

Richard Daneman

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Emerging roles for CNS fibroblasts in health, injury and disease. <i>Nature Reviews Neuroscience</i> , 2022, 23, 23-34. | 4.9 | 74 |
| 2 | Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. <i>Science</i> , 2022, 375, eabm4459. | 6.0 | 67 |
| 3 | Distinct features of brain perivascular fibroblasts and mural cells revealed by <i>in vivo</i> two-photon imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 966-978. | 2.4 | 33 |
| 4 | Specification of CNS macrophage subsets occurs postnatally in defined niches. <i>Nature</i> , 2022, 604, 740-748. | 13.7 | 107 |
| 5 | CNS fibroblasts form a fibrotic scar in response to immune cell infiltration. <i>Nature Neuroscience</i> , 2021, 24, 234-244. | 7.1 | 120 |
| 6 | Astrocytes propel neurovascular dysfunction during cerebral cavernous malformation lesion formation. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 3.9 | 32 |
| 7 | Emerging roles for CNS fibroblasts in health, injury and disease. <i>Nature Reviews Neuroscience</i> , 2021, , . | 4.9 | 2 |
| 8 | Neuronal Activity Regulates Blood-Brain Barrier Efflux Transport through Endothelial Circadian Genes. <i>Neuron</i> , 2020, 108, 937-952.e7. | 3.8 | 86 |
| 9 | The blood-brain barrier in health and disease: Important unanswered questions. <i>Journal of Experimental Medicine</i> , 2020, 217, . | 4.2 | 365 |
| 10 | Multidimensional Proteome Profiling of Blood-Brain Barrier Perturbation by Group B <i>Streptococcus</i> . <i>MSystems</i> , 2020, 5, . | 1.7 | 7 |
| 11 | Unexpected amount of blood-borne protein enters the young brain. <i>Nature</i> , 2020, 583, 362-363. | 13.7 | 5 |
| 12 | Profiling the mouse brain endothelial transcriptome in health and disease models reveals a core blood-brain barrier dysfunction module. <i>Nature Neuroscience</i> , 2019, 22, 1892-1902. | 7.1 | 225 |
| 13 | Delivering genes across the blood-brain barrier: LY6A, a novel cellular receptor for AAV-PHP.B capsids. <i>PLoS ONE</i> , 2019, 14, e0225206. | 1.1 | 145 |
| 14 | Human pluripotent stem cell-derived brain pericyte-like cells induce blood-brain barrier properties. <i>Science Advances</i> , 2019, 5, eaau7375. | 4.7 | 135 |
| 15 | Activation of RAR α , RAR β , or RXR α Increases Barrier Tightness in Human Induced Pluripotent Stem Cell-Derived Brain Endothelial Cells. <i>Biotechnology Journal</i> , 2018, 13, 1700093. | 1.8 | 39 |
| 16 | Altered cargo proteins of human plasma endothelial cell-derived exosomes in atherosclerotic cerebrovascular disease. <i>FASEB Journal</i> , 2017, 31, 3689-3694. | 0.2 | 71 |
| 17 | A Basic ApoE-Based Peptide Mediator to Deliver Proteins across the Blood-Brain Barrier: Long-Term Efficacy, Toxicity, and Mechanism. <i>Molecular Therapy</i> , 2017, 25, 1531-1543. | 3.7 | 24 |
| 18 | Brain barriers in health and disease. <i>Neurobiology of Disease</i> , 2017, 107, 1-3. | 2.1 | 34 |

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|----|--|------|-----------|
| 19 | Finding NMO. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017, 4, e313. | 3.1 | 4 |
| 20 | Evolutionarily Conserved Roles for Blood-Brain Barrier Xenobiotic Transporters in Endogenous Steroid Partitioning and Behavior. <i>Cell Reports</i> , 2017, 21, 1304-1316. | 2.9 | 48 |
| 21 | The amazing brain drain. <i>Journal of Experimental Medicine</i> , 2017, 214, 3469-3470. | 4.2 | 7 |
| 22 | Peripheral and central neuronal ATF3 precedes CD4+ T-cell infiltration in EAE. <i>Experimental Neurology</i> , 2016, 283, 224-234. | 2.0 | 24 |
| 23 | Oligodendrocyte precursors migrate along vasculature in the developing nervous system. <i>Science</i> , 2016, 351, 379-384. | 6.0 | 319 |
| 24 | The Blood-Brain Barrier. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015, 7, a020412. | 2.3 | 2,107 |
| 25 | Formation and maintenance of the BBB. <i>Mechanisms of Development</i> , 2015, 138, 8-16. | 1.7 | 170 |
| 26 | LSR/angulin-1 is a tricellular tight junction protein involved in blood-brain barrier formation. <i>Journal of Cell Biology</i> , 2015, 208, 703-711. | 2.3 | 108 |
| 27 | Dissecting gene expression at the blood-brain barrier. <i>Frontiers in Neuroscience</i> , 2014, 8, 355. | 1.4 | 30 |
| 28 | High endothelial venules through a transcriptomics lens. <i>Nature Immunology</i> , 2014, 15, 906-908. | 7.0 | 1 |
| 29 | Experimental Cerebral Malaria Pathogenesis Hemodynamics at the Blood Brain Barrier. <i>PLoS Pathogens</i> , 2014, 10, e1004528. | 2.1 | 83 |
| 30 | Regulation of Intrinsic Axon Growth Ability at Retinal Ganglion Cell Growth Cones. , 2014, 55, 4369. | | 44 |
| 31 | Purification and Culture of Central Nervous System Pericytes. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top070888-pdb.top070888. | 0.2 | 5 |
| 32 | Purification of Pericytes from Rodent Optic Nerve by Immunopanning. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot074955-pdb.prot074955. | 0.2 | 4 |
| 33 | Oligodendrocyte-Encoded HIF Function Couples Postnatal Myelination and White Matter Angiogenesis. <i>Cell</i> , 2014, 158, 383-396. | 13.5 | 314 |
| 34 | An RNA-Sequencing Transcriptome and Splicing Database of Glia, Neurons, and Vascular Cells of the Cerebral Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 11929-11947. | 1.7 | 4,119 |
| 35 | Development, maintenance and disruption of the blood-brain barrier. <i>Nature Medicine</i> , 2013, 19, 1584-1596. | 15.2 | 1,750 |
| 36 | Sealing off the CNS: cellular and molecular regulation of blood-brain barrierogenesis. <i>Current Opinion in Neurobiology</i> , 2013, 23, 1057-1064. | 2.0 | 93 |

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|----|--|------|-----------|
| 37 | Genetic mouse models to study blood-brain barrier development and function. <i>Fluids and Barriers of the CNS</i> , 2013, 10, 3. | 2.4 | 28 |
| 38 | Foxc1 is required by pericytes during fetal brain angiogenesis. <i>Biology Open</i> , 2013, 2, 647-659. | 0.6 | 64 |
| 39 | Roles for pericytes at the neurovascular unit. <i>FASEB Journal</i> , 2013, 27, 320.2. | 0.2 | 0 |
| 40 | The blood-brain barrier in health and disease. <i>Annals of Neurology</i> , 2012, 72, 648-672. | 2.8 | 592 |
| 41 | The Mouse Blood-Brain Barrier Transcriptome: A New Resource for Understanding the Development and Function of Brain Endothelial Cells. <i>PLoS ONE</i> , 2010, 5, e13741. | 1.1 | 481 |
| 42 | Pericytes are required for blood-brain barrier integrity during embryogenesis. <i>Nature</i> , 2010, 468, 562-566. | 13.7 | 1,675 |
| 43 | The Gut Immune Barrier and the Blood-Brain Barrier: Are They So Different?. <i>Immunity</i> , 2009, 31, 722-735. | 6.6 | 111 |
| 44 | Wnt/ β -catenin signaling is required for CNS, but not non-CNS, angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 641-646. | 3.3 | 624 |
| 45 | The Blood-Brain Barrier—Lessons from Moody Flies. <i>Cell</i> , 2005, 123, 9-12. | 13.5 | 53 |