Katrin Deinhardt

List of Publications by Year in descending order

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49	2,917	236833	254106
papers	citations	25 h-index	43 g-index

54	54	54	4523
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Investigation of the Unfolded Protein Response in Select Human Tauopathies. Journal of Alzheimer's Disease Reports, 2021, 5, 1-15.	1.2	2
2	A 5â€² UTR GGN repeat controls localisation and translation of a potassium leak channel mRNA through G-quadruplex formation. Nucleic Acids Research, 2020, 48, 9822-9839.	6.5	30
3	Quantitative and correlative extreme ultraviolet coherent imaging of mouse hippocampal neurons at high resolution. Science Advances, 2020, 6, eaaz3025.	4.7	32
4	Age-Dependent Changes in Synaptic NMDA Receptor Composition in Adult Human Cortical Neurons. Cerebral Cortex, 2020, 30, 4246-4256.	1.6	19
5	Co-culture of Murine Neurons Using a Microfluidic Device for The Study of Tau Misfolding Propagation. Bio-protocol, 2020, 10, e3718.	0.2	1
6	A receptor that lets dementia-associated tau proteins into neurons. Nature, 2020, 580, 326-327.	13.7	3
7	Proteomic Approaches to Dissect Neuronal Signalling Pathways. Advances in Experimental Medicine and Biology, 2019, 1140, 469-475.	0.8	2
8	A primate-specific short GluN2A-NMDA receptor isoform is expressed in the human brain. Molecular Brain, 2019, 12, 64.	1.3	12
9	Tau Misfolding Efficiently Propagates between Individual Intact Hippocampal Neurons. Journal of Neuroscience, 2019, 39, 9623-9632.	1.7	34
10	Pathogenic tau does not drive activation of the unfolded protein response. Journal of Biological Chemistry, 2019, 294, 9679-9688.	1.6	14
11	Asymmetric confinement for defining outgrowth directionality. Lab on A Chip, 2019, 19, 1484-1489.	3.1	25
12	Emergence of synaptic and cognitive impairment in a mature-onset APP mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2019, 7, 25.	2.4	28
13	Minimalistic in vitro systems for investigating tau pathology. Journal of Neuroscience Methods, 2019, 319, 69-76.	1.3	3
14	Mechano-sensitization of mammalian neuronal networks through expression of the bacterial mechanosensitive MscL channel. Journal of Cell Science, 2018, 131, .	1.2	16
15	Modulation of nonsense mediated decay by rapamycin. Nucleic Acids Research, 2017, 45, 3448-3459.	6.5	26
16	Quantitative Evaluation of Hard X-ray Damage to Biological Samples using EUV Ptychography. Journal of Physics: Conference Series, 2017, 849, 012034.	0.3	1
17	Akt Regulates Axon Wrapping and Myelin Sheath Thickness in the PNS. Journal of Neuroscience, 2016, 36, 4506-4521.	1.7	97
18	Bridging Two Cultures: Minimalistic Networks Prepared by Microfluidic Arraying, and Open Access Compartments for Electrophysiology. Neuromethods, 2015, , 39-56.	0.2	0

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19	Trkb Signaling in Pericytes Is Required for Cardiac Microvessel Stabilization. PLoS ONE, 2014, 9, e87406.	1.1	35
20	Identification of tumor differentiation factor (TDF) in select CNS neurons. Brain Structure and Function, 2014, 219, 1333-1342.	1.2	10
21	Trk Receptors. Handbook of Experimental Pharmacology, 2014, 220, 103-119.	0.9	119
22	Antipsychotics Activate mTORC1-Dependent Translation to Enhance Neuronal Morphological Complexity. Science Signaling, 2014, 7, ra4.	1.6	62
23	Proteomic Approaches to Dissect Neuronal Signaling Pathways. Advances in Experimental Medicine and Biology, 2014, 806, 499-508.	0.8	1
24	Shaping neurons: Long and short range effects of mature and proBDNF signalling upon neuronal structure. Neuropharmacology, 2014, 76, 603-609.	2.0	98
25	Proteinâ€“protein interactions: switch from classical methods to proteomics and bioinformatics-based approaches. Cellular and Molecular Life Sciences, 2014, 71, 205-228.	2.4	112
26	Stable Isotope Labeling by Amino Acids in Cultured Primary Neurons. Methods in Molecular Biology, 2014, 1188, 57-64.	0.4	8
27	Investigating a Novel Protein Using Mass Spectrometry: The Example of Tumor Differentiation Factor (TDF). Advances in Experimental Medicine and Biology, 2014, 806, 509-523.	0.8	2
28	Val66Met polymorphism of BDNF alters prodomain structure to induce neuronal growth cone retraction. Nature Communications, 2013, 4, 2490.	5.8	185
29	Reversal of Impaired Hippocampal Long-Term Potentiation and Contextual Fear Memory Deficits in Angelman Syndrome Model Mice by ErbB Inhibitors. Biological Psychiatry, 2012, 72, 182-190.	0.7	83
30	Study of Neurotrophin-3 Signaling in Primary Cultured Neurons using Multiplex Stable Isotope Labeling with Amino Acids in Cell Culture. Journal of Proteome Research, 2011, 10, 2546-2554.	1.8	37
31	Neuronal Growth Cone Retraction Relies on Proneurotrophin Receptor Signaling Through Rac. Science Signaling, 2011, 4, ra82.	1.6	156
32	Identifying transient proteinâ€“protein interactions in EphB2 signaling by blue native PAGE and mass spectrometry. Proteomics, 2011, 11, 4514-4528.	1.3	85
33	Fine-tuning MAPK signalling in the brain. Communicative and Integrative Biology, 2011, 4, 281-283.	0.6	25
34	The MAP kinase phosphatase MKP-1 regulates BDNF-induced axon branching. Nature Neuroscience, 2010, 13, 1373-1379.	7.1	147
35	Neurotrophin Signaling in Development. , 2010, , 1913-1917.		0
36	A Role for Huntington Disease Protein in Dendritic RNA Granules. Journal of Biological Chemistry, 2010, 285, 13142-13153.	1.6	72

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37	Receptor-Dependent and -Independent Axonal Retrograde Transport of Poliovirus in Motor Neurons. Journal of Virology, 2009, 83, 4995-5004.	1.5	49
38	Stable Isotopic Labeling by Amino Acids in Cultured Primary Neurons. Molecular and Cellular Proteomics, 2008, 7, 1067-1076.	2.5	120
39	Targeted deletion of p97 (VCP/CDC48) in mouse results in early embryonic lethality. Biochemical and Biophysical Research Communications, 2007, 354, 459-465.	1.0	115
40	The phagocytic capacity of neurones. European Journal of Neuroscience, 2007, 25, 2947-2955.	1.2	41
41	Neurotrophins Redirect p75^{NTR} from a Clathrinâ€Independent to a Clathrinâ€Dependent Endocytic Pathway Coupled to Axonal Transport. Traffic, 2007, 8, 1736-1749.	1.3	71
42	Rab5 and Rab7 Control Endocytic Sorting along the Axonal Retrograde Transport Pathway. Neuron, 2006, 52, 293-305.	3.8	413
43	Tetanus toxin is internalized by a sequential clathrin-dependent mechanism initiated within lipid microdomains and independent of epsin1. Journal of Cell Biology, 2006, 174, 459-471.	2.3	118
44	Uptake and transport of Clostridium neurotoxins. , 2006, , 390-408.		9
45	An in vitro assay reveals a role for the diaphragm protein PV-1 in endothelial fenestra morphogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16770-16775.	3.3	79
46	Endocytosis and retrograde axonal traffic in motor neurons.. Biochemical Society Symposia, 2005, 72, 139-150.	2.7	24
47	The journey of tetanus and botulinum neurotoxins in neurons. Trends in Microbiology, 2003, 11, 431-437.	3.5	206
48	Sequential SNARE disassembly and GATE-16â€“GOS-28 complex assembly mediated by distinct NSF activities drives Golgi membrane fusion. Journal of Cell Biology, 2002, 157, 1161-1173.	2.3	83
49	More Than Just an OFF-Switch: The Essential Role of Protein Dephosphorylation in the Modulation of BDNF Signaling Events. , 0, , .		3