

Abhay Sagare

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

10,477
citations

34
h-index

42
g-index

42
ext. papers

12,298
ext. citations

15.3
avg, IF

6.21
L-index

#	Paper	IF	Citations
39	Blood-brain barrier breakdown in the aging human hippocampus. <i>Neuron</i> , 2015 , 85, 296-302	13.9	1023
38	Blood-brain barrier breakdown in Alzheimer disease and other neurodegenerative disorders. <i>Nature Reviews Neurology</i> , 2018 , 14, 133-150	15	991
37	Pericytes control key neurovascular functions and neuronal phenotype in the adult brain and during brain aging. <i>Neuron</i> , 2010 , 68, 409-27	13.9	963
36	Apolipoprotein E controls cerebrovascular integrity via cyclophilin A. <i>Nature</i> , 2012 , 485, 512-6	50.4	813
35	LRP/amyloid beta-peptide interaction mediates differential brain efflux of A β isoforms. <i>Neuron</i> , 2004 , 43, 333-44	13.9	661
34	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019 , 25, 270-276	50.5	577
33	apoE isoform-specific disruption of amyloid beta peptide clearance from mouse brain. <i>Journal of Clinical Investigation</i> , 2008 , 118, 4002-13	15.9	509
32	Transport pathways for clearance of human Alzheimer's amyloid beta-peptide and apolipoproteins E and J in the mouse central nervous system. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 909-18	7.3	495
31	P-glycoprotein deficiency at the blood-brain barrier increases amyloid-beta deposition in an Alzheimer disease mouse model. <i>Journal of Clinical Investigation</i> , 2005 , 115, 3285-90	15.9	459
30	A multimodal RAGE-specific inhibitor reduces amyloid β -mediated brain disorder in a mouse model of Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1377-92	15.9	385
29	GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. <i>Nature Neuroscience</i> , 2015 , 18, 521-530	25.5	350
28	ALS-causing SOD1 mutants generate vascular changes prior to motor neuron degeneration. <i>Nature Neuroscience</i> , 2008 , 11, 420-2	25.5	341
27	Clearance of amyloid-beta by circulating lipoprotein receptors. <i>Nature Medicine</i> , 2007 , 13, 1029-31	50.5	330
26	Central role for PICALM in amyloid- β -blood-brain barrier transcytosis and clearance. <i>Nature Neuroscience</i> , 2015 , 18, 978-87	25.5	265
25	Role of the MEOX2 homeobox gene in neurovascular dysfunction in Alzheimer disease. <i>Nature Medicine</i> , 2005 , 11, 959-65	50.5	233
24	Pericyte degeneration causes white matter dysfunction in the mouse central nervous system. <i>Nature Medicine</i> , 2018 , 24, 326-337	50.5	211
23	SRF and myocardin regulate LRP-mediated amyloid-beta clearance in brain vascular cells. <i>Nature Cell Biology</i> , 2009 , 11, 143-53	23.4	202

22	IgG-assisted age-dependent clearance of Alzheimer's amyloid beta peptide by the blood-brain barrier neonatal Fc receptor. <i>Journal of Neuroscience</i> , 2005 , 25, 11495-503	6.6	198
21	Low-density lipoprotein receptor-related protein-1: a serial clearance homeostatic mechanism controlling Alzheimer's amyloid beta peptide elimination from the brain. <i>Journal of Neurochemistry</i> , 2010 , 115, 1077-89	6	173
20	The pericyte: a forgotten cell type with important implications for Alzheimer's disease?. <i>Brain Pathology</i> , 2014 , 24, 371-86	6	158
19	Blood-spinal cord barrier disruption contributes to early motor-neuron degeneration in ALS-model mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E1035-42	11.5	150
18	The role of the cell surface LRP and soluble LRP in blood-brain barrier Abeta clearance in Alzheimer's disease. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1601-5	3.3	142
17	Impaired vascular-mediated clearance of brain amyloid beta in Alzheimer's disease: the role, regulation and restoration of LRP1. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 136	5.3	117
16	Protein S controls hypoxic/ischemic blood-brain barrier disruption through the TAM receptor Tyro3 and sphingosine 1-phosphate receptor. <i>Blood</i> , 2010 , 115, 4963-72	2.2	86
15	Relationship between cyclophilin a levels and matrix metalloproteinase 9 activity in cerebrospinal fluid of cognitively normal apolipoprotein e4 carriers and blood-brain barrier breakdown. <i>JAMA Neurology</i> , 2013 , 70, 1198-200	17.2	83
14	Cerebrospinal fluid biomarkers of neurovascular dysfunction in mild dementia and Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1055-68	7.3	74
13	Shedding of soluble platelet-derived growth factor receptor-1 from human brain pericytes. <i>Neuroscience Letters</i> , 2015 , 607, 97-101	3.3	71
12	Endothelial protein C receptor-assisted transport of activated protein C across the mouse blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 25-33	7.3	54
11	Impaired lipoprotein receptor-mediated peripheral binding of plasma amyloid-beta is an early biomarker for mild cognitive impairment preceding Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2011 , 24, 25-34	4.3	53
10	Role of clusterin in the brain vascular clearance of amyloid-beta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8681-8682	11.5	52
9	Method for measurement of the blood-brain barrier permeability in the perfused mouse brain: application to amyloid-beta peptide in wild type and Alzheimer's Tg2576 mice. <i>Journal of Neuroscience Methods</i> , 2004 , 138, 233-42	3	48
8	Protein S protects neurons from excitotoxic injury by activating the TAM receptor Tyro3-phosphatidylinositol 3-kinase-Akt pathway through its sex hormone-binding globulin-like region. <i>Journal of Neuroscience</i> , 2010 , 30, 15521-34	6.6	45
7	Impaired spine formation and learning in GPCR kinase 2 interacting protein-1 (GIT1) knockout mice. <i>Brain Research</i> , 2010 , 1317, 218-26	3.7	37
6	3K3A-activated protein C blocks amyloidogenic BACE1 pathway and improves functional outcome in mice. <i>Journal of Experimental Medicine</i> , 2019 , 216, 279-293	16.6	35
5	Brain delivery of supplemental docosahexaenoic acid (DHA): A randomized placebo-controlled clinical trial. <i>EBioMedicine</i> , 2020 , 59, 102883	8.8	30

4	A lipoprotein receptor cluster IV mutant preferentially binds amyloid- β and regulates its clearance from the mouse brain. <i>Journal of Biological Chemistry</i> , 2013 , 288, 15154-66	5.4	29
3	From the liver to the blood-brain barrier: an interconnected system regulating brain amyloid- β levels. <i>Journal of Neuroscience Research</i> , 2011 , 89, 967-8	4.4	21
2	Can adjunctive therapies augment the efficacy of endovascular thrombolysis? A potential role for activated protein C. <i>Neuropharmacology</i> , 2018 , 134, 293-301	5.5	11
1	Protection of ischemic white matter and oligodendrocytes in mice by 3K3A-activated protein C. <i>Journal of Experimental Medicine</i> , 2022 , 219,	16.6	2