetic Nerve Endings. <i>Journal of Neurochemistry</i> , 1991, 56, 615-622.	3.9	28
31	Nicotinic acetylcholine receptor subunit proteins ?7 and ?4 decrease in the superior cervical ganglion after axotomy. <i>Journal of Neurobiology</i> , 2001, 46, 178-192.	3.6	27
32	Cytokines that promote nerve regeneration. <i>Experimental Neurology</i> , 2012, 238, 101-106.	4.1	25
33	The Levels of Leukemia Inhibitory Factor mRNA in a Schwann Cell Line Are Regulated by Multiple Second Messenger Pathways. <i>Journal of Neurochemistry</i> , 2008, 72, 1871-1881.	3.9	24
34	Cytokines inhibit norepinephrine transporter expression by decreasing Hand2. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 671-680.	2.2	24
35	Decline in Response to Nicotine in Aged Rat Striatum: Correlation with a Decrease in a Subpopulation of Nicotinic Receptors. <i>Journal of Neurochemistry</i> , 1993, 61, 2225-2232.	3.9	22
36	Can galanin also be considered as growth-associated protein 3.2?. <i>Trends in Neurosciences</i> , 2001, 24, 494-496.	8.6	20

#	ARTICLE	IF	CITATIONS
37	TrkB Isoforms with Distinct Neurotrophin Specificities Are Expressed in Predominantly Nonoverlapping Populations of Avian Dorsal Root Ganglion Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 4739-4747.	3.6	18
38	Galanin plays a role in the conditioning lesion effect in sensory neurons. <i>NeuroReport</i> , 2007, 18, 1729-1733.	1.2	14
39	Injury-induced gp130 cytokine signaling in peripheral ganglia is reduced in diabetes mellitus. <i>Experimental Neurology</i> , 2017, 296, 1-15.	4.1	13
40	Activating transcription factor 3 immunoreactivity identifies small populations of axotomized neurons in rat cervical sympathetic ganglia after transection of the preganglionic cervical sympathetic trunk. <i>Brain Research</i> , 2007, 1159, 119-123.	2.2	12
41	A comparison of the changes in the non-neuronal cell populations of the superior cervical ganglia following decentralization and axotomy. <i>Journal of Neurobiology</i> , 2002, 53, 68-79.	3.6	10
42	The Conditioning Lesion Response in Dorsal Root Ganglion Neurons Is Inhibited in Oncomodulin Knock-Out Mice. <i>ENeuro</i> , 2022, 9, ENEURO.0477-21.2022.	1.9	9
43	The primary macrophage chemokine, CCL2, is not necessary after a peripheral nerve injury for macrophage recruitment and activation or for conditioning lesion enhanced peripheral regeneration. <i>Journal of Neuroinflammation</i> , 2022, 19, .	7.2	9
44	Limited Recovery of Pineal Function after Regeneration of Preganglionic Sympathetic Axons: Evidence for Loss of Ganglionic Synaptic Specificity. <i>Journal of Neuroscience</i> , 2013, 33, 4867-4874.	3.6	8
45	Detection of Neutrophils in the Sciatic Nerve Following Peripheral Nerve Injury. <i>Methods in Molecular Biology</i> , 2020, 2143, 207-222.	0.9	4
46	Axotomy changes peptide expression. <i>Trends in Neurosciences</i> , 1994, 17, 297-298.	8.6	3
47	Heat shock protein that facilitates myelination of regenerating axons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2103-2105.	7.1	2