

Andrea Menegon

List of Publications by Year in descending order

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41
papers

2,836
citations

257101

24
h-index

288905

40
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44
docs citations

44
times ranked

4235
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Novel Mono- and Bis-Guanyl Hydrazones as Potent and Selective ASIC1 Inhibitors Able to Reduce Brain Ischemic Insult. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8333-8353.	2.9	3
2	Membrane potential changes occurring upon acidification influence the binding of small-molecule inhibitors to ASIC1a. <i>Neuropharmacology</i> , 2019, 148, 366-376.	2.0	3
3	Intracisternal delivery of PEG-coated gold nanoparticles results in high brain penetrance and long-lasting stability. <i>Journal of Nanobiotechnology</i> , 2019, 17, 49.	4.2	18
4	Identification of Isoform 2 Acid-Sensing Ion Channel Inhibitors as Tool Compounds for Target Validation Studies in CNS. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 627-632.	1.3	2
5	Validation of a bench-top culturing and electrophysiological recording chamber for neurophysiological trials. , 2018, , .		1
6	Human iPSC-based models highlight defective glial and neuronal differentiation from neural progenitor cells in metachromatic leukodystrophy. <i>Cell Death and Disease</i> , 2018, 9, 698.	2.7	37
7	A new electro-optical approach for conductance measurement: an assay for the study of drugs acting on ligand-gated ion channels. <i>Scientific Reports</i> , 2017, 7, 44843.	1.6	10
8	Development of a bench-top device for parallel climate-controlled recordings of neuronal cultures activity with microelectrode arrays. <i>Biotechnology and Bioengineering</i> , 2016, 113, 403-413.	1.7	5
9	Rapid and efficient CRISPR/Cas9 gene inactivation in human neurons during human pluripotent stem cell differentiation and direct reprogramming. <i>Scientific Reports</i> , 2016, 6, 37540.	1.6	38
10	Fluorescence-Based Automated Screening Assay for the Study of the pH-Sensitive Channel ASIC1a. <i>Journal of Biomolecular Screening</i> , 2016, 21, 372-380.	2.6	5
11	Down-sizing of neuronal network activity and density of presynaptic terminals by pathological acidosis are efficiently prevented by Diminazene Aceturate. <i>Brain, Behavior, and Immunity</i> , 2015, 45, 263-276.	2.0	27
12	Persistent acidosis affects electrophysiological transmission and synaptic homeostasis of neuronal networks. <i>Journal of Neuroimmunology</i> , 2014, 275, 146-147.	1.1	0
13	The Influence of Neuronal Density and Maturation on Network Activity of Hippocampal Cell Cultures: A Methodological Study. <i>PLoS ONE</i> , 2013, 8, e83899.	1.1	113
14	A microfluidic platform for controlled biochemical stimulation of twin neuronal networks. <i>Biomicrofluidics</i> , 2012, 6, 024106.	1.2	37
15	A novel environmental chamber for neuronal network multisite recordings. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2553-2566.	1.7	15
16	Validation of long-term primary neuronal cultures and network activity through the integration of reversibly bonded microbioreactors and MEA substrates. <i>Biotechnology and Bioengineering</i> , 2012, 109, 166-175.	1.7	27
17	Impaired striatal GABA transmission in experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 947-956.	2.0	90
18	Direct generation of functional dopaminergic neurons from mouse and human fibroblasts. <i>Nature</i> , 2011, 476, 224-227.	13.7	941

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19	A new cross-correlation algorithm for the analysis of <i>in vitro</i> neuronal network activity aimed at pharmacological studies. <i>Journal of Neuroscience Methods</i> , 2011, 199, 321-327.	1.3	13
20	From c-Photina [®] Mouse Embryonic Stem Cells to High-Throughput Screening of Differentiated Neural Cells via an Intermediate Step Enriched in Neural Precursor Cells. <i>Journal of Biomolecular Screening</i> , 2010, 15, 1132-1143.	2.6	5
21	A Photoprotein in Mouse Embryonic Stem Cells Measures Ca ²⁺ Mobilization in Cells and in Animals. <i>PLoS ONE</i> , 2010, 5, e8882.	1.1	12
22	A Micro-Electrode Array device coupled to a laser-based system for the local stimulation of neurons by optical release of glutamate. <i>Journal of Neuroscience Methods</i> , 2008, 175, 70-78.	1.3	27
23	Identification of a developmentally regulated pathway of membrane retrieval in neuronal growth cones. <i>Journal of Cell Science</i> , 2008, 121, 3757-3769.	1.2	53
24	Phosphorylation of synapsin domain A is required for post-tetanic potentiation. <i>Journal of Cell Science</i> , 2007, 120, 3321-3321.	1.2	1
25	Phosphorylation of synapsin domain A is required for post-tetanic potentiation. <i>Journal of Cell Science</i> , 2007, 120, 3228-3237.	1.2	43
26	PhotoMEA: An opto-electronic biosensor for monitoring <i>in vitro</i> neuronal network activity. <i>BioSystems</i> , 2007, 87, 150-155.	0.9	15
27	Protein Kinase A-Mediated Synapsin I Phosphorylation Is a Central Modulator of Ca ²⁺ -Dependent Synaptic Activity. <i>Journal of Neuroscience</i> , 2006, 26, 11670-11681.	1.7	135
28	The synapsin domain E accelerates the exocytotic cycle of synaptic vesicles in cerebellar Purkinje cells. <i>Journal of Cell Science</i> , 2006, 119, 4257-4268.	1.2	36
29	Phosphorylation of Synapsin I by cAMP-Dependent Protein Kinase Controls Synaptic Vesicle Dynamics in Developing Neurons. <i>Journal of Neuroscience</i> , 2005, 25, 7299-7308.	1.7	77
30	Phosphorylation by cAMP-dependent protein kinase is essential for synapsin-induced enhancement of neurotransmitter release in invertebrate neurons. <i>Journal of Cell Science</i> , 2004, 117, 5145-5154.	1.2	53
31	Deletion of the mental retardation gene <i>Gdi1</i> impairs associative memory and alters social behavior in mice. <i>Human Molecular Genetics</i> , 2002, 11, 2567-2580.	1.4	100
32	Spatial and Temporal Regulation of Ca ²⁺ /Calmodulin-Dependent Protein Kinase II Activity in Developing Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 7016-7026.	1.7	43
33	Neurite Extension Occurs in the Absence of Regulated Exocytosis in PC12 Subclones. <i>Molecular Biology of the Cell</i> , 1999, 10, 2919-2931.	0.9	43
34	FAK+and PYK2/CAK ¹ , two related tyrosine kinases highly expressed in the central nervous system: similarities and differences in the expression pattern. <i>European Journal of Neuroscience</i> , 1999, 11, 3777-3788.	1.2	80
35	Mutations in <i>GDI1</i> are responsible for X-linked non-specific mental retardation. <i>Nature Genetics</i> , 1998, 19, 134-139.	9.4	304
36	Tat Protein from HIV-1 Activates MAP Kinase in Granular Neurons and Glial Cells from Rat Cerebellum. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 800-805.	1.0	29

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37	Downregulation of Map Kinase Activity Signalled by HIV-1-gp120 Coat Protein in Granular Neurons and Glial Cells from Rat Cerebellum. <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 683-686.	1.0	4
38	Phosphorylation-dependent Effects of Synapsin IIa on Actin Polymerization and Network Formation. <i>European Journal of Neuroscience</i> , 1997, 9, 2712-2722.	1.2	38
39	Hypertension-associated point mutations in the adducin alpha and beta subunits affect actin cytoskeleton and ion transport.. <i>Journal of Clinical Investigation</i> , 1996, 97, 2815-2822.	3.9	232
40	Focal Adhesion Kinase in Rat Central Nervous System. <i>European Journal of Neuroscience</i> , 1995, 7, 1810-1821.	1.2	81
41	HIV-1 gp120 Glycoprotein Induces [Ca ²⁺] _i Responses not only in Type-2 but also Type-1 Astrocytes and Oligodendrocytes of the Rat Cerebellum. <i>European Journal of Neuroscience</i> , 1995, 7, 1333-1341.	1.2	38