

Rashid Deane

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

17,513
citations

218662

26
h-index

454934

30
g-index

37
all docs

37
docs citations

37
times ranked

16973
citing authors

#	ARTICLE	IF	CITATIONS
1	A Paravascular Pathway Facilitates CSF Flow Through the Brain Parenchyma and the Clearance of Interstitial Solutes, Including Amyloid β . <i>Science Translational Medicine</i> , 2012, 4, 147ra111.	12.4	3,514
2	Sleep Drives Metabolite Clearance from the Adult Brain. <i>Science</i> , 2013, 342, 373-377.	12.6	3,478
3	RAGE mediates amyloid- β peptide transport across the blood-brain barrier and accumulation in brain. <i>Nature Medicine</i> , 2003, 9, 907-913.	30.7	1,277
4	Pericytes Control Key Neurovascular Functions and Neuronal Phenotype in the Adult Brain and during Brain Aging. <i>Neuron</i> , 2010, 68, 409-427.	8.1	1,192
5	Impairment of paravascular clearance pathways in the aging brain. <i>Annals of Neurology</i> , 2014, 76, 845-861.	5.3	964
6	Impairment of Glymphatic Pathway Function Promotes Tau Pathology after Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2014, 34, 16180-16193.	3.6	797
7	LRP/Amyloid β -Peptide Interaction Mediates Differential Brain Efflux of $A\beta$ Isoforms. <i>Neuron</i> , 2004, 43, 333-344.	8.1	752
8	apoE isoform-specific disruption of amyloid β peptide clearance from mouse brain. <i>Journal of Clinical Investigation</i> , 2008, 118, 4002-4013.	8.2	623
9	Transport Pathways for Clearance of Human Alzheimer's Amyloid β -Peptide and Apolipoproteins E and J in the Mouse Central Nervous System. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 909-918.	4.3	576
10	P-glycoprotein deficiency at the blood-brain barrier increases amyloid- β deposition in an Alzheimer disease mouse model. <i>Journal of Clinical Investigation</i> , 2005, 115, 3285-3290.	8.2	564
11	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, 1377-1392.	8.2	507
12	Biomarkers of Traumatic Injury Are Transported from Brain to Blood via the Glymphatic System. <i>Journal of Neuroscience</i> , 2015, 35, 518-526.	3.6	391
13	Suppression of glymphatic fluid transport in a mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2016, 93, 215-225.	4.4	377
14	RAGE (Yin) Versus LRP (Yang) Balance Regulates Alzheimer Amyloid β -Peptide Clearance Through Transport Across the Blood-Brain Barrier. <i>Stroke</i> , 2004, 35, 2628-2631.	2.0	362
15	Role of the Blood-Brain Barrier in the Pathogenesis of Alzheimers Disease. <i>Current Alzheimer Research</i> , 2007, 4, 191-197.	1.4	333
16	Direct neuronal glucose uptake heralds activity-dependent increases in cerebral metabolism. <i>Nature Communications</i> , 2015, 6, 6807.	12.8	279
17	Evaluating glymphatic pathway function utilizing clinically relevant intrathecal infusion of CSF tracer. <i>Journal of Translational Medicine</i> , 2013, 11, 107.	4.4	262
18	IgG-Assisted Age-Dependent Clearance of Alzheimer's Amyloid β Peptide by the Blood-Brain Barrier Neonatal Fc Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 11495-11503.	3.6	238

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19	Low levels of copper disrupt brain amyloid- β homeostasis by altering its production and clearance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14771-14776.	7.1	214
20	Glymphatic distribution of CSF-derived apoE into brain is isoform specific and suppressed during sleep deprivation. Molecular Neurodegeneration, 2016, 11, 74.	10.8	168
21	Paravascular microcirculation facilitates rapid lipid transport and astrocyte signaling in the brain. Scientific Reports, 2013, 3, 2582.	3.3	152
22	The pathophysiology underlying repetitive mild traumatic brain injury in a novel mouse model of chronic traumatic encephalopathy. , 2014, 5, 184.		124
23	Brain capillary endothelium and choroid plexus epithelium regulate transport of transferrin-bound and free iron into the rat brain. Journal of Neurochemistry, 2004, 88, 813-820.	3.9	94
24	Endothelial Protein C Receptor-Assisted Transport of Activated Protein C across the Mouse Blood-Brain Barrier. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 25-33.	4.3	64
25	Method for measurement of the blood-brain barrier permeability in the perfused mouse brain: application to amyloid- β peptide in wild type and Alzheimer's Tg2576 mice. Journal of Neuroscience Methods, 2004, 138, 233-242.	2.5	57
26	SARS-CoV-2: is there neuroinvasion?. Fluids and Barriers of the CNS, 2021, 18, 32.	5.0	43
27	Role of transthyretin in thyroxine transfer from cerebrospinal fluid to brain and choroid plexus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1310-R1315.	1.8	38
28	Cerebrospinal fluid drainage kinetics across the cribriform plate are reduced with aging. Fluids and Barriers of the CNS, 2020, 17, 71.	5.0	31
29	Transport of L-[125 I]Thyroxine by in Situ Perfused Ovine Choroid Plexus: Inhibition by Lead Exposure. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 435-451.	2.3	23
30	Spike protein multiorgan tropism suppressed by antibodies targeting SARS-CoV-2. Communications Biology, 2021, 4, 1318.	4.4	8
31	[EC-01-02]: Relationship Between CSF and Brain in Protein Clearance and Dementia. Alzheimer's and Dementia, 2017, 13, P180.	0.8	0
32	EC-01-01: BRAIN STATE AND CLEARANCE FROM THE PARENCHYMA. Alzheimer's and Dementia, 2018, 14, P210.	0.8	0
33	EC-04-01: PANEL DISCUSSION. , 2018, 14, P1399-P1399.		0
34	Response to the letter, entitled "Role of hemagglutinin esterase protein in neurological manifestation of COVID-19". Fluids and Barriers of the CNS, 2021, 18, 41.	5.0	0