

Teja W Groemer

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,151
citations

394286

19
h-index

265120

42
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46
all docs

46
docs citations

46
times ranked

3392
citing authors

#	ARTICLE	IF	CITATIONS
1	Common network effect-patterns after monoamine reuptake inhibition in dissociated hippocampus cultures. <i>Journal of Neural Transmission</i> , 2022, 129, 261-275.	1.4	1
2	Nociception in the Glycine Receptor Deficient Mutant Mouse Spastic. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 832490.	1.4	3
3	Î±-Synuclein oligomers induce early axonal dysfunction in human iPSC-based models of synucleinopathies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7813-7818.	3.3	168
4	Functional Viability: Measurement of Synaptic Vesicle Pool Sizes. <i>Methods in Molecular Biology</i> , 2017, 1601, 195-204.	0.4	2
5	Rewiring of neuronal networks during synaptic silencing. <i>Scientific Reports</i> , 2017, 7, 11724.	1.6	8
6	Surface Trafficking of <sc>APP</sc> and <sc>BACE</sc> in Live Cells. <i>Traffic</i> , 2015, 16, 655-675.	1.3	9
7	Feasibility and Diagnostic Accuracy of Ischemic Stroke Territory Recognition Based on Two-Dimensional Projections of Three-Dimensional Diffusion MRI Data. <i>Frontiers in Neurology</i> , 2015, 6, 239.	1.1	1
8	BACE1 modulates gating of KCNQ1 (Kv7.1) and cardiac delayed rectifier KCNQ1/KCNE1 (IKs). <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 335-348.	0.9	14
9	Dynamic Properties of the Alkaline Vesicle Population at Hippocampal Synapses. <i>PLoS ONE</i> , 2014, 9, e102723.	1.1	3
10	Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. <i>Human Molecular Genetics</i> , 2014, 23, 2527-2541.	1.4	111
11	Dysfunction of spatacsin leads to axonal pathology in SPG11-linked hereditary spastic paraplegia. <i>Human Molecular Genetics</i> , 2014, 23, 4859-4874.	1.4	86
12	Statistical methods for detecting and comparing periodic data and their application to the nycthemeral rhythm of bodily harm: A population based study. <i>Journal of Circadian Rhythms</i> , 2014, 8, 10.	2.9	9
13	The Antidepressant Fluoxetine Mobilizes Vesicles to the Recycling Pool of Rat Hippocampal Synapses During High Activity. <i>Molecular Neurobiology</i> , 2014, 49, 916-930.	1.9	12
14	BasicÂpresynaptic functions in hippocampal neurons are not affected by acute or chronic lithium treatment. <i>Journal of Neural Transmission</i> , 2014, 121, 211-219.	1.4	4
15	Spot quantification in two dimensional gel electrophoresis image analysis: comparison of different approaches and presentation of a novel compound fitting algorithm. <i>BMC Bioinformatics</i> , 2014, 15, 181.	1.2	19
16	Common strength and localization of spontaneous and evoked synaptic vesicle release sites. <i>Molecular Brain</i> , 2014, 7, 23.	1.3	2
17	Risperidone inhibits voltage-gated sodium channels. <i>European Journal of Pharmacology</i> , 2014, 728, 100-106.	1.7	9
18	The pH Probe CypHerâ,â5E is Effectively Quenched by FM Dyes. <i>Journal of Fluorescence</i> , 2013, 23, 487-494.	1.3	6

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19	Acid sphingomyelinaseâ€™ceramide system mediates effects of antidepressant drugs. <i>Nature Medicine</i> , 2013, 19, 934-938.	15.2	313
20	Performance of scientific cameras with different sensor types in measuring dynamic processes in fluorescence microscopy. <i>Microscopy Research and Technique</i> , 2013, 76, 835-843.	1.2	8
21	iPad-Assisted Measurements of Duration Estimation in Psychiatric Patients and Healthy Control Subjects. <i>PLoS ONE</i> , 2013, 8, e61295.	1.1	5
22	Use-Dependent Inhibition of Synaptic Transmission by the Secretion of Intravesicularly Accumulated Antipsychotic Drugs. <i>Neuron</i> , 2012, 74, 830-844.	3.8	50
23	Aptamers as potential tools for super-resolution microscopy. <i>Nature Methods</i> , 2012, 9, 938-939.	9.0	154
24	Key Physiological Parameters Dictate Triggering of Activity-Dependent Bulk Endocytosis in Hippocampal Synapses. <i>PLoS ONE</i> , 2012, 7, e38188.	1.1	36
25	Pool-independent labelling of synaptic vesicle exocytosis with single vesicle resolution in rat hippocampal neurons. <i>Journal of Neuroscience Methods</i> , 2012, 205, 258-264.	1.3	5
26	Systematic Heterogeneity of Fractional Vesicle Pool Sizes and Release Rates of Hippocampal Synapses. <i>Biophysical Journal</i> , 2011, 100, 593-601.	0.2	41
27	Identification of Novel Functional Inhibitors of Acid Sphingomyelinase. <i>PLoS ONE</i> , 2011, 6, e23852.	1.1	145
28	Amyloid Precursor Protein Is Trafficked and Secreted via Synaptic Vesicles. <i>PLoS ONE</i> , 2011, 6, e18754.	1.1	84
29	A fast and robust method for automated analysis of axonal transport. <i>European Biophysics Journal</i> , 2011, 40, 1061-1069.	1.2	17
30	Distinct intracellular vesicle transport mechanisms are selectively modified by spastin and spastin mutations. <i>Journal of Cellular Physiology</i> , 2011, 226, 362-368.	2.0	8
31	Lipophilic cationic drugs increase the permeability of lysosomal membranes in a cell culture system. <i>Journal of Cellular Physiology</i> , 2010, 224, 152-164.	2.0	45
32	Background determinationâ€based detection of scattered peaks. <i>Microscopy Research and Technique</i> , 2010, 73, 1115-1122.	1.2	8
33	Fluoxetine prevents stimulationâ€dependent fatigue of synaptic vesicle exocytosis in hippocampal neurons. <i>Journal of Neurochemistry</i> , 2010, 114, 697-705.	2.1	19
34	The same synaptic vesicles drive active and spontaneous release. <i>Nature Neuroscience</i> , 2010, 13, 1454-1456.	7.1	79
35	Functional Inhibitors of Acid Sphingomyelinase (FIASMAS): A Novel Pharmacological Group of Drugs with Broad Clinical Applications. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 9-20.	1.1	299
36	Applicability of an EM-CCD for spatially resolved TIR-ICS. <i>Optics Express</i> , 2010, 18, 13516.	1.7	12

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37	Synapse Clusters Are Preferentially Formed by Synapses with Large Recycling Pool Sizes. PLoS ONE, 2010, 5, e13514.	1.1	34
38	The role of ceramide in major depressive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2009, 259, 199-204.	1.8	46
39	Determination of axonal transport velocities via image cross- and autocorrelation. European Biophysics Journal, 2009, 38, 883-889.	1.2	14
40	Urea-based two-dimensional electrophoresis of beta-amyloid peptides in human plasma: Evidence for novel A β species. Proteomics, 2007, 7, 3815-3820.	1.3	47
41	Synaptic vesicles recycling spontaneously and during activity belong to the same vesicle pool. Nature Neuroscience, 2007, 10, 145-147.	7.1	129
42	Amyloid β peptides in cerebrospinal fluid as profiled with surface enhanced laser desorption/ionization time-of-flight mass spectrometry: evidence of novel biomarkers in Alzheimer's disease. Biological Psychiatry, 2004, 55, 524-530.	0.7	86