

David Lutz

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

394
citations

759233

12
h-index

839539

18
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22
all docs

22
docs citations

22
times ranked

531
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation and Nuclear Translocation of Sumoylated Transmembrane Fragment of Cell Adhesion Molecule L1. <i>Journal of Biological Chemistry</i> , 2012, 287, 17161-17175.	3.4	55
2	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Promotes Neuritogenesis and Cell Survival. <i>Journal of Biological Chemistry</i> , 2014, 289, 13503-13518.	3.4	48
3	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Improves Regeneration After Injury. <i>Molecular Neurobiology</i> , 2016, 53, 3360-3376.	4.0	42
4	Cathepsin E generates a sumoylated intracellular fragment of the cell adhesion molecule L1 to promote neuronal and Schwann cell migration as well as myelination. <i>Journal of Neurochemistry</i> , 2014, 128, 713-724.	3.9	31
5	Polysialic acid enters the cell nucleus attached to a fragment of the neural cell adhesion molecule NCAM to regulate the circadian rhythm in mouse brain. <i>Molecular and Cellular Neurosciences</i> , 2016, 74, 114-127.	2.2	26
6	Trajectory Analysis Unveils Reelin's Role in the Directed Migration of Granule Cells in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2018, 38, 137-148.	3.6	25
7	Localising functionalised gold-nanoparticles in murine spinal cords by X-ray fluorescence imaging and background-reduction through spatial filtering for human-sized objects. <i>Scientific Reports</i> , 2018, 8, 16561.	3.3	25
8	Presenilins regulate synaptic plasticity and mitochondrial calcium homeostasis in the hippocampal mossy fiber pathway. <i>Molecular Neurodegeneration</i> , 2017, 12, 48.	10.8	22
9	Proteolytic cleavage of transmembrane cell adhesion molecule L1 by extracellular matrix molecule Reelin is important for mouse brain development. <i>Scientific Reports</i> , 2017, 7, 15268.	3.3	21
10	Revisiting the proteolytic processing of cell adhesion molecule L1. <i>Journal of Neurochemistry</i> , 2021, 157, 1102-1117.	3.9	20
11	A Fragment of Adhesion Molecule L1 Binds to Nuclear Receptors to Regulate Synaptic Plasticity and Motor Coordination. <i>Molecular Neurobiology</i> , 2018, 55, 7164-7178.	4.0	19
12	A fragment of adhesion molecule L1 is imported into mitochondria and regulates mitochondrial metabolism and trafficking. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	18
13	Reelin signaling modulates GABA B receptor function in the neocortex. <i>Journal of Neurochemistry</i> , 2021, 156, 589-603.	3.9	12
14	The Microtubule Severing Protein Katanin Regulates Proliferation of Neuronal Progenitors in Embryonic and Adult Neurogenesis. <i>Scientific Reports</i> , 2019, 9, 15940.	3.3	10
15	The cell adhesion molecule L1 interacts with nuclear proteins via its intracellular domain. <i>FASEB Journal</i> , 2020, 34, 9869-9883.	0.5	9
16	Ghrelin-Mediated Regeneration and Plasticity After Nervous System Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 595914.	3.7	6
17	Ghrelin Regulates Expression of the Transcription Factor Pax6 in Hypoxic Brain Progenitor Cells and Neurons. <i>Cells</i> , 2022, 11, 782.	4.1	3
18	Mice lacking perforin have improved regeneration of the injured femoral nerve. <i>Neural Regeneration Research</i> , 2022, 17, 1802.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Assessment of Ultrastructural Neuroplasticity Parameters After In Utero Transduction of the Developing Mouse Brain and Spinal Cord. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	0
20	Differential modulation of short-term plasticity at hippocampal mossy fiber and Schaffer collateral synapses by mitochondrial Ca ²⁺ . <i>PLoS ONE</i> , 2020, 15, e0240610.	2.5	0
21	Editorial: Morphogenic Cascades Underlying Regeneration and Plasticity After Nervous System Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 753777.	3.7	0