

Gabriele Loers

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

909
citations

567281

15
h-index

642732

23
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29
all docs

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docs citations

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times ranked

1344
citing authors

#	ARTICLE	IF	CITATIONS
1	Synapsin I Is an Oligomannose-Carrying Glycoprotein, Acts As an Oligomannose-Binding Lectin, and Promotes Neurite Outgrowth and Neuronal Survival When Released via Glia-Derived Exosomes. <i>Journal of Neuroscience</i> , 2011, 31, 7275-7290.	3.6	244
2	Recognition molecules and neural repair. <i>Journal of Neurochemistry</i> , 2007, 101, 865-882.	3.9	95
3	Signal transduction pathways implicated in neural recognition molecule L1 triggered neuroprotection and neurogenesis. <i>Journal of Neurochemistry</i> , 2005, 92, 1463-1476.	3.9	94
4	Adhesion molecule L1 binds to amyloid beta and reduces Alzheimer's disease pathology in mice. <i>Neurobiology of Disease</i> , 2013, 56, 104-115.	4.4	49
5	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
6	Interaction of the Cell Adhesion Molecule CHL1 with Vitronectin, Integrins, and the Plasminogen Activator Inhibitor-2 Promotes CHL1-Induced Neurite Outgrowth and Neuronal Migration. <i>Journal of Neuroscience</i> , 2014, 34, 14606-14623.	3.6	45
7	Myelin Basic Protein Cleaves Cell Adhesion Molecule L1 and Improves Regeneration After Injury. <i>Molecular Neurobiology</i> , 2016, 53, 3360-3376.	4.0	42
8	Extracellular GAPDH binds to L1 and enhances neurite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2009, 41, 206-218.	2.2	41
9	The Interaction between Cell Adhesion Molecule L1, Matrix Metalloproteinase 14, and Adenine Nucleotide Translocator at the Plasma Membrane Regulates L1-Mediated Neurite Outgrowth of Murine Cerebellar Neurons. <i>Journal of Neuroscience</i> , 2012, 32, 3917-3930.	3.6	34
10	Cuprizone-Induced Demyelination in Mouse Hippocampus Is Alleviated by Ketogenic Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11215-11228.	5.2	33
11	Amelioration of clinical course and demyelination in the cuprizone mouse model in relation to ketogenic diet. <i>Food and Function</i> , 2020, 11, 5647-5663.	4.6	26
12	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
13	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
14	Revisiting the proteolytic processing of cell adhesion molecule L1. <i>Journal of Neurochemistry</i> , 2021, 157, 1102-1117.	3.9	20
15	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
16	Molecular Basis of the Receptor Interactions of Polysialic Acid (polySia), polySia Mimetics, and Sulfated Polysaccharides. <i>ChemMedChem</i> , 2016, 11, 990-1002.	3.2	11
17	Designer Neural Networks with Embedded Semiconductor Microtube Arrays. <i>Langmuir</i> , 2018, 34, 1528-1534.	3.5	11
18	An antarctic krill oil-based diet elicits neuroprotective effects by inhibiting oxidative stress and rebalancing the M1/M2 microglia phenotype in a cuprizone model for demyelination. <i>Journal of Functional Foods</i> , 2021, 76, 104309.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Approaching Integrated Hybrid Neural Circuits: Axon Guiding on Optically Active Semiconductor Microtube Arrays. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600746.	3.7	10
20	The cell adhesion molecule CHL1 interacts with patched-1 to regulate apoptosis during postnatal cerebellar development. <i>Journal of Cell Science</i> , 2017, 130, 2606-2619.	2.0	10
21	Culturing and patch clamping of Jurkat T cells and neurons on Al ₂ O ₃ coated nanowire arrays of altered morphology. <i>RSC Advances</i> , 2019, 9, 11194-11201.	3.6	9
22	Mitochondrial and Neuronal Dysfunctions in L1 Mutant Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4337.	4.1	6
23	Interplay in neural functions of cell adhesion molecule close homolog of L1 (CHL1) and Programmed Cell Death 6 (PDCD6). <i>FASEB BioAdvances</i> , 2022, 4, 43-59.	2.4	3
24	Synthetic neuronal circuits: Optically active semiconductor microtubes as remotely accessible sensors for action potentials. , 2015, , .		2
25	Proteins Binding to the Carbohydrate HNK-1: Common Origins?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8116.	4.1	1
26	Optical Microresonators: Approaching Integrated Hybrid Neural Circuits: Axon Guiding on Optically Active Semiconductor Microtube Arrays (<i>Adv. Mater. Interfaces</i> 24/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	3.7	0
27	The cell adhesion molecule CHL1 interacts with patched-1 to regulate apoptosis during postnatal cerebellar development. <i>Development (Cambridge)</i> , 2017, 144, e1.2-e1.2.	2.5	0