

Melanie Meyer-Luehmann

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

5,266
citations

236612

25
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

7277
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid appearance and local toxicity of amyloid- β^2 plaques in a mouse model of Alzheimer's disease. <i>Nature</i> , 2008, 451, 720-724.	13.7	916
2	Exogenous Induction of Cerebral β -Amyloidogenesis Is Governed by Agent and Host. <i>Science</i> , 2006, 313, 1781-1784.	6.0	875
3	Oligomeric amyloid β^2 associates with postsynaptic densities and correlates with excitatory synapse loss near senile plaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4012-4017.	3.3	734
4	Dendritic Spine Abnormalities in Amyloid Precursor Protein Transgenic Mice Demonstrated by Gene Transfer and Intravital Multiphoton Microscopy. <i>Journal of Neuroscience</i> , 2005, 25, 7278-7287.	1.7	524
5	Loss of TREM2 function increases amyloid seeding but reduces plaque-associated ApoE. <i>Nature Neuroscience</i> , 2019, 22, 191-204.	7.1	358
6	Novel Hexb-based tools for studying microglia in the CNS. <i>Nature Immunology</i> , 2020, 21, 802-815.	7.0	186
7	Histone Deacetylases 1 and 2 Regulate Microglia Function during Development, Homeostasis, and Neurodegeneration in a Context-Dependent Manner. <i>Immunity</i> , 2018, 48, 514-529.e6.	6.6	144
8	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. <i>Immunity</i> , 2019, 50, 1482-1497.e7.	6.6	141
9	Rapid Microglial Response Around Amyloid Pathology after Systemic Anti- β^2 Antibody Administration in PDAPP Mice. <i>Journal of Neuroscience</i> , 2008, 28, 14156-14164.	1.7	136
10	Extracellular amyloid formation and associated pathology in neural grafts. <i>Nature Neuroscience</i> , 2003, 6, 370-377.	7.1	115
11	Inhibition of amyloid- β^2 plaque formation by β -synuclein. <i>Nature Medicine</i> , 2015, 21, 802-807.	15.2	97
12	Microglia contribute to the propagation of β^2 into unaffected brain tissue. <i>Nature Neuroscience</i> , 2022, 25, 20-25.	7.1	89
13	Seed-induced β^2 deposition is modulated by microglia under environmental enrichment in a mouse model of Alzheimer's disease. <i>EMBO Journal</i> , 2018, 37, 167-182.	3.5	87
14	Plaque-Derived Oxidative Stress Mediates Distorted Neurite Trajectories in the Alzheimer Mouse Model. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 1082-1089.	0.9	85
15	Forebrain microglia from wild-type but not adult 5xFAD mice prevent amyloid- β^2 plaque formation in organotypic hippocampal slice cultures. <i>Scientific Reports</i> , 2015, 5, 14624.	1.6	82
16	Mechanisms of Pathogenic Tau and β^2 Protein Spreading in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 265.	1.7	78
17	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2020, 8, 119.	2.4	75
18	Label-free Quantitative Proteomics of Mouse Cerebrospinal Fluid Detects β^2 -Site APP Cleaving Enzyme (BACE1) Protease Substrates In Vivo. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2550-2563.	2.5	70

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19	Microglia as a critical player in both developmental and late-life CNS pathologies. <i>Acta Neuropathologica</i> , 2014, 128, 333-345.	3.9	64
20	A β oligomers trigger and accelerate A β seeding. <i>Brain Pathology</i> , 2020, 30, 36-45.	2.1	62
21	Myeloid Cells in Alzheimer's Disease: Culprits, Victims or Innocent Bystanders?. <i>Trends in Neurosciences</i> , 2015, 38, 659-668.	4.2	60
22	A Reporter of Local Dendritic Translocation Shows Plaque- Related Loss of Neural System Function in APP-Transgenic Mice. <i>Journal of Neuroscience</i> , 2009, 29, 12636-12640.	1.7	54
23	Human organotypic brain slice culture: a novel framework for environmental research in neuro-oncology. <i>Life Science Alliance</i> , 2019, 2, e201900305.	1.3	38
24	A β Seeding as a Tool to Study Cerebral Amyloidosis and Associated Pathology. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 233.	1.4	32
25	A Peephole into the Brain: Neuropathological Features of Alzheimer's Disease Revealed by in vivo Two-Photon Imaging. <i>Frontiers in Psychiatry</i> , 2012, 3, 26.	1.3	29
26	Clustering of plaques contributes to plaque growth in a mouse model of Alzheimer's disease. <i>Acta Neuropathologica</i> , 2013, 126, 179-188.	3.9	27
27	The Role of Glial Cells and Synapse Loss in Mouse Models of Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 473.	1.8	24
28	Meclofenamate causes loss of cellular tethering and decoupling of functional networks in glioblastoma. <i>Neuro-Oncology</i> , 2021, 23, 1885-1897.	0.6	23
29	Monitoring protein aggregation and toxicity in Alzheimer's disease mouse models using in vivo imaging. <i>Methods</i> , 2011, 53, 201-207.	1.9	22
30	Environmental enrichment reverses A β pathology during pregnancy in a mouse model of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2018, 6, 44.	2.4	17
31	T cell mediated cerebral hemorrhages and microhemorrhages during passive A β immunization in APPS1 transgenic mice. <i>Molecular Neurodegeneration</i> , 2011, 6, 22.	4.4	14
32	Distinct A β pathology in the olfactory bulb and olfactory deficits in a mouse model of A β and τ syn co-pathology. <i>Brain Pathology</i> , 2021, , e13032.	2.1	3