Melanie Meyer-Luehmann

List of Publications by Year
in descending order

32 papers	5,266 citations	236925 25 h-index	395702 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-Î² plaques in a mouse model of Alzheimerâ€™s disease. Nature, 2008, 451, 720-724.	27.8	916
2	Exogenous Induction of Cerebral ÃŸ-Amyloidogenesis Is Governed by Agent and Host. Science, 2006, 313, 1781-1784.	12.6	875
3	Oligomeric amyloid Î² associates with postsynaptic densities and correlates with excitatory synapse loss near senile plaques. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4012-4017.	7.1	734
4	Dendritic Spine Abnormalities in Amyloid Precursor Protein Transgenic Mice Demonstrated by Gene Transfer and Intravital Multiphoton Microscopy. Journal of Neuroscience, 2005, 25, 7278-7287.	3.6	524
5	Loss of TREM2 function increases amyloid seeding but reduces plaque-associated ApoE. Nature Neuroscience, 2019, 22, 191-204.	14.8	358
6	Novel Hexb-based tools for studying microglia in the CNS. Nature Immunology, 2020, 21, 802-815.	14.5	186
7	Histone Deacetylases 1 and 2 Regulate Microglia Function during Development, Homeostasis, and Neurodegeneration in a Context-Dependent Manner. Immunity, 2018, 48, 514-529.e6.	14.3	144
8	A Subset of Skin Macrophages Contributes to the Surveillance and Regeneration of Local Nerves. Immunity, 2019, 50, 1482-1497.e7.	14.3	141
9	Rapid Microglial Response Around Amyloid Pathology after Systemic Anti-AÎ² Antibody Administration in PDAPP Mice. Journal of Neuroscience, 2008, 28, 14156-14164.	3.6	136
10	Extracellular amyloid formation and associated pathology in neural grafts. Nature Neuroscience, 2003, 6, 370-377.	14.8	115
11	Inhibition of amyloid-Î² plaque formation by Î±-synuclein. Nature Medicine, 2015, 21, 802-807.	30.7	97
12	Microglia contribute to the propagation of AÎ² into unaffected brain tissue. Nature Neuroscience, 2022, 25, 20-25.	14.8	89
13	Seedâ€induced AÎ² deposition is modulated by microglia under environmental enrichment in a mouse model of Alzheimer's disease. EMBO Journal, 2018, 37, 167-182.	7.8	87
14	Plaque-Derived Oxidative Stress Mediates Distorted Neurite Trajectories in the Alzheimer Mouse Model. Journal of Neuropathology and Experimental Neurology, 2006, 65, 1082-1089.	1.7	85
15	Forebrain microglia from wild-type but not adult 5xFAD mice prevent amyloid-Î² plaque formation in organotypic hippocampal slice cultures. Scientific Reports, 2015, 5, 14624.	3.3	82
16	Mechanisms of Pathogenic Tau and AÎ² Protein Spreading in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 265.	3.4	78
17	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2020, 8, 119.	5.2	75
18	Label-free Quantitative Proteomics of Mouse Cerebrospinal Fluid Detects Î²-Site APP Cleaving Enzyme (BACE1) Protease Substrates In Vivo. Molecular and Cellular Proteomics, 2015, 14, 2550-2563.	3.8	70

#	Article	IF	Citations
19	Microglia as a critical player in both developmental and late-life CNS pathologies. Acta Neuropathologica, 2014, 128, 333-345.	7.7	64
20	AÎ² oligomers trigger and accelerate AÎ² seeding. Brain Pathology, 2020, 30, 36-45.	4.1	62
21	Myeloid Cells in Alzheimer's Disease: Culprits, Victims or Innocent Bystanders?. Trends in Neurosciences, 2015, 38, 659-668.	8.6	60
22	A Reporter of Local Dendritic Translocation Shows Plaque- Related Loss of Neural System Function in APP-Transgenic Mice. Journal of Neuroscience, 2009, 29, 12636-12640.	3.6	54
23	Human organotypic brain slice culture: a novel framework for environmental research in neuro-oncology. Life Science Alliance, 2019, 2, e201900305.	2.8	38
24	AÎ² Seeding as a Tool to Study Cerebral Amyloidosis and Associated Pathology. Frontiers in Molecular Neuroscience, 2019, 12, 233.	2.9	32
25	A Peephole into the Brain: Neuropathological Features of Alzheimerâ€™s Disease Revealed by in vivo Two-Photon Imaging. Frontiers in Psychiatry, 2012, 3, 26.	2.6	29
26	Clustering of plaques contributes to plaque growth in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica, 2013, 126, 179-188.	7.7	27
27	The Role of Glial Cells and Synapse Loss in Mouse Models of Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2018, 12, 473.	3.7	24
28	Meclofenamate causes loss of cellular tethering and decoupling of functional networks in glioblastoma. Neuro-Oncology, 2021, 23, 1885-1897.	1.2	23
29	Monitoring protein aggregation and toxicity in Alzheimerâ€™s disease mouse models using in vivo imaging. Methods, 2011, 53, 201-207.	3.8	22
30	Environmental enrichment reverses AÎ² pathology during pregnancy in a mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 44.	5.2	17
31	T cell mediated cerebral hemorrhages and microhemorrhages during passive AÎ² immunization in APPPS1 transgenic mice. Molecular Neurodegeneration, 2011, 6, 22.	10.8	14
32	Distinct AÎ² pathology in the olfactory bulb and olfactory deficits in a mouse model of AÎ² and Î±â€syn coâ€pathology. Brain Pathology, 2021, , e13032.	4.1	3