Tanja Kuhlmann

List of Publications by Year
in descending order

59 papers	4,845 citations	147801 31 h-index	138484 58 g-index
65 all docs	65 docs citations	65 times ranked	6956 citing authors

#	Article	IF	Citations
1	Acute axonal damage in multiple sclerosis is most extensive in early disease stages and decreases over time. Brain, 2002, 125, 2202-2212.	7.6	650
2	Genetic Correction of a LRRK2 Mutation in Human iPSCs Links Parkinsonian Neurodegeneration to ERK-Dependent Changes in Gene Expression. Cell Stem Cell, 2013, 12, 354-367.	11.1	448
3	An updated histological classification system for multiple sclerosis lesions. Acta Neuropathologica, 2017, 133, 13-24.	7.7	436
4	Integrated single cell analysis of blood and cerebrospinal fluid leukocytes in multiple sclerosis. Nature Communications, 2020, 11, 247.	12.8	242
5	Rapid and efficient generation of oligodendrocytes from human induced pluripotent stem cells using transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2243-E2252.	7.1	189
6	Primary progressive multiple sclerosis: part of the MS disease spectrum or separate disease entity?. Acta Neuropathologica, 2012, 123, 627-638.	7.7	176
7	Remyelination in multiple sclerosis. Journal of the Neurological Sciences, 2003, 206, 181-185.	0.6	175
8	Association between pathological and MRI findings in multiple sclerosis. Lancet Neurology, The, 2019, 18, 198-210.	10.2	163
9	Impaired NK-mediated regulation of T-cell activity in multiple sclerosis is reconstituted by IL-2 receptor modulation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2973-82.	7.1	157
10	BCAS1 expression defines a population of early myelinating oligodendrocytes in multiple sclerosis lesions. Science Translational Medicine, 2017, 9, .	12.4	138
11	VLA-4 blockade promotes differential routes into human CNS involving PSGL-1 rolling of T cells and MCAM-adhesion of TH17 cells. Journal of Experimental Medicine, 2014, 211, 1833-1846.	8.5	134
12	Tissue-resident memory T cells invade the brain parenchyma in multiple sclerosis white matter lesions. Brain, 2020, 143, 1714-1730.	7.6	131
13	CD8+ T-cell pathogenicity in Rasmussen encephalitis elucidated by large-scale T-cell receptor sequencing. Nature Communications, 2016, 7, 11153.	12.8	98
14	Nur77 serves as a molecular brake of the metabolic switch during T cell activation to restrict autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8017-E8026.	7.1	93
15	Achievements and obstacles of remyelinating therapies in multiple sclerosis. Nature Reviews Neurology, 2017, 13, 742-754.	10.1	89
16	Late motor decline after accomplished remyelination: Impact for progressive multiple sclerosis. Annals of Neurology, 2012, 71, 227-244.	5.3	88
17	Nogo-A is a Reliable Oligodendroglial Marker in Adult Human and Mouse CNS and in Demyelinated Lesions. Journal of Neuropathology and Experimental Neurology, 2007, 66, 238-246.	1.7	87
18	CD8+ T cell-mediated endotheliopathy is a targetable mechanism of neuro-inflammation in Susac syndrome. Nature Communications, 2019, 10, 5779.	12.8	87

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19	Oligodendrocyte injury in multiple sclerosis: a role for p53. Journal of Neurochemistry, 2003, 85, 635-644.	3.9	85
20	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. Stem Cell Reports, 2015, 5, 83-96.	4.8	82
21	In toxic demyelination oligodendroglial cell death occurs early and is FAS independent. Neurobiology of Disease, 2010, 37, 362-369.	4.4	77
22	Astrocyte pathology in a human neural stem cell model of frontotemporal dementia caused by mutant TAU protein. Scientific Reports, 2017, 7, 42991.	3.3	76
23	Lesion stage-dependent causes for impaired remyelination in MS. Acta Neuropathologica, 2020, 140, 359-375.	7.7	69
24	Contrasting potential of nitric oxide and peroxynitrite to mediate oligodendrocyte injury in multiple sclerosis. Glia, 2007, 55, 926-934.	4.9	68
25	Maladaptive cortical hyperactivity upon recovery from experimental autoimmune encephalomyelitis. Nature Neuroscience, 2018, 21, 1392-1403.	14.8	64
26	Nfat/calcineurin signaling promotes oligodendrocyte differentiation and myelination by transcription factor network tuning. Nature Communications, 2018, 9, 899.	12.8	60
27	Extrinsic immune cell-derived, but not intrinsic oligodendroglial factors contribute to oligodendroglial differentiation block in multiple sclerosis. Acta Neuropathologica, 2020, 140, 715-736.	7.7	53
28	The role of glial cells in multiple sclerosis disease progression. Nature Reviews Neurology, 2022, 18, 237-248.	10.1	53
29	Stem cell derived oligodendrocytes to study myelin diseases. Glia, 2020, 68, 705-720.	4.9	46
30	Bcl-2-expressing oligodendrocytes in multiple sclerosis lesions. , 1999, 28, 34-39.		44
31	Stroke induces disease-specific myeloid cells in the brain parenchyma and pia. Nature Communications, 2022, 13, 945.	12.8	40
32	Transcript profiling of different types of multiple sclerosis lesions yields FGF1 as a promoter of remyelination. Acta Neuropathologica Communications, 2014, 2, 168.	5.2	34
33	Multiple sclerosis iPS-derived oligodendroglia conserve their properties to functionally interact with axons and glia in vivo. Science Advances, 2020, 6, .	10.3	29
34	Non-steroidal anti-inflammatory drug indometacin enhances endogenous remyelination. Acta Neuropathologica, 2015, 130, 247-261.	7.7	28
35	TMEM10 Promotes Oligodendrocyte Differentiation and is Expressed by Oligodendrocytes in Human Remyelinating Multiple Sclerosis Plaques. Scientific Reports, 2019, 9, 3606.	3.3	27
36	The farnesoid-X-receptor in myeloid cells controls CNS autoimmunity in an IL-10-dependent fashion. Acta Neuropathologica, 2016, 132, 413-431.	7.7	26

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37	Limited TCF7L2 Expression in MS Lesions. PLoS ONE, 2013, 8, e72822.	2.5	24
38	B7-H1 shapes T-cellâ€“mediated brain endothelial cell dysfunction and regional encephalitogenicity in spontaneous CNS autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6182-E6191.	7.1	24
39	Interferon Î²-Mediated Protective Functions of Microglia in Central Nervous System Autoimmunity. International Journal of Molecular Sciences, 2019, 20, 190.	4.1	22
40	Single Site Fluorination of the GM₄ Ganglioside Epitope Upregulates Oligodendrocyte Differentiation. ACS Chemical Neuroscience, 2018, 9, 1159-1165.	3.5	21
41	One-step Reprogramming of Human Fibroblasts into Oligodendrocyte-like Cells by SOX10, OLIG2, and NKX6.2. Stem Cell Reports, 2021, 16, 771-783.	4.8	19
42	G-protein-coupled receptor P2Y10 facilitates chemokine-induced CD4 T cell migration through autocrine/paracrine mediators. Nature Communications, 2021, 12, 6798.	12.8	19
43	ALK3 undergoes ligand-independent homodimerization and BMP-induced heterodimerization with ALK2. Free Radical Biology and Medicine, 2018, 129, 127-137.	2.9	17
44	Puma, but not noxa is essential for oligodendroglial cell death. Glia, 2013, 61, 1712-1723.	4.9	16
45	Absence of B Cells in Brainstem and White Matter Lesions Associates With Less Severe Disease and Absence of Oligoclonal Bands in MS. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	16
46	<scp>SKAP2</scp> as a new regulator of oligodendroglial migration and myelin sheath formation. Glia, 2021, 69, 2699-2716.	4.9	16
47	Long-term efficacy of alemtuzumab in polymyositis. Rheumatology, 2015, 54, 560-562.	1.9	14
48	Relapsingâ€“remitting and primary progressive MS have the same cause(s)- the neuropathologistâ€™s view: 2. Multiple Sclerosis Journal, 2013, 19, 268-269.	3.0	13
49	Oligodendrocyte myelin glycoprotein as a novel target for pathogenic autoimmunity in the CNS. Acta Neuropathologica Communications, 2020, 8, 207.	5.2	11
50	Interleukin-4 receptor signaling modulates neuronal network activity. Journal of Experimental Medicine, 2022, 219, .	8.5	11
51	Intravenous Iron Carboxymaltose as a Potential Therapeutic in Anemia of Inflammation. PLoS ONE, 2016, 11, e0158599.	2.5	9
52	Activation of FXR pathway does not alter glial cell function. Journal of Neuroinflammation, 2017, 14, 66.	7.2	9
53	The K_{2P}â€channel TASK1 affects Oligodendroglial differentiation but not myelin restoration. Glia, 2019, 67, 870-883.	4.9	7
54	Beneficial contribution of induced pluripotent stem cellâ€progeny to Connexin 47 dynamics during demyelinationâ€remyelination. Glia, 2021, 69, 1094-1109.	4.9	7

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55	Recovery from Toxic-Induced Demyelination Does Not Require the NG2 Proteoglycan. PLoS ONE, 2016, 11, e0163841.	2.5	6
56	XIAP protects oligodendrocytes against cell death <i>in vitro</i> but has no functional role in toxic demyelination. Glia, 2012, 60, 271-280.	4.9	4
57	Tissue donations for multiple sclerosis research: current state and suggestions for improvement. Brain Communications, 2022, 4, fcac094.	3.3	4
58	IL-24 intrinsically regulates Th17 cell pathogenicity in mice. Journal of Experimental Medicine, 2022, 219, .	8.5	4
59	Cover Image, Volume 69, Issue 11. Glia, 2021, 69, C1.	4.9	0