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List of Publications by Year
in descending order

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63 papers	1,469 citations	257101 24 h-index	344852 36 g-index
63 all docs	63 docs citations	63 times ranked	896 citing authors

#	Article	IF	Citations
1	Modulation of ACh release by presynaptic muscarinic autoreceptors in the neuromuscular junction of the newborn and adult rat. European Journal of Neuroscience, 2003, 17, 119-127.	1.2	74
2	Muscarinic autoreceptors modulate transmitter release through protein kinase C and protein kinase A in the rat motor nerve terminal. European Journal of Neuroscience, 2006, 23, 2048-2056.	1.2	73
3	Neuromuscular Damage and Repair after Dry Needling in Mice. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-10.	0.5	66
4	Muscle Contraction Regulates BDNF/TrkB Signaling to Modulate Synaptic Function through Presynaptic cPKCÎ± and cPKCÎ²I. Frontiers in Molecular Neuroscience, 2017, 10, 147.	1.4	62
5	Pertussis toxin-sensitive G-protein and protein kinase C activity are involved in normal synapse elimination in the neonatal rat muscle. Journal of Neuroscience Research, 2001, 63, 330-340.	1.3	53
6	Calcium channels coupled to neurotransmitter release at dually innervated neuromuscular junctions in the newborn rat. Neuroscience, 2001, 102, 697-708.	1.1	51
7	The Interaction between Tropomyosin-Related Kinase B Receptors and Presynaptic Muscarinic Receptors Modulates Transmitter Release in Adult Rodent Motor Nerve Terminals. Journal of Neuroscience, 2010, 30, 16514-16522.	1.7	51
8	Pre- and postsynaptic maturation of the neuromuscular junction during neonatal synapse elimination depends on protein kinase C. Journal of Neuroscience Research, 2002, 67, 607-617.	1.3	50
9	Multiple types of calcium channels mediate transmitter release during functional recovery of botulinum toxin type A-poisoned mouse motor nerve terminals. Neuroscience, 1999, 95, 227-234.	1.1	49
10	IgM monoclonal antibody against terminal moiety of GM2, GalNAc-GD1a and GalNAc-GM1b from a pure motor chronic demyelinating polyneuropathy patient: effects on neurotransmitter release. Journal of Neuroimmunology, 2001, 119, 114-123.	1.1	47
11	Localization of brainâ€derived neurotrophic factor, neurotrophinâ€4, tropomyosinâ€related kinase b receptor, and p75^{NTR} receptor by highâ€resolution immunohistochemistry on the adult mouse neuromuscular junction. Journal of the Peripheral Nervous System, 2010, 15, 40-49.	1.4	45
12	Muscarinic autoreceptors related with calcium channels in the strong and weak inputs at polyinnervated developing rat neuromuscular junctions. Neuroscience, 2004, 123, 61-73.	1.1	42
13	Presynaptic membrane receptors in acetylcholine release modulation in the neuromuscular synapse. Journal of Neuroscience Research, 2014, 92, 543-554.	1.3	41
14	Coupling of presynaptic muscarinic autoreceptors to serine kinases in low and high release conditions on the rat motor nerve terminal. Neuroscience, 2007, 148, 432-440.	1.1	37
15	Presynaptic muscarinic acetylcholine autoreceptors (M1, M2 and M4 subtypes), adenosine receptors (A1 and A2A) and tropomyosin-related kinase B receptor (TrkB) modulate the developmental synapse elimination process at the neuromuscular junction. Molecular Brain, 2016, 9, 67.	1.3	36
16	Calcium inflow-dependent protein kinase C activity is involved in the modulation of transmitter release in the neuromuscular junction of the adult rat. Synapse, 2005, 57, 76-84.	0.6	35
17	Adenosine A₁ and A_{2A} receptorâ€mediated modulation of acetylcholine release in the mice neuromuscular junction. European Journal of Neuroscience, 2013, 38, 2229-2241.	1.2	33
18	Changes in the neuromuscular synapse induced by an antibody against gangliosides. Annals of Neurology, 2005, 57, 396-407.	2.8	32

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19	Involvement of brainâ€derived neurotrophic factor (BDNF) in the functional elimination of synaptic contacts at polyinnervated neuromuscular synapses during development. Journal of Neuroscience Research, 2010, 88, 1406-1419.	1.3	32
20	Plastic-embedded semithin cross-sections as a tool for high-resolution immunofluorescence analysis of the neuromuscular junction molecules: Specific cellular location of protease-activated receptor-1. Journal of Neuroscience Research, 2007, 85, 748-756.	1.3	30
21	Synaptic activityâ€related classical protein kinase C isoform localization in the adult rat neuromuscular synapse. Journal of Comparative Neurology, 2010, 518, 211-228.	0.9	30
22	Adenosine receptors and muscarinic receptors cooperate in acetylcholine release modulation in the neuromuscular synapse. European Journal of Neuroscience, 2015, 42, 1775-1787.	1.2	28
23	Presynaptic muscarinic receptors, calcium channels, and protein kinase C modulate the functional disconnection of weak inputs at polyinnervated neonatal neuromuscular synapses. Journal of Neuroscience Research, 2009, 87, 1195-1206.	1.3	27
24	The novel protein kinase C epsilon isoform at the adult neuromuscular synapse: location, regulation by synaptic activity-dependent muscle contraction through TrkB signaling and coupling to ACh release. Molecular Brain, 2015, 8, 8.	1.3	27
25	Experimental myofascial trigger point creation in rodents. Journal of Applied Physiology, 2019, 126, 160-169.	1.2	27
26	Decreased calcium influx into the neonatal rat motor nerve terminals can recruit additional neuromuscular junctions during the synapse elimination period. Neuroscience, 2002, 110, 147-154.	1.1	26
27	Protein kinase <scp>C</scp> isoforms at the neuromuscular junction: localization and specific roles in neurotransmission and development. Journal of Anatomy, 2014, 224, 61-73.	0.9	24
28	Role and expression of thrombin receptor PAR-1 in muscle cells and neuromuscular junctions during the synapse elimination period in the neonatal rat. Journal of Neuroscience Research, 2003, 73, 10-21.	1.3	23
29	Presynaptic Membrane Receptors Modulate ACh Release, Axonal Competition and Synapse Elimination during Neuromuscular Junction Development. Frontiers in Molecular Neuroscience, 2017, 10, 132.	1.4	23
30	The novel protein kinase C epsilon isoform modulates acetylcholine release in the rat neuromuscular junction. Molecular Brain, 2015, 8, 80.	1.3	22
31	Decreased phosphorylation of delta and epsilon subunits of the acetylcholine receptor coincides with delayed postsynaptic maturation in PKC theta deficient mouse. Experimental Neurology, 2010, 225, 183-195.	2.0	20
32	The interaction between tropomyosin-related kinase B receptors and serine kinases modulates acetylcholine release in adult neuromuscular junctions. Neuroscience Letters, 2014, 561, 171-175.	1.0	20
33	Blocking p75^{NTR} receptors alters polyinnervationz of neuromuscular synapses during development. Journal of Neuroscience Research, 2011, 89, 1331-1341.	1.3	18
34	Protein kinase C activity affects neurotransmitter release at polyinnervated neuromuscular synapses. Journal of Neuroscience Research, 2007, 85, 1449-1457.	1.3	16
35	Silent synapses in neuromuscular junction development. Journal of Neuroscience Research, 2011, 89, 3-12.	1.3	15
36	Adenosine A2B and A3 receptor location at the mouse neuromuscular junction. Journal of Anatomy, 2014, 225, 109-117.	0.9	15

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37	Adenosine Receptors in Developing and Adult Mouse Neuromuscular Junctions and Functional Links With Other Metabotropic Receptor Pathways. Frontiers in Pharmacology, 2018, 9, 397.	1.6	15
38	Motor nerve terminal morphologic plasticity induced by small changes in the locomotor activity of the adult rat. Neuroscience Letters, 1989, 106, 137-140.	1.0	14
39	Pattern of arborization of the motor nerve terminals in the fast and slow mammalian muscles. Biology of the Cell, 1992, 74, 299-305.	0.7	14
40	Neurotrophin-4 couples to locally modulated ACh release at the end of neuromuscular synapse maturation. Neuroscience Letters, 2010, 468, 72-74.	1.0	12
41	Involvement of neurotrophin-3 (NT-3) in the functional elimination of synaptic contacts during neuromuscular development. Neuroscience Letters, 2010, 473, 141-145.	1.0	12
42	The glial cell line-derived neurotrophic factor (GDNF) does not acutely change acetylcholine release in developing and adult neuromuscular junction. Neuroscience Letters, 2010, 480, 127-131.	1.0	10
43	Physiological activity-dependent ultrastructural plasticity in normal adult rat neuromuscular junctions. Biology of the Cell, 1997, 89, 19-28.	0.7	8
44	Acupuncture Points and Perforating Cutaneous Vessels Identified Using Infrared Thermography: A Cross-Sectional Pilot Study. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-9.	0.5	8
45	Activity-dependent plastic changes in the motor nerve terminals of the adult rat. Biology of the Cell, 1993, 79, 133-137.	0.7	7
46	Transmitter release in the neuromuscular synapse of the protein kinase C thetaâ€deficient adult mouse. Journal of Comparative Neurology, 2011, 519, 849-855.	0.9	7
47	Percutaneous Application of Galvanic Current in Rodents Reverses Signs of Myofascial Trigger Points. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-9.	0.5	7
48	Epigenetic Changes Governing Scn5a Expression in Denervated Skeletal Muscle. International Journal of Molecular Sciences, 2021, 22, 2755.	1.8	7
49	Short-Term Effects of Î²-Amyloid25-35Peptide Aggregates on Transmitter Release in Neuromuscular Synapses. Journal of Neuropathology and Experimental Neurology, 2008, 67, 250-259.	0.9	6
50	Exogenous ciliary neurotrophic factor (CNTF) reduces synaptic depression during repetitive stimulation. Journal of the Peripheral Nervous System, 2012, 17, 312-323.	1.4	5
51	Localization of neuronal calcium sensor-1 at the adult and developing rat neuromuscular junction. Journal of Neuroscience Research, 2005, 82, 1-9.	1.3	4
52	Anti-GM2 gangliosides IgM paraprotein induces neuromuscular block without neuromuscular damage. Journal of Neuroimmunology, 2008, 204, 20-28.	1.1	4
53	Cellular localization of the atypical isoforms of protein kinase C (aPKCÎ¶/PKMÎ¶ and aPKCÎ»/Î¹) on the neuromuscular synapse. Neuroscience Letters, 2013, 556, 166-169.	1.0	4
54	Percutaneous Needle Electrolysis Reverses Neurographic Signs of Nerve Entrapment by Induced Fibrosis in Mice. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-7.	0.5	4

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55	Effect of anti-GM2 antibodies on rat sciatic nerve: Electrophysiological and morphological study. Journal of Neuroimmunology, 2009, 208, 61-69.	1.1	3
56	Effects of a Fat-Rich Diet on the Spontaneous Release of Acetylcholine in the Neuromuscular Junction of Mice. Nutrients, 2020, 12, 3216.	1.7	3
57	Acupuncture and electroacupuncture in the treatment of carpal tunnel syndrome: Systematic review. Revista Fisioterapia Invasiva / Journal of Invasive Techniques in Physical Therapy, 2020, 03, 013-025.	0.1	3
58	Safety analysis of percutaneous needle electrolysis: a study of needle composition, morphology, and electrical resistance. Acupuncture in Medicine, 2021, 39, 471-477.	0.4	3
59	Dry Needling Produces Mild Injuries Irrespective to Muscle Stiffness and Tension in Ex Vivo Mice Muscles. Pain Research and Management, 2022, 2022, 1-10.	0.7	3
60	Size-related differences in the branching pattern of the motor nerve terminals in triangularis sterni muscle of the mouse. Biology of the Cell, 1989, 65, 271-280.	0.7	2
61	rMSIKeyIon: An Ion Filtering R Package for Untargeted Analysis of Metabolomic LDI-MS Images. Metabolites, 2019, 9, 162.	1.3	2
62	Changes in pH as a result of galvanic currents used in percutaneous needle electrolysis. Revista Fisioterapia Invasiva / Journal of Invasive Techniques in Physical Therapy, 2020, 03, 006-006.	0.1	2
63	Histology in neuroscience. Journal of Molecular Histology, 2008, 39, 251-252.	1.0	0