

Markus P Kummer

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

11,759
citations

147566

31
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

18124
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroinflammation in Alzheimer's disease. <i>Lancet Neurology</i> , The, 2015, 14, 388-405.	4.9	4,129
2	NLRP3 is activated in Alzheimer's disease and contributes to pathology in APP/PS1 mice. <i>Nature</i> , 2013, 493, 674-678.	13.7	2,063
3	Innate immune activation in neurodegenerative disease. <i>Nature Reviews Immunology</i> , 2014, 14, 463-477.	10.6	1,053
4	Microglia-derived ASC specks cross-seed amyloid- β^2 in Alzheimer's disease. <i>Nature</i> , 2017, 552, 355-361.	13.7	664
5	Locus ceruleus controls Alzheimer's disease pathology by modulating microglial functions through norepinephrine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6058-6063.	3.3	408
6	The Alzheimer's Association external quality control program for cerebrospinal fluid biomarkers. <i>Alzheimer's and Dementia</i> , 2011, 7, 386.	0.4	354
7	Distinct and Non-Redundant Roles of Microglia and Myeloid Subsets in Mouse Models of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2011, 31, 11159-11171.	1.7	286
8	PPAR β /RXR α -Induced and CD36-Mediated Microglial Amyloid- β^2 Phagocytosis Results in Cognitive Improvement in Amyloid Precursor Protein/Presenilin 1 Mice. <i>Journal of Neuroscience</i> , 2012, 32, 17321-17331.	1.7	277
9	Nitration of Tyrosine 10 Critically Enhances Amyloid β^2 Aggregation and Plaque Formation. <i>Neuron</i> , 2011, 71, 833-844.	3.8	259
10	Truncated and modified amyloid-beta species. <i>Alzheimer's Research and Therapy</i> , 2014, 6, 28.	3.0	233
11	Sepsis causes neuroinflammation and concomitant decrease of cerebral metabolism. <i>Journal of Neuroinflammation</i> , 2008, 5, 38.	3.1	223
12	Critical Role of Astroglial Apolipoprotein E and Liver X Receptor α Expression for Microglial $\text{A}\beta^2$ Phagocytosis. <i>Journal of Neuroscience</i> , 2011, 31, 7049-7059.	1.7	163
13	<i>i>NOS2</i> Gene Deficiency Protects from Sepsis-Induced Long-Term Cognitive Deficits. <i>Journal of Neuroscience</i>, 2009, 29, 14177-14184.</i>	1.7	125
14	Targeting norepinephrine in mild cognitive impairment and Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 21.	3.0	124
15	Induced LC degeneration in APP/PS1 transgenic mice accelerates early cerebral amyloidosis and cognitive deficits. <i>Neurochemistry International</i> , 2010, 57, 375-382.	1.9	116
16	Postoperative Ileus Involves Interleukin-1 Receptor Signaling in Enteric Glia. <i>Gastroenterology</i> , 2014, 146, 176-187.e1.	0.6	110
17	CXCR3 promotes plaque formation and behavioral deficits in an Alzheimer's disease model. <i>Journal of Clinical Investigation</i> , 2015, 125, 365-378.	3.9	106
18	Impact and Therapeutic Potential of PPARs in Alzheimers Disease. <i>Current Neuropharmacology</i> , 2011, 9, 643-650.	1.4	99

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19	Selective Loss of Noradrenaline Exacerbates Early Cognitive Dysfunction and Synaptic Deficits in APP/PS1 Mice. <i>Biological Psychiatry</i> , 2013, 73, 454-463.	0.7	95
20	A possible role for the Alzheimer amyloid precursor protein in the regulation of epidermal basal cell proliferation. <i>European Journal of Cell Biology</i> , 2000, 79, 905-914.	1.6	75
21	Endoplasmic Reticulum-Localized Amyloid beta-Peptide is Degraded in the Cytosol by Two Distinct Degradation Pathways. <i>Traffic</i> , 2004, 5, 89-101.	1.3	69
22	Distinct modulation of microglial amyloid β phagocytosis and migration by neuropeptides. <i>Journal of Neuroinflammation</i> , 2010, 7, 61.	3.1	69
23	PPARs in Alzheimer's Disease. <i>PPAR Research</i> , 2008, 2008, 1-8.	1.1	60
24	Mrp14 Deficiency Ameliorates Amyloid β Burden by Increasing Microglial Phagocytosis and Modulation of Amyloid Precursor Protein Processing. <i>Journal of Neuroscience</i> , 2012, 32, 17824-17829.	1.7	60
25	Formation of Pmel17 Amyloid Is Regulated by Juxtamembrane Metalloproteinase Cleavage, and the Resulting C-terminal Fragment Is a Substrate for β -Secretase. <i>Journal of Biological Chemistry</i> , 2009, 284, 2296-2306.	1.6	55
26	PPAR γ and RXR γ ligands act synergistically as potent antineoplastic agents <i>in vitro</i> and <i>in vivo</i> glioma models. <i>Journal of Neurochemistry</i> , 2009, 109, 1779-1790.	2.1	55
27	Ear2 Deletion Causes Early Memory and Learning Deficits in APP/PS1 Mice. <i>Journal of Neuroscience</i> , 2014, 34, 8845-8854.	1.7	54
28	Imaging microglial activation and glucose consumption in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 351-354.	1.5	52
29	Locus coeruleus degeneration exacerbates olfactory deficits in APP/PS1 transgenic mice. <i>Neurobiology of Aging</i> , 2012, 33, 426.e1-426.e11.	1.5	47
30	Microglial PD β 1 stimulation by astrocytic PD β 1 suppresses neuroinflammation and Alzheimer's disease pathology. <i>EMBO Journal</i> , 2021, 40, e108662.	3.5	41
31	Inhibitors of Rho-kinase modulate amyloid- β ($A\beta$) secretion but lack selectivity for $A\beta$ 242. <i>Journal of Neurochemistry</i> , 2006, 96, 355-365.	2.1	37
32	Pan-PPAR Modulation Effectively Protects APP/PS1 Mice from Amyloid Deposition and Cognitive Deficits. <i>Molecular Neurobiology</i> , 2015, 51, 661-671.	1.9	35
33	Dysregulation of TLR5 and TAM Ligands in the Alzheimer's Brain as Contributors to Disease Progression. <i>Molecular Neurobiology</i> , 2019, 56, 6539-6550.	1.9	31
34	Binding and Selective Detection of the Secretory N-terminal Domain of the Alzheimer Amyloid Precursor Protein on Cell Surfaces. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 373-382.	1.3	27
35	SFRP1 modulates astrocyte-microglia crosstalk in acute and chronic neuroinflammation. <i>EMBO Reports</i> , 2021, 22, e51696.	2.0	27
36	Nitric Oxide Decreases the Enzymatic Activity of Insulin Degrading Enzyme in APP/PS1 Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 165-172.	2.1	24

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37	The NMDA receptor antagonist Radiprodil reverses the synaptotoxic effects of different amyloid-beta (A β) species on long-term potentiation (LTP). <i>Neuropharmacology</i> , 2018, 140, 184-192.	2.0	22
38	Restraint stress increases neuroinflammation independently of amyloid β levels in amyloid precursor protein/PS1 transgenic mice. <i>Journal of Neurochemistry</i> , 2011, 116, 43-52.	2.1	16
39	Thyroglobulin type-I-like domains in invariant chain fusion proteins mediate resistance to cathepsin L digestion. <i>FEBS Letters</i> , 2000, 485, 67-70.	1.3	9
40	Proteome profiling of s-nitrosylated synaptosomal proteins by isobaric mass tags. <i>Journal of Neuroscience Methods</i> , 2017, 291, 95-100.	1.3	5