

Mikko Hiltunen

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

6,905
citations

218677

26
h-index

182427

51
g-index

58
all docs

58
docs citations

58
times ranked

12932
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease. <i>Nature Genetics</i> , 2013, 45, 1452-1458.	21.4	3,741
2	Rare coding variants in <i>PLCG2</i> , <i>ABI3</i> , and <i>TREM2</i> implicate microglial-mediated innate immunity in Alzheimer's disease. <i>Nature Genetics</i> , 2017, 49, 1373-1384.	21.4	783
3	Loss-of-function variants in <i>ABCA7</i> confer risk of Alzheimer's disease. <i>Nature Genetics</i> , 2015, 47, 445-447.	21.4	283
4	<i>PSEN1</i> Mutant iPSC-Derived Model Reveals Severe Astrocyte Pathology in Alzheimer's Disease. <i>Stem Cell Reports</i> , 2017, 9, 1885-1897.	4.8	239
5	Convergent genetic and expression data implicate immunity in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015, 11, 658-671.	0.8	173
6	Gene-Wide Analysis Detects Two New Susceptibility Genes for Alzheimer's Disease. <i>PLoS ONE</i> , 2014, 9, e94661.	2.5	155
7	Using online game-based platforms to improve student performance and engagement in histology teaching. <i>BMC Medical Education</i> , 2019, 19, 273.	2.4	106
8	Krebs cycle intermediates regulate DNA and histone methylation: Epigenetic impact on the aging process. <i>Ageing Research Reviews</i> , 2014, 16, 45-65.	10.9	95
9	Cerebrospinal Fluid Biomarker and Brain Biopsy Findings in Idiopathic Normal Pressure Hydrocephalus. <i>PLoS ONE</i> , 2014, 9, e91974.	2.5	91
10	Krebs cycle dysfunction shapes epigenetic landscape of chromatin: Novel insights into mitochondrial regulation of aging process. <i>Cellular Signalling</i> , 2014, 26, 1598-1603.	3.6	78
11	Impaired mitochondrial energy metabolism in Alzheimer's disease: Impact on pathogenesis via disturbed epigenetic regulation of chromatin landscape. <i>Progress in Neurobiology</i> , 2015, 131, 1-20.	5.7	74
12	Contribution of genetic and dietary insulin resistance to Alzheimer phenotype in APP/PS1 transgenic mice. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 1206-1222.	3.6	67
13	High Risk Population Isolate Reveals Low Frequency Variants Predisposing to Intracranial Aneurysms. <i>PLoS Genetics</i> , 2014, 10, e1004134.	3.5	55
14	Transcriptomics and mechanistic elucidation of Alzheimer's disease risk genes in the brain and in <i>in vitro</i> models. <i>Neurobiology of Aging</i> , 2015, 36, 1221.e15-1221.e28.	3.1	55
15	Down-regulation of Seladin-1 Increases BACE1 Levels and Activity through Enhanced GGA3 Depletion during Apoptosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 34433-34443.	3.4	54
16	L-Type Amino Acid Transporter 1 (LAT1/Lat1)-Utilizing Prodrugs Can Improve the Delivery of Drugs into Neurons, Astrocytes and Microglia. <i>Scientific Reports</i> , 2019, 9, 12860.	3.3	53
17	High-fat diet increases tau expression in the brain of T2DM and AD mice independently of peripheral metabolic status. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 634-641.	4.2	50
18	Effects of Alzheimer's Disease-Associated Risk Loci on Cerebrospinal Fluid Biomarkers and Disease Progression: A Polygenic Risk Score Approach. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 565-573.	2.6	49

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19	Hypoxia and GABA shunt activation in the pathogenesis of Alzheimer's disease. <i>Neurochemistry International</i> , 2016, 92, 13-24.	3.8	49
20	The Alzheimer's disease-associated protective Plc β 2-P522R variant promotes immune functions. <i>Molecular Neurodegeneration</i> , 2020, 15, 52.	10.8	48
21	Disease-modifying effect of atipamezole in a model of post-traumatic epilepsy. <i>Epilepsy Research</i> , 2017, 136, 18-34.	1.6	44
22	Amyloid- β 2 and Tau Dynamics in Human Brain Interstitial Fluid in Patients with Suspected Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 261-269.	2.6	39
23	Decreased plasma β 2-amyloid in the Alzheimer's disease <i>APP</i> 673T variant carriers. <i>Annals of Neurology</i> , 2017, 82, 128-132.	5.3	39
24	Caspase-8, association with Alzheimer's Disease and functional analysis of rare variants. <i>PLoS ONE</i> , 2017, 12, e0185777.	2.5	38
25	Incidence, Comorbidities, and Mortality in Idiopathic Normal Pressure Hydrocephalus. <i>World Neurosurgery</i> , 2018, 112, e624-e631.	1.3	37
26	DHCR24 exerts neuroprotection upon inflammation-induced neuronal death. <i>Journal of Neuroinflammation</i> , 2017, 14, 215.	7.2	34
27	Familial idiopathic normal pressure hydrocephalus. <i>Journal of the Neurological Sciences</i> , 2016, 368, 11-18.	0.6	30
28	Predicting Development of Alzheimer's Disease in Patients with Shunted Idiopathic Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1233-1243.	2.6	28
29	FRMD4A-cytoskeleton signaling modulates cellular release of Tau. <i>Journal of Cell Science</i> , 2016, 129, 2003-15.	2.0	27
30	Relationship between ubiquitin-1 and BACE1 in human Alzheimer's disease and APdE9 transgenic mouse brain and cell-based models. <i>Neurobiology of Disease</i> , 2016, 85, 187-205.	4.4	27
31	Reduction of epileptiform activity by valproic acid in a mouse model of Alzheimer's disease is not long-lasting after treatment discontinuation. <i>Epilepsy Research</i> , 2015, 112, 43-55.	1.6	24
32	Intranasal insulin activates Akt2 signaling pathway in the hippocampus of wild-type but not in APP/PS1 Alzheimer model mice. <i>Neurobiology of Aging</i> , 2019, 75, 98-108.	3.1	24
33	Diabetic phenotype in mouse and humans reduces the number of microglia around β 2-amyloid plaques. <i>Molecular Neurodegeneration</i> , 2020, 15, 66.	10.8	22
34	Multimodal analysis to predict shunt surgery outcome of 284 patients with suspected idiopathic normal pressure hydrocephalus. <i>Acta Neurochirurgica</i> , 2016, 158, 2311-2319.	1.7	21
35	The Expression of Transthyretin and Amyloid- β 2 Protein Precursor is Altered in the Brain of Idiopathic Normal Pressure Hydrocephalus Patients. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 959-968.	2.6	19
36	Genetic risk factors in Finnish patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 45, 39-43.	2.2	19

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37	C9orf72 Proteins Regulate Autophagy and Undergo Autophagosomal or Proteasomal Degradation in a Cell Type-Dependent Manner. <i>Cells</i> , 2019, 8, 1233.	4.1	19
38	SEPT8 modulates $\hat{1}^2$ -amyloidogenic processing of APP via affecting the sorting and accumulation of BACE1. <i>Journal of Cell Science</i> , 2016, 129, 2224-38.	2.0	15
39	Copy number loss in SFMBT1 is common among Finnish and Norwegian patients with iNPH. <i>Neurology: Genetics</i> , 2018, 4, e291.	1.9	14
40	S-[18F]THK-5117-PET and [11C]PIB-PET Imaging in Idiopathic Normal Pressure Hydrocephalus in Relation to Confirmed Amyloid- $\hat{1}^2$ Plaques and Tau in Brain Biopsies. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 171-179.	2.6	14
41	Increased $\hat{1}^3$ -Secretase Activity in Idiopathic Normal Pressure Hydrocephalus Patients with $\hat{1}^2$ -Amyloid Pathology. <i>PLoS ONE</i> , 2014, 9, e93717.	2.5	12
42	Neuropsychological Profile in the C9ORF72 Associated Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2017, 58, 479-489.	2.6	11
43	In Vitro and In Vivo Pipeline for Validation of Disease-Modifying Effects of Systems Biology-Derived Network Treatments for Traumatic Brain Injury—Lessons Learned. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5395.	4.1	9
44	Alzheimer's Disease-Related Polymorphisms in Shunt-Responsive Idiopathic Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1077-1085.	2.6	8
45	Involvement of ubiquilin-1 transcript variants in protein degradation and accumulation. <i>Communicative and Integrative Biology</i> , 2011, 4, 428-432.	1.4	6
46	Effects of Alzheimer's Disease-Associated Risk Loci on Amyloid- $\hat{1}^2$ Accumulation in the Brain of Idiopathic Normal Pressure Hydrocephalus Patients. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 995-1003.	2.6	6
47	Targeting Oxidative Stress with Antioxidant Duotherapy after Experimental Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10555.	4.1	6
48	KB-R7943, an inhibitor of the reverse $\text{Na}^+/\text{Ca}^{2+}$ exchanger, does not modify secondary pathology in the thalamus following focal cerebral stroke in rats. <i>Neuroscience Letters</i> , 2014, 580, 173-177.	2.1	5
49	Expression of C9orf72 hexanucleotide repeat expansion leads to formation of RNA foci and dipeptide repeat proteins but does not influence autophagy or proteasomal function in neuronal cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119021.	4.1	5
50	The role of the FTD-ALS associated C9orf72 expansion in suicide victims. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 589-592.	1.7	4
51	Genetic Risk Factors: Their Function and Comorbidities in Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-2.	2.0	1
52	O1-01-01: Cerebrospinal fluid biomarkers for Alzheimer's disease are associated with neuropathology in cortical brain biopsy. , 2012, 8, P83-P84.		0