

Marco Pirazzini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9157373/publications.pdf>

Version: 2024-02-01

49
papers

2,415
citations

236833

25
h-index

214721

47
g-index

52
all docs

52
docs citations

52
times ranked

1860
citing authors

#	ARTICLE	IF	CITATIONS
1	Botulinum Neurotoxins: Biology, Pharmacology, and Toxicology. <i>Pharmacological Reviews</i> , 2017, 69, 200-235.	7.1	506
2	Botulinum neurotoxins: genetic, structural and mechanistic insights. <i>Nature Reviews Microbiology</i> , 2014, 12, 535-549.	13.6	461
3	Historical Perspectives and Guidelines for Botulinum Neurotoxin Subtype Nomenclature. <i>Toxins</i> , 2017, 9, 38.	1.5	232
4	Thioredoxin and Its Reductase Are Present on Synaptic Vesicles, and Their Inhibition Prevents the Paralysis Induced by Botulinum Neurotoxins. <i>Cell Reports</i> , 2014, 8, 1870-1878.	2.9	90
5	On the translocation of botulinum and tetanus neurotoxins across the membrane of acidic intracellular compartments. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 467-474.	1.4	82
6	Botulinum Neurotoxin Type A is Internalized and Translocated from Small Synaptic Vesicles at the Neuromuscular Junction. <i>Molecular Neurobiology</i> , 2013, 48, 120-127.	1.9	65
7	Double anchorage to the membrane and intact inter-chain disulfide bond are required for the low pH induced entry of tetanus and botulinum neurotoxins into neurons. <i>Cellular Microbiology</i> , 2011, 13, 1731-1743.	1.1	61
8	The thioredoxin reductase-thioredoxin system is involved in the entry of tetanus and botulinum neurotoxins in the cytosol of nerve terminals. <i>FEBS Letters</i> , 2013, 587, 150-155.	1.3	55
9	Novel Botulinum Neurotoxins: Exploring Underneath the Iceberg Tip. <i>Toxins</i> , 2018, 10, 190.	1.5	55
10	<sc>CXCL</sc>12[±]/<sc>SDF</sc>1 from perisynaptic Schwann cells promotes regeneration of injured motor axon terminals. <i>EMBO Molecular Medicine</i> , 2017, 9, 1000-1010.	3.3	48
11	Skeletal muscle mTORC1 regulates neuromuscular junction stability. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 208-225.	2.9	43
12	Challenges in searching for therapeutics against Botulinum Neurotoxins. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 497-510.	2.5	41
13	Postnatal Development and Distribution of Sympathetic Innervation in Mouse Skeletal Muscle. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1935.	1.8	40
14	Hsp90 is involved in the entry of clostridial neurotoxins into the cytosol of nerve terminals. <i>Cellular Microbiology</i> , 2017, 19, e12647.	1.1	39
15	Paper-based electrochemical peptide sensor for on-site detection of botulinum neurotoxin serotype A and C. <i>Biosensors and Bioelectronics</i> , 2021, 183, 113210.	5.3	39
16	Botulinum neurotoxin serotype D is poorly effective in humans: An in vivo electrophysiological study. <i>Clinical Neurophysiology</i> , 2013, 124, 999-1004.	0.7	37
17	Neutralisation of specific surface carboxylates speeds up translocation of botulinum neurotoxin type B enzymatic domain. <i>FEBS Letters</i> , 2013, 587, 3831-3836.	1.3	33
18	Inhibition of botulinum neurotoxins interchain disulfide bond reduction prevents the peripheral neuroparalysis of botulism. <i>Biochemical Pharmacology</i> , 2015, 98, 522-530.	2.0	33

#	ARTICLE	IF	CITATIONS
19	Re-Assembled Botulinum Neurotoxin Inhibits CNS Functions without Systemic Toxicity. <i>Toxins</i> , 2011, 3, 345-355.	1.5	31
20	Time course and temperature dependence of the membrane translocation of tetanus and botulinum neurotoxins C and D in neurons. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 38-42.	1.0	30
21	Snake and Spider Toxins Induce a Rapid Recovery of Function of Botulinum Neurotoxin Paralysed Neuromuscular Junction. <i>Toxins</i> , 2015, 7, 5322-5336.	1.5	30
22	A Novel Inhibitor Prevents the Peripheral Neuroparalysis of Botulinum Neurotoxins. <i>Scientific Reports</i> , 2015, 5, 17513.	1.6	29
23	Botulinum neurotoxin C mutants reveal different effects of syntaxin or SNAP-25 proteolysis on neuromuscular transmission. <i>PLoS Pathogens</i> , 2017, 13, e1006567.	2.1	27
24	Diphtheria toxin conformational switching at acidic pH. <i>FEBS Journal</i> , 2014, 281, 2115-2122.	2.2	26
25	The thioredoxin reductase α Thioredoxin redox system cleaves the interchain disulphide bond of botulinum neurotoxins on the cytosolic surface of synaptic vesicles. <i>Toxicon</i> , 2015, 107, 32-36.	0.8	26
26	Variability in venom composition of European viper subspecies limits the cross-effectiveness of antivenoms. <i>Scientific Reports</i> , 2018, 8, 9818.	1.6	25
27	Hsp90 and Thioredoxin-Thioredoxin Reductase enable the catalytic activity of Clostridial neurotoxins inside nerve terminals. <i>Toxicon</i> , 2018, 147, 32-37.	0.8	24
28	Toxicology and pharmacology of botulinum and tetanus neurotoxins: an update. <i>Archives of Toxicology</i> , 2022, 96, 1521-1539.	1.9	22
29	Tetanus and tetanus neurotoxin: From peripheral uptake to central nervous tissue targets. <i>Journal of Neurochemistry</i> , 2021, 158, 1244-1253.	2.1	21
30	Polyglutamine-Expanded Androgen Receptor Alteration of Skeletal Muscle Homeostasis and Myonuclear Aggregation Are Affected by Sex, Age and Muscle Metabolism. <i>Cells</i> , 2020, 9, 325.	1.8	21
31	The role of the single interchains disulfide bond in tetanus and botulinum neurotoxins and the development of antitetanus and antibotulism drugs. <i>Cellular Microbiology</i> , 2019, 21, e13037.	1.1	17
32	An Agonist of the CXCR4 Receptor Strongly Promotes Regeneration of Degenerated Motor Axon Terminals. <i>Cells</i> , 2019, 8, 1183.	1.8	16
33	Current gaps in basic science knowledge of botulinum neurotoxin biological actions. <i>Toxicon</i> , 2015, 107, 59-63.	0.8	15
34	A CXCR4 receptor agonist strongly stimulates axonal regeneration after damage. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2395-2402.	1.7	15
35	Electrophysiological Recordings of Evoked End-Plate Potential on Murine Neuro-muscular Synapse Preparations. <i>Bio-protocol</i> , 2018, 8, e2803.	0.2	10
36	Models and methods to study Schwann cells. <i>Journal of Anatomy</i> , 2022, 241, 1235-1258.	0.9	10

#	ARTICLE	IF	CITATIONS
37	High Conservation of Tetanus and Botulinum Neurotoxins Cleavage Sites on Human SNARE Proteins Suggests That These Pathogens Exerted Little or No Evolutionary Pressure on Humans. <i>Toxins</i> , 2017, 9, 404.	1.5	9
38	Ablation of S1P ₃ receptor protects mouse soleus from age-related drop in muscle mass, force, and regenerative capacity. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C54-C67.	2.1	8
39	Exceptionally potent human monoclonal antibodies are effective for prophylaxis and treatment of tetanus in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	8
40	Preparation of Cerebellum Granule Neurons from Mouse or Rat Pups and Evaluation of Clostridial Neurotoxin Activity and Their Inhibitors by Western Blot and Immunohistochemistry. <i>Bio-protocol</i> , 2018, 8, e2918.	0.2	7
41	pH-sensitive PEG-based micelles for tumor targeting. <i>Journal of Drug Targeting</i> , 2011, 19, 303-313.	2.1	6
42	Detection of VAMP Proteolysis by Tetanus and Botulinum Neurotoxin Type B In Vivo with a Cleavage-Specific Antibody. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4355.	1.8	6
43	Detection of Clostridium tetani Neurotoxins Inhibited In Vivo by Botulinum Antitoxin B: Potential for Misleading Mouse Test Results in Food Controls. <i>Toxins</i> , 2018, 10, 248.	1.5	4
44	Primary resistance of human patients to botulinum neurotoxins A and B. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 971-975.	1.7	4
45	Mouse Phrenic Nerve Hemidiaphragm Assay (MPN). <i>Bio-protocol</i> , 2018, 8, e2759.	0.2	4
46	Novel Small Molecule Inhibitors That Prevent the Neuroparalysis of Tetanus Neurotoxin. <i>Pharmaceuticals</i> , 2021, 14, 1134.	1.7	3
47	Latrotoxin-Induced Neuromuscular Junction Degeneration Reveals Urocortin 2 as a Critical Contributor to Motor Axon Terminal Regeneration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1186.	1.8	1
48	Molecular Structure and Mechanisms of Action of Botulinum Neurotoxins. , 2020, , 15-26.		0
49	Genome Sequence of the Fish Brain Bacterium Clostridium tarantellae. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	0