

Oswaldo Daniel Uchitel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6658911/publications.pdf>

Version: 2024-02-01

94
papers

3,303
citations

126858

33
h-index

161767

54
g-index

95
all docs

95
docs citations

95
times ranked

2360
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Dynamic Distribution of ASIC1a Channels and Other Proteins within Cells Detected through Fractionation. <i>Membranes</i> , 2022, 12, 389. | 1.4 | 1 |
| 2 | Ion channels and pain in Fabry disease. <i>Molecular Pain</i> , 2021, 17, 174480692110331. | 1.0 | 7 |
| 3 | Histamine and Corticosterone Modulate Acid Sensing Ion Channels (ASICs) Dependent Long-term Potentiation at the Mouse Anterior Cingulate Cortex. <i>Neuroscience</i> , 2021, 460, 145-160. | 1.1 | 9 |
| 4 | Evaluation of early microstructural changes in the R6/1 mouse model of Huntington's disease by ultra-high field diffusion MR imaging. <i>Neurobiology of Aging</i> , 2021, 102, 32-49. | 1.5 | 15 |
| 5 | Efficacy of a Nasal Spray Containing Iota-Carrageenan in the Postexposure Prophylaxis of COVID-19 in Hospital Personnel Dedicated to Patients Care with COVID-19 Disease. <i>International Journal of General Medicine</i> , 2021, Volume 14, 6277-6286. | 0.8 | 43 |
| 6 | Signaling Pathways in Proton and Non-proton ASIC1a Activation. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 735414. | 1.8 | 4 |
| 7 | Modulation of acid sensing ion channel dependent protonergic neurotransmission at the mouse calyx of Held. <i>Neuroscience</i> , 2020, 439, 195-210. | 1.1 | 14 |
| 8 | Upregulation of ASIC1a channels in an in vitro model of Fabry disease. <i>Neurochemistry International</i> , 2020, 140, 104824. | 1.9 | 8 |
| 9 | A new tool to sense pH changes at the neuromuscular junction synaptic cleft. <i>Scientific Reports</i> , 2020, 10, 20480. | 1.6 | 6 |
| 10 | Assessing neuraxial microstructural changes in a transgenic mouse model of early stage Amyotrophic Lateral Sclerosis by ultra-high field MRI and diffusion tensor metrics. <i>Animal Models and Experimental Medicine</i> , 2020, 3, 117-129. | 1.3 | 4 |
| 11 | Synaptic signals mediated by protons and acid-sensing ion channels. <i>Synapse</i> , 2019, 73, e22120. | 0.6 | 27 |
| 12 | Unveiling early cortical and subcortical neuronal degeneration in ALS mice by ultra-high field diffusion MRI. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019, 20, 549-561. | 1.1 | 25 |
| 13 | Acid-Sensing Ion Channels Activated by Evoked Released Protons Modulate Synaptic Transmission at the Mouse Calyx of Held Synapse. <i>Journal of Neuroscience</i> , 2017, 37, 2589-2599. | 1.7 | 76 |
| 14 | ASIC channel inhibition enhances excitotoxic neuronal death in an in vitro model of spinal cord injury. <i>Neuroscience</i> , 2017, 343, 398-410. | 1.1 | 24 |
| 15 | Carbonic anhydrase inhibitor acetazolamide shifts synaptic vesicle recycling to a fast mode at the mouse neuromuscular junction. <i>Synapse</i> , 2017, 71, e22009. | 0.6 | 13 |
| 16 | Acetazolamide potentiates the afferent drive to prefrontal cortex in vivo. <i>Physiological Reports</i> , 2017, 5, e13066. | 0.7 | 9 |
| 17 | Chronic pregabalin treatment decreases excitability of dentate gyrus and accelerates maturation of adult-born granule cells. <i>Journal of Neurochemistry</i> , 2017, 140, 257-267. | 2.1 | 8 |
| 18 | Acoustic trauma slows AMPA receptor-mediated EPSCs in the auditory brainstem, reducing GluA4 subunit expression as a mechanism to rescue binaural function. <i>Journal of Physiology</i> , 2016, 594, 3683-3703. | 1.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Analysis of C9orf72 in patients with frontotemporal dementia and amyotrophic lateral sclerosis from Argentina. <i>Neurobiology of Aging</i> , 2016, 40, 192.e13-192.e15. | 1.5 | 18 |
| 20 | Familial hemiplegic migraine type-1 mutated cav2.1 calcium channels alter inhibitory and excitatory synaptic transmission in the lateral superior olive of mice. <i>Hearing Research</i> , 2015, 319, 56-68. | 0.9 | 6 |
| 21 | Synaptic Gain-of-Function Effects of Mutant Ca _v 2.1 Channels in a Mouse Model of Familial Hemiplegic Migraine Are Due to Increased Basal [Ca ²⁺] _i . <i>Journal of Neuroscience</i> , 2014, 34, 7047-7058. | 1.7 | 45 |
| 22 | Calcium channels and synaptic transmission in familial hemiplegic migraine type 1 animal models. <i>Biophysical Reviews</i> , 2014, 6, 15-26. | 1.5 | 4 |
| 23 | Acid-sensing ion channels 1a (ASIC1a) inhibit neuromuscular transmission in female mice. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C396-C406. | 2.1 | 19 |
| 24 | Acute effects of pregabalin on the function and cellular distribution of CaV2.1 in HEK293t cells. <i>Brain Research Bulletin</i> , 2013, 90, 107-113. | 1.4 | 10 |
| 25 | CaV2.1 (P/Q) Voltage Activated Ca ²⁺ Channels and Synaptic Transmission in Genetic and Autoimmune Diseases. , 2013, , 263-288. | | 0 |
| 26 | Presynaptic Ca _v 2.1 calcium channels carrying familial hemiplegic migraine mutation R192Q allow faster recovery from synaptic depression in mouse calyx of Held. <i>Journal of Neurophysiology</i> , 2012, 108, 2967-2976. | 0.9 | 21 |
| 27 | Unequal gains of function are a headache for migraine mechanisms. <i>Journal of Physiology</i> , 2012, 590, 1-2. | 1.3 | 1 |
| 28 | CaV2.1 voltage activated calcium channels and synaptic transmission in familial hemiplegic migraine pathogenesis. <i>Journal of Physiology (Paris)</i> , 2012, 106, 12-22. | 2.1 | 14 |
| 29 | P/Q-type calcium channel ablation in a mice glycinergic synapse mediated by multiple types of Ca ²⁺ channels alters transmitter release and short term plasticity. <i>Neuroscience</i> , 2011, 192, 219-230. | 1.1 | 18 |
| 30 | Autoimmunity in Amyotrophic Lateral Sclerosis: Past and Present. <i>Neurology Research International</i> , 2011, 2011, 1-11. | 0.5 | 55 |
| 31 | Amyotrophic lateral sclerosis-immunoglobulins selectively interact with neuromuscular junctions expressing P/Q-type calcium channels. <i>Journal of Neurochemistry</i> , 2011, 119, 826-838. | 2.1 | 19 |
| 32 | Pregabalin Modulation of Neurotransmitter Release Is Mediated by Change in Intrinsic Activation/Inactivation Properties of Cav2.1 Calcium Channels. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 336, 973-982. | 1.3 | 28 |
| 33 | Effects of T-type calcium channel blockers on cocaine-induced hyperlocomotion and thalamocortical GABAergic abnormalities in mice. <i>Psychopharmacology</i> , 2010, 212, 205-214. | 1.5 | 25 |
| 34 | Adenosine drives recycled vesicles to a slow-release pool at the mouse neuromuscular junction. <i>European Journal of Neuroscience</i> , 2010, 32, 985-996. | 1.2 | 9 |
| 35 | Acute modulation of calcium currents and synaptic transmission by gabapentinoids. <i>Channels</i> , 2010, 4, 490-496. | 1.5 | 42 |
| 36 | Gain of Function in FHM-1 Cav2.1 Knock-In Mice Is Related to the Shape of the Action Potential. <i>Journal of Neurophysiology</i> , 2010, 104, 291-299. | 0.9 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Lateral olivocochlear (LOC) neurons of the mouse LSO receive excitatory and inhibitory synaptic inputs with slower kinetics than LSO principal neurons. <i>Hearing Research</i> , 2010, 270, 119-126. | 0.9 | 51 |
| 38 | Corrigendum to "Calcium channels, neuromuscular synaptic transmission and neurological diseases" [J. Neuroimmunol. 2011; 202, 136-144, 2008]. <i>Journal of Neuroimmunology</i> , 2009, 207, 123. | 1.1 | 0 |
| 39 | Cocaine Acute "Binge" Administration Results in Altered Thalamocortical Interactions in Mice. <i>Biological Psychiatry</i> , 2009, 66, 769-776. | 0.7 | 28 |
| 40 | Altered synaptic synchrony in motor nerve terminals lacking P/Q-type calcium channels. <i>Synapse</i> , 2008, 62, 466-471. | 0.6 | 19 |
| 41 | L-type calcium channels are involved in fast endocytosis at the mouse neuromuscular junction. <i>European Journal of Neuroscience</i> , 2008, 27, 1333-1344. | 1.2 | 41 |
| 42 | P/Q Ca ²⁺ channels are functionally coupled to exocytosis of the immediately releasable pool in mouse chromaffin cells. <i>Cell Calcium</i> , 2008, 43, 155-164. | 1.1 | 31 |
| 43 | Calcium channels, neuromuscular synaptic transmission and neurological diseases. <i>Journal of Neuroimmunology</i> , 2008, 201-202, 136-144. | 1.1 | 17 |
| 44 | Changes in synaptic transmission properties due to the expression of N-type calcium channels at the calyx of Held synapse of mice lacking P/Q-type calcium channels. <i>Journal of Physiology</i> , 2007, 584, 835-851. | 1.3 | 52 |
| 45 | Calcium Signaling Pathways Mediating Synaptic Potentiation Triggered by Amyotrophic Lateral Sclerosis IgG in Motor Nerve Terminals. <i>Journal of Neuroscience</i> , 2006, 26, 2661-2672. | 1.7 | 53 |
| 46 | Testosterone modulates Cav2.2 calcium channels' functional expression at rat levator ani neuromuscular junction. <i>Neuroscience</i> , 2005, 134, 817-826. | 1.1 | 16 |
| 47 | Differential Expression of Ca Channels and Synaptic Transmission in Normal and Ataxic Knock-Out Mice. , 2005, , 73-78. | | 0 |
| 48 | Functional Compensation of P/Q by N-Type Channels Blocks Short-Term Plasticity at the Calyx of Held Presynaptic Terminal. <i>Journal of Neuroscience</i> , 2004, 24, 10379-10383. | 1.7 | 134 |
| 49 | Muscarinic autoreceptors related with calcium channels in the strong and weak inputs at polyinnervated developing rat neuromuscular junctions. <i>Neuroscience</i> , 2004, 123, 61-73. | 1.1 | 42 |
| 50 | Differential expression of α_1 and α_2 subunits of voltage dependent Ca ²⁺ channel at the neuromuscular junction of normal and p/q Ca ²⁺ channel knockout mouse. <i>Neuroscience</i> , 2004, 123, 75-85. | 1.1 | 58 |
| 51 | Ca ²⁺ Channels and Synaptic Transmission at the Adult, Neonatal, and P/Q-Type Deficient Neuromuscular Junction. <i>Annals of the New York Academy of Sciences</i> , 2003, 998, 11-17. | 1.8 | 37 |
| 52 | Modulation of ACh release by presynaptic muscarinic autoreceptors in the neuromuscular junction of the newborn and adult rat. <i>European Journal of Neuroscience</i> , 2003, 17, 119-127. | 1.2 | 74 |
| 53 | Nifedipine-Mediated Mobilization of Intracellular Calcium Stores Increases Spontaneous Neurotransmitter Release at Neonatal Rat Motor Nerve Terminals. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 658-663. | 1.3 | 14 |
| 54 | Altered properties of quantal neurotransmitter release at endplates of mice lacking P/Q-type Ca ²⁺ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3491-3496. | 3.3 | 120 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Chapter 5 Calcium channelopathies in neuromuscular transmission. Supplements To Clinical Neurophysiology, 2002, 54, 49-52. | 2.1 | 0 |
| 56 | Calcium channels involved in neurotransmitter release at adult, neonatal and P/Q-type deficient neuromuscular junctions (Review). Molecular Membrane Biology, 2002, 19, 293-300. | 2.0 | 46 |
| 57 | 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 |
| 58 | Differential Ca ²⁺ -dependence of transmitter release mediated by P/Q- and N-type calcium channels at neonatal rat neuromuscular junctions. European Journal of Neuroscience, 2002, 15, 1874-1880. | 1.2 | 36 |
| 59 | The effect of buffered calcium diffusion on neurotransmitter release. Physica D: Nonlinear Phenomena, 2002, 168-169, 356-364. | 1.3 | 2 |
| 60 | Calcium channels coupled to neurotransmitter release at dually innervated neuromuscular junctions in the newborn rat. Neuroscience, 2001, 102, 697-708. | 1.1 | 51 |
| 61 | Coupling of L-type calcium channels to neurotransmitter release at mouse motor nerve terminals. Pflugers Archiv European Journal of Physiology, 2001, 441, 824-831. | 1.3 | 49 |
| 62 | Amyotrophic lateral sclerosis IgG-treated neuromuscular junctions develop sensitivity to L-type calcium channel blocker. , 2000, 23, 543-550. | | 31 |
| 63 | Developmental Changes in Calcium Channel Types Mediating Central Synaptic Transmission. Journal of Neuroscience, 2000, 20, 59-65. | 1.7 | 270 |
| 64 | Reduced facilitation and vesicular uptake in crustacean and mammalian neuromuscular junction by T-588, a neuroprotective compound. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14588-14593. | 3.3 | 13 |
| 65 | Calcium channels coupled to neurotransmitter release at neonatal rat neuromuscular junctions. Journal of Physiology, 1999, 514, 533-540. | 1.3 | 102 |
| 66 | L-Type calcium channels unmasked by cell-permeant Ca ²⁺ buffer at mouse motor nerve terminals. Pflugers Archiv European Journal of Physiology, 1999, 437, 523-528. | 1.3 | 34 |
| 67 | Toxins affecting calcium channels in neurons. Toxicon, 1997, 35, 1161-1191. | 0.8 | 64 |
| 68 | Effects of Ca ²⁺ channel blocker neurotoxins on transmitter release and presynaptic currents at the mouse neuromuscular junction. British Journal of Pharmacology, 1997, 121, 1531-1540. | 2.7 | 51 |
| 69 | Evaluation of antioxidants, protein, and lipid oxidation products in blood from sporadic amyotrophic lateral sclerosis patients. Neurochemical Research, 1997, 22, 535-539. | 1.6 | 80 |
| 70 | P/Q-type calcium channels activate neighboring calcium-dependent potassium channels in mouse motor nerve terminals. Pflugers Archiv European Journal of Physiology, 1997, 434, 406-412. | 1.3 | 26 |
| 71 | Calcium Channel Diversity at the Vertebrate Neuromuscular Junction. , 1997, , 37-46. | | 0 |
| 72 | Uptake of immunoglobulin G from amyotrophic lateral sclerosis patients by motor nerve terminals in mice. Journal of the Neurological Sciences, 1996, 137, 97-102. | 0.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Different calcium channels mediate transmitter release evoked by transient or sustained depolarization at mammalian sympathetic ganglia. <i>Neuroscience</i> , 1995, 64, 117-123. | 1.1 | 40 |
| 74 | Pharmacological Characterization of the Voltage-Dependent Ca^{2+} Channels Present in Synaptosomes from Rat and Chicken Central Nervous System. <i>Journal of Neurochemistry</i> , 1995, 64, 2544-2551. | 2.1 | 33 |
| 75 | Potassium channels from normal and denervated mouse skeletal muscle fibers. <i>Muscle and Nerve</i> , 1993, 16, 579-586. | 1.0 | 10 |
| 76 | Congenital myasthenic syndromes: II. Syndrome attributed to abnormal interaction of acetylcholine with its receptor. <i>Muscle and Nerve</i> , 1993, 16, 1293-1301. | 1.0 | 68 |
| 77 | Newly recognized congenital myasthenic syndrome associated with high conductance and fast closure of the acetylcholine receptor channel. <i>Annals of Neurology</i> , 1993, 34, 38-47. | 2.8 | 39 |
| 78 | Mammalian Neuromuscular Transmission Blocked by Funnel Web Toxin. <i>Annals of the New York Academy of Sciences</i> , 1993, 681, 405-407. | 1.8 | 18 |
| 79 | Congenital Myasthenic Syndrome Attributed to an Abnormal Interaction of Acetylcholine with Its Receptor. <i>Annals of the New York Academy of Sciences</i> , 1993, 681, 487-495. | 1.8 | 7 |
| 80 | Transmitter release and presynaptic Ca^{2+} currents blocked by the spider toxin δ -Aga-IVA. <i>NeuroReport</i> , 1993, 5, 333-336. | 0.6 | 114 |
| 81 | P-type voltage-dependent calcium channel mediates presynaptic calcium influx and transmitter release in mammalian synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3330-3333. | 3.3 | 369 |
| 82 | Effect of δ -conotoxin GVIA on neurotransmitter release at the mouse neuromuscular junction. <i>Brain Research</i> , 1991, 557, 336-339. | 1.1 | 51 |
| 83 | Chapter 14 Newly recognized congenital myasthenic syndromes: I. Congenital paucity of synaptic vesicles and reduced quantal release. <i>Progress in Brain Research</i> , 1990, , 125-137. | 0.9 | 36 |
| 84 | Ca-dependent slow action potentials in neuromuscular diseases. <i>Journal of Cellular Physiology</i> , 1990, 143, 590-595. | 2.0 | 0 |
| 85 | Ca^{2+} role on the effect of phorbol esters on the spontaneous quantal release of neurotransmitter at the mouse neuromuscular junction. <i>Brain Research</i> , 1990, 525, 280-284. | 1.1 | 2 |
| 86 | Neuronal control of extrajunctional acetylcholine receptor-channels induced by injury in frog skeletal muscle fibres. <i>Pflügers Archiv European Journal of Physiology</i> , 1989, 414, 113-117. | 1.3 | 1 |
| 87 | Electrical properties of normal, denervated and organ-cultured slow fibres of toad cruralis muscles. <i>Pflügers Archiv European Journal of Physiology</i> , 1989, 414, 584-588. | 1.3 | 2 |
| 88 | Ca-dependent slow action potentials in human skeletal muscle. <i>Journal of Cellular Physiology</i> , 1988, 137, 448-454. | 2.0 | 2 |
| 89 | Immunoglobulins from amyotrophic lateral sclerosis patients enhance spontaneous transmitter release from motor-nerve terminals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 7371-7374. | 3.3 | 55 |
| 90 | Electrophysiologic denervation changes of human muscle fibers in motoneuron diseases. <i>Muscle and Nerve</i> , 1986, 9, 748-755. | 1.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | On the appearance of acetylcholine receptors in denervated rat diaphragm, and its dependence on nerve stump length. <i>Brain Research</i> , 1978, 153, 539-548. | 1.1 | 25 |
| 92 | Nonacceptance of innervation by innervated neonatal rat muscle. <i>Developmental Biology</i> , 1977, 61, 166-176. | 0.9 | 10 |
| 93 | Potassium and calcium conductance in slow muscle fibres of the toad.. <i>Journal of Physiology</i> , 1976, 255, 435-448. | 1.3 | 17 |
| 94 | Reversible inhibition of potassium contractures by optical isomers of verapamil and D 600 on slow muscle fibres of the frog. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1976, 292, 21-27. | 1.4 | 27 |