Richard Daneman

List of Publications by Year
in descending order

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45 papers	14,437 citations	172207 29 h-index	253896 43 g-index
73 all docs	73 docs citations	73 times ranked	21394 citing authors

#	Article	IF	Citations
1	An RNA-Sequencing Transcriptome and Splicing Database of Glia, Neurons, and Vascular Cells of the Cerebral Cortex. Journal of Neuroscience, 2014, 34, 11929-11947.	1.7	4,119
2	The Bloodâ€“Brain Barrier. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020412.	2.3	2,107
3	Development, maintenance and disruption of the blood-brain barrier. Nature Medicine, 2013, 19, 1584-1596.	15.2	1,750
4	Pericytes are required for bloodâ€“brain barrier integrity during embryogenesis. Nature, 2010, 468, 562-566.	13.7	1,675
5	Wnt/Î²-catenin signaling is required for CNS, but not non-CNS, angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 641-646.	3.3	624
6	The bloodâ€“brain barrier in health and disease. Annals of Neurology, 2012, 72, 648-672.	2.8	592
7	The Mouse Blood-Brain Barrier Transcriptome: A New Resource for Understanding the Development and Function of Brain Endothelial Cells. PLoS ONE, 2010, 5, e13741.	1.1	481
8	The bloodâ€“brain barrier in health and disease: Important unanswered questions. Journal of Experimental Medicine, 2020, 217, .	4.2	365
9	Oligodendrocyte precursors migrate along vasculature in the developing nervous system. Science, 2016, 351, 379-384.	6.0	319
10	Oligodendrocyte-Encoded HIF Function Couples Postnatal Myelination and White Matter Angiogenesis. Cell, 2014, 158, 383-396.	13.5	314
11	Profiling the mouse brain endothelial transcriptome in health and disease models reveals a core bloodâ€“brain barrier dysfunction module. Nature Neuroscience, 2019, 22, 1892-1902.	7.1	225
12	Formation and maintenance of the BBB. Mechanisms of Development, 2015, 138, 8-16.	1.7	170
13	Delivering genes across the blood-brain barrier: LY6A, a novel cellular receptor for AAV-PHP.B capsids. PLoS ONE, 2019, 14, e0225206.	1.1	145
14	Human pluripotent stem cellâ€“derived brain pericyteâ€“like cells induce blood-brain barrier properties. Science Advances, 2019, 5, eaau7375.	4.7	135
15	CNS fibroblasts form a fibrotic scar in response to immune cell infiltration. Nature Neuroscience, 2021, 24, 234-244.	7.1	120
16	The Gut Immune Barrier and the Blood-Brain Barrier: Are They So Different?. Immunity, 2009, 31, 722-735.	6.6	111
17	LSR/angulin-1 is a tricellular tight junction protein involved in bloodâ€“brain barrier formation. Journal of Cell Biology, 2015, 208, 703-711.	2.3	108
18	Specification of CNS macrophage subsets occurs postnatally in defined niches. Nature, 2022, 604, 740-748.	13.7	107

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19	â€˜Sealing off the CNSâ€™: cellular and molecular regulation of bloodâ€“brain barriergenesis. Current Opinion in Neurobiology, 2013, 23, 1057-1064.	2.0	93
20	Neuronal Activity Regulates Blood-Brain Barrier Efflux Transport through Endothelial Circadian Genes. Neuron, 2020, 108, 937-952.e7.	3.8	86
21	Experimental Cerebral Malaria Pathogenesisâ€”Hemodynamics at the Blood Brain Barrier. PLoS Pathogens, 2014, 10, e1004528.	2.1	83
22	Emerging roles for CNS fibroblasts in health, injury and disease. Nature Reviews Neuroscience, 2022, 23, 23-34.	4.9	74
23	Altered cargo proteins of human plasma endothelial cellâ€“derived exosomes in atherosclerotic cerebrovascular disease. FASEB Journal, 2017, 31, 3689-3694.	0.2	71
24	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. Science, 2022, 375, eabm4459.	6.0	67
25	Foxc1 is required by pericytes during fetal brain angiogenesis. Biology Open, 2013, 2, 647-659.	0.6	64
26	The Blood-Brain Barrierâ€” Lessons from Moody Flies. Cell, 2005, 123, 9-12.	13.5	53
27	Evolutionarily Conserved Roles for Blood-Brain Barrier Xenobiotic Transporters in Endogenous Steroid Partitioning and Behavior. Cell Reports, 2017, 21, 1304-1316.	2.9	48
28	Regulation of Intrinsic Axon Growth Ability at Retinal Ganglion Cell Growth Cones. , 2014, 55, 4369.		44
29	Activation of RARÎ±, RARÎ³, or RXRÎ± Increases Barrier Tightness in Human Induced Pluripotent Stem Cellâ€Derived Brain Endothelial Cells. Biotechnology Journal, 2018, 13, 1700093.	1.8	39
30	Brain barriers in health and disease. Neurobiology of Disease, 2017, 107, 1-3.	2.1	34
31	Distinct features of brain perivascular fibroblasts and mural cells revealed by in vivo two-photon imaging. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 966-978.	2.4	33
32	Astrocytes propel neurovascular dysfunction during cerebral cavernous malformation lesion formation. Journal of Clinical Investigation, 2021, 131, .	3.9	32
33	Dissecting gene expression at the blood-brain barrier. Frontiers in Neuroscience, 2014, 8, 355.	1.4	30
34	Genetic mouse models to study bloodâ€“brain barrier development and function. Fluids and Barriers of the CNS, 2013, 10, 3.	2.4	28
35	Peripheral and central neuronal ATF3 precedes CD4+ T-cell infiltration in EAE. Experimental Neurology, 2016, 283, 224-234.	2.0	24
36	A Basic ApoE-Based Peptide Mediator to Deliver Proteins across the Blood-Brain Barrier: Long-Term Efficacy, Toxicity, and Mechanism. Molecular Therapy, 2017, 25, 1531-1543.	3.7	24

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37	The amazing brain drain. Journal of Experimental Medicine, 2017, 214, 3469-3470.	4.2	7
38	Multidimensional Proteome Profiling of Blood-Brain Barrier Perturbation by Group BStreptococcus. MSystems, 2020, 5, .	1.7	7
39	Purification and Culture of Central Nervous System Pericytes. Cold Spring Harbor Protocols, 2014, 2014, pdb.top070888-pdb.top070888.	0.2	5
40	Unexpected amount of blood-borne protein enters the young brain. Nature, 2020, 583, 362-363.	13.7	5
41	Purification of Pericytes from Rodent Optic Nerve by Immunopanning. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot074955-pdb.prot074955.	0.2	4
42	Finding NMO. Neurology: Neuroimmunology and NeuroInflammation, 2017, 4, e313.	3.1	4
43	Emerging roles for CNS fibroblasts in health, injury and disease. Nature Reviews Neuroscience, 2021, , .	4.9	2
44	High endothelial venules through a transcriptomics lens. Nature Immunology, 2014, 15, 906-908.	7.0	1
45	Roles for pericytes at the neurovascular unit. FASEB Journal, 2013, 27, 320.2.	0.2	0