

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
g-index

46
all docs

46
docs citations

46
times ranked

3392
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid sphingomyelinaseâ€“ceramide system mediates effects of antidepressant drugs. <i>Nature Medicine</i> , 2013, 19, 934-938.	15.2	313
2	Functional Inhibitors of Acid Sphingomyelinase (FIASMA): A Novel Pharmacological Group of Drugs with Broad Clinical Applications. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 9-20.	1.1	299
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	Aptamers as potential tools for super-resolution microscopy. <i>Nature Methods</i> , 2012, 9, 938-939.	9.0	154
5	Identification of Novel Functional Inhibitors of Acid Sphingomyelinase. <i>PLoS ONE</i> , 2011, 6, e23852.	1.1	145
6	Synaptic vesicles recycling spontaneously and during activity belong to the same vesicle pool. <i>Nature Neuroscience</i> , 2007, 10, 145-147.	7.1	129
7	Gene dosage-dependent rescue of HSP neurite defects in SPG4 patients' neurons. <i>Human Molecular Genetics</i> , 2014, 23, 2527-2541.	1.4	111
8	Amyloid Î² 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. <i>Biological Psychiatry</i> , 2004, 55, 524-530.	0.7	86
9	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
10	Amyloid Precursor Protein Is Trafficked and Secreted via Synaptic Vesicles. <i>PLoS ONE</i> , 2011, 6, e18754.	1.1	84
11	The same synaptic vesicles drive active and spontaneous release. <i>Nature Neuroscience</i> , 2010, 13, 1454-1456.	7.1	79
12	Use-Dependent Inhibition of Synaptic Transmission by the Secretion of Intravesicularly Accumulated Antipsychotic Drugs. <i>Neuron</i> , 2012, 74, 830-844.	3.8	50
13	Ureaâ€“based twoâ€“dimensional electrophoresis of betaâ€“amyloid peptides in human plasma: Evidence for novel AÎ² species. <i>Proteomics</i> , 2007, 7, 3815-3820.	1.3	47
14	The role of ceramide in major depressive disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2009, 259, 199-204.	1.8	46
15	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
16	Systematic Heterogeneity of Fractional Vesicle Pool Sizes and Release Rates of Hippocampal Synapses. <i>Biophysical Journal</i> , 2011, 100, 593-601.	0.2	41
17	Key Physiological Parameters Dictate Triggering of Activity-Dependent Bulk Endocytosis in Hippocampal Synapses. <i>PLoS ONE</i> , 2012, 7, e38188.	1.1	36
18	Synapse Clusters Are Preferentially Formed by Synapses with Large Recycling Pool Sizes. <i>PLoS ONE</i> , 2010, 5, e13514.	1.1	34

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19	Fluoxetine prevents stimulation-dependent fatigue of synaptic vesicle exocytosis in hippocampal neurons. <i>Journal of Neurochemistry</i> , 2010, 114, 697-705.	2.1	19
20	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
21	A fast and robust method for automated analysis of axonal transport. <i>European Biophysics Journal</i> , 2011, 40, 1061-1069.	1.2	17
22	Determination of axonal transport velocities via image cross- and autocorrelation. <i>European Biophysics Journal</i> , 2009, 38, 883-889.	1.2	14
23	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
24	Applicability of an EM-CCD for spatially resolved TIR-ICS. <i>Optics Express</i> , 2010, 18, 13516.	1.7	12
25	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
26	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
27	Risperidone inhibits voltage-gated sodium channels. <i>European Journal of Pharmacology</i> , 2014, 728, 100-106.	1.7	9
28	Surface Trafficking of APP and BACE in Live Cells. <i>Traffic</i> , 2015, 16, 655-675.	1.3	9
29	Background determination-based detection of scattered peaks. <i>Microscopy Research and Technique</i> , 2010, 73, 1115-1122.	1.2	8
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	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
32	Rewiring of neuronal networks during synaptic silencing. <i>Scientific Reports</i> , 2017, 7, 11724.	1.6	8
33	The pH Probe CypHer5E is Effectively Quenched by FM Dyes. <i>Journal of Fluorescence</i> , 2013, 23, 487-494.	1.3	6
34	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
35	iPad-Assisted Measurements of Duration Estimation in Psychiatric Patients and Healthy Control Subjects. <i>PLoS ONE</i> , 2013, 8, e61295.	1.1	5
36	Basal presynaptic 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

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37	Dynamic Properties of the Alkaline Vesicle Population at Hippocampal Synapses. PLoS ONE, 2014, 9, e102723.	1.1	3
38	Nociception in the Glycine Receptor Deficient Mutant Mouse Spastic. Frontiers in Molecular Neuroscience, 2022, 15, 832490.	1.4	3
39	Common strength and localization of spontaneous and evoked synaptic vesicle release sites. Molecular Brain, 2014, 7, 23.	1.3	2
40	Functional Viability: Measurement of Synaptic Vesicle Pool Sizes. Methods in Molecular Biology, 2017, 1601, 195-204.	0.4	2
41	Feasibility and Diagnostic Accuracy of Ischemic Stroke Territory Recognition Based on Two-Dimensional Projections of Three-Dimensional Diffusion MRI Data. Frontiers in Neurology, 2015, 6, 239.	1.1	1
42	Common network effect-patterns after monoamine reuptake inhibition in dissociated hippocampus cultures. Journal of Neural Transmission, 2022, 129, 261-275.	1.4	1