

# BerisÅ,av V ZlokoviÄ

## List of Publications by Year in descending order

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274  
papers

51,102  
citations

2203

99  
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1561

217  
g-index

290  
all docs

290  
docs citations

290  
times ranked

37103  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Blood-Brain Barrier in Health and Chronic Neurodegenerative Disorders. <i>Neuron</i> , 2008, 57, 178-201.	3.8	2,712
2	Neurovascular pathways to neurodegeneration in Alzheimer's disease and other disorders. <i>Nature Reviews Neuroscience</i> , 2011, 12, 723-738.	4.9	2,254
3	Blood-brain barrier breakdown in Alzheimer disease and other neurodegenerative disorders. <i>Nature Reviews Neurology</i> , 2018, 14, 133-150.	4.9	1,731
4	Blood-Brain Barrier Breakdown in the Aging Human Hippocampus. <i>Neuron</i> , 2015, 85, 296-302.	3.8	1,436
5	RAGE mediates amyloid- $\beta$ peptide transport across the blood-brain barrier and accumulation in brain. <i>Nature Medicine</i> , 2003, 9, 907-913.	15.2	1,277
6	Blood-Brain Barrier: From Physiology to Disease and Back. <i>Physiological Reviews</i> , 2019, 99, 21-78.	13.1	1,232
7	Clearance of Alzheimer's amyloid- $\beta$ 1-40 peptide from brain by LDL receptor-related protein-1 at the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2000, 106, 1489-1499.	3.9	1,213
8	Pericytes Control Key Neurovascular Functions and Neuronal Phenotype in the Adult Brain and during Brain Aging. <i>Neuron</i> , 2010, 68, 409-427.	3.8	1,192
9	Establishment and Dysfunction of the Blood-Brain Barrier. <i>Cell</i> , 2015, 163, 1064-1078.	13.5	1,146
10	Clearance systems in the brain—implications for Alzheimer disease. <i>Nature Reviews Neurology</i> , 2015, 11, 457-470.	4.9	1,127
11	Apolipoprotein E controls cerebrovascular integrity via cyclophilin A. <i>Nature</i> , 2012, 485, 512-516.	13.7	1,019
12	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. <i>Nature Medicine</i> , 2019, 25, 270-276.	15.2	987
13	Neurovascular mechanisms of Alzheimer's neurodegeneration. <i>Trends in Neurosciences</i> , 2005, 28, 202-208.	4.2	856
14	Cerebral blood flow regulation and neurovascular dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2017, 18, 419-434.	4.9	842
15	Central nervous system pericytes in health and disease. <i>Nature Neuroscience</i> , 2011, 14, 1398-1405.	7.1	806
16	Neurovascular mechanisms and blood-brain barrier disorder in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2009, 118, 103-113.	3.9	769
17	Pericytes of the neurovascular unit: key functions and signaling pathways. <i>Nature Neuroscience</i> , 2016, 19, 771-783.	7.1	766
18	LRP/Amyloid $\beta$ -Peptide Interaction Mediates Differential Brain Efflux of $A\beta$ Isoforms. <i>Neuron</i> , 2004, 43, 333-344.	3.8	752

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19	The cytoprotective protein C pathway. <i>Blood</i> , 2007, 109, 3161-3172.	0.6	714
20	APOE4 leads to blood-brain barrier dysfunction predicting cognitive decline. <i>Nature</i> , 2020, 581, 71-76.	13.7	705
21	apoE isoform-specific disruption of amyloid $\beta$ peptide clearance from mouse brain. <i>Journal of Clinical Investigation</i> , 2008, 118, 4002-4013.	3.9	623
22	The role of brain vasculature in neurodegenerative disorders. <i>Nature Neuroscience</i> , 2018, 21, 1318-1331.	7.1	612
23	Endothelial Cell Protein C Receptor. <i>Circulation Research</i> , 2007, 100, 155-157.	2.0	601
24	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, 909-918.	2.4	576
25	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, 3285-3290.	3.9	564
26	Activated protein C blocks p53-mediated apoptosis in ischemic human brain endothelium and is neuroprotective. <i>Nature Medicine</i> , 2003, 9, 338-342.	15.2	556
27	A multimodal RAGE-specific inhibitor reduces amyloid $\beta$ -mediated brain disorder in a mouse model of Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2012, 122, 1377-1392.	3.9	507
28	GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. <i>Nature Neuroscience</i> , 2015, 18, 521-530.	7.1	496
29	Alzheimer's disease: A matter of blood-brain barrier dysfunction?. <i>Journal of Experimental Medicine</i> , 2017, 214, 3151-3169.	4.2	467
30	Accelerated pericyte degeneration and blood-brain barrier breakdown in apolipoprotein E4 carriers with Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 216-227.	2.4	464
31	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015, 11, 710-717.	0.4	461
32	Vascular dysfunction - The disregarded partner of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 158-167.	0.4	454
33	Haploinsufficiency leads to neurodegeneration in C9ORF72 ALS/FTD human induced motor neurons. <i>Nature Medicine</i> , 2018, 24, 313-325.	15.2	445
34	Zika Virus NS4A and NS4B Proteins Deregulate Akt-mTOR Signaling in Human Fetal Neural Stem Cells to Inhibit Neurogenesis and Induce Autophagy. <i>Cell Stem Cell</i> , 2016, 19, 663-671.	5.2	437
35	ALS-causing SOD1 mutants generate vascular changes prior to motor neuron degeneration. <i>Nature Neuroscience</i> , 2008, 11, 420-422.	7.1	409
36	Deficiency in Mural Vascular Cells Coincides with Blood-Brain Barrier Disruption in Alzheimer's Disease. <i>Brain Pathology</i> , 2013, 23, 303-310.	2.1	409

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37	Neurovascular dysfunction and neurodegeneration in dementia and Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 887-900.	1.8	405
38	Perivascular spaces in the brain: anatomy, physiology and pathology. <i>Nature Reviews Neurology</i> , 2020, 16, 137-153.	4.9	405
39	Pericyte degeneration leads to neurovascular uncoupling and limits oxygen supply to brain. <i>Nature Neuroscience</i> , 2017, 20, 406-416.	7.1	383
40	Clearance of amyloid- $\beta^2$ by circulating lipoprotein receptors. <i>Nature Medicine</i> , 2007, 13, 1029-1031.	15.2	381
41	RAGE (Yin) Versus LRP (Yang) Balance Regulates Alzheimer Amyloid $\beta$ -Peptide Clearance Through Transport Across the Blood-Brain Barrier. <i>Stroke</i> , 2004, 35, 2628-2631.	1.0	362
42	Central role for PICALM in amyloid- $\beta^2$ blood-brain barrier transcytosis and clearance. <i>Nature Neuroscience</i> , 2015, 18, 978-987.	7.1	334
43	Role of the Blood-Brain Barrier in the Pathogenesis of Alzheimers Disease. <i>Current Alzheimer Research</i> , 2007, 4, 191-197.	0.7	333
44	Clearing amyloid through the blood-brain barrier. <i>Journal of Neurochemistry</i> , 2004, 89, 807-811.	2.1	324
45	Early-onset and Robust Cerebral Microvascular Accumulation of Amyloid $\beta^2$ -Protein in Transgenic Mice Expressing Low Levels of a Vasculotropic Dutch/Iowa Mutant Form of Amyloid $\beta^2$ -Protein Precursor. <i>Journal of Biological Chemistry</i> , 2004, 279, 20296-20306.	1.6	315
46	Role of the MEOX2 homeobox gene in neurovascular dysfunction in Alzheimer disease. <i>Nature Medicine</i> , 2005, 11, 959-965.	15.2	274
47	Pericyte-specific expression of PDGF beta receptor in mouse models with normal and deficient PDGF beta receptor signaling. <i>Molecular Neurodegeneration</i> , 2010, 5, 32.	4.4	274
48	Bloodâ€“spinal cord barrier breakdown and pericyte reductions in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2013, 125, 111-120.	3.9	263
49	Pericyte loss leads to circulatory failure and pleiotrophin depletion causing neuron loss. <i>Nature Neuroscience</i> , 2019, 22, 1089-1098.	7.1	246
50	Activated Protein C Prevents Neuronal Apoptosis via Protease Activated Receptors 1 and 3. <i>Neuron</i> , 2004, 41, 563-572.	3.8	243
51	Activated protein C inhibits tissue plasminogen activatorâ€“induced brain hemorrhage. <i>Nature Medicine</i> , 2006, 12, 1278-1285.	15.2	243
52	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, 11495-11503.	1.7	238
53	SRF and myocardin regulate LRP-mediated amyloid- $\beta^2$ clearance in brain vascular cells. <i>Nature Cell Biology</i> , 2009, 11, 143-153.	4.6	237
54	Coupling of Angiogenesis and Neurogenesis in Cultured Endothelial Cells and Neural Progenitor Cells after Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 764-771.	2.4	230

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55	Apolipoprotein J (clusterin) and Alzheimer's disease. <i>Microscopy Research and Technique</i> , 2000, 50, 305-315.	1.2	226
56	Cerebrovascular Effects of Apolipoprotein E. <i>JAMA Neurology</i> , 2013, 70, 440.	4.5	218
57	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, 1077-1089.	2.1	212
58	Activated protein C: biased for translation. <i>Blood</i> , 2015, 125, 2898-2907.	0.6	212
59	Understanding the role of the perivascular space in cerebral small vessel disease. <i>Cardiovascular Research</i> , 2018, 114, 1462-1473.	1.8	211
60	Neurovascular Dysfunction and Faulty Amyloid $\beta$ -Peptide Clearance in Alzheimer Disease. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a011452-a011452.	2.9	207
61	Tissue plasminogen activator neurovascular toxicity is controlled by activated protein C. <i>Nature Medicine</i> , 2004, 10, 1379-1383.	15.2	205
62	Anti-Inflammatory, Antithrombotic, and Neuroprotective Effects of Activated Protein C in a Murine Model of Focal Ischemic Stroke. <i>Circulation</i> , 2001, 103, 1799-1805.	1.6	202
63	Preventing dementia by preventing stroke: The Berlin Manifesto. <i>Alzheimer's and Dementia</i> , 2019, 15, 961-984.	0.4	200
64	Hypertension Induces Brain $\beta$ -Amyloid Accumulation, Cognitive Impairment, and Memory Deterioration Through Activation of Receptor for Advanced Glycation End Products in Brain Vasculature. <i>Hypertension</i> , 2012, 60, 188-197.	1.3	199
65	The Pericyte: A Forgotten Cell Type with Important Implications for Alzheimer's Disease?. <i>Brain Pathology</i> , 2014, 24, 371-386.	2.1	198
66	Serum response factor and myocardin mediate arterial hypercontractility and cerebral blood flow dysregulation in Alzheimer's phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 823-828.	3.3	189
67	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.	3.3	188
68	Circulating Antibody against Tumor Necrosis Factor- $\alpha$ Protects Rat Brain from Reperfusion Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 52-58.	2.4	179
69	Neurodegeneration and the neurovascular unit. <i>Nature Medicine</i> , 2010, 16, 1370-1371.	15.2	174
70	Consensus statement for diagnosis of subcortical small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 6-25.	2.4	173
71	Blood-spinal Cord Barrier Pericyte Reductions Contribute to Increased Capillary Permeability. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 1841-1852.	2.4	171
72	Blood-brain barrier-associated pericytes internalize and clear aggregated amyloid- $\beta$ 42 by LRP1-dependent apolipoprotein E isoform-specific mechanism. <i>Molecular Neurodegeneration</i> , 2018, 13, 57.	4.4	164

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73	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.	1.7	160
74	Brain imaging of neurovascular dysfunction in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 131, 687-707.	3.9	160
75	Activated protein C therapy slows ALS-like disease in mice by transcriptionally inhibiting SOD1 in motor neurons and microglia cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 3437-49.	3.9	158
76	Preferential Susceptibility of Brain Tumors to the Antiangiogenic Effects of an $\alpha_v$ Integrin Antagonist. <i>Neurosurgery</i> , 2001, 48, 151-157.	0.6	157
77	Differential Regulation of Leptin Transport by the Choroid Plexus and Blood-Brain Barrier and High Affinity Transport Systems for Entry into Hypothalamus and Across the Blood-Cerebrospinal Fluid Barrier*. <i>Endocrinology</i> , 2000, 141, 1434-1441.	1.4	147
78	Two-Photon Imaging of Astrocytic Ca <sup>2+</sup> Signaling and the Microvasculature in Experimental Mice Models of Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 2007, 1097, 40-50.	1.8	145
79	Isoform-specific Effects of Apolipoproteins E2, E3, and E4 on Cerebral Capillary Sequestration and Blood-Brain Barrier Transport of Circulating Alzheimer's Amyloid $\beta$ . <i>Journal of Neurochemistry</i> , 1997, 69, 1995-2004.	2.1	138
80	New Therapeutic Targets in the Neurovascular Pathway in Alzheimer's Disease. <i>Neurotherapeutics</i> , 2008, 5, 409-414.	2.1	138
81	Low-density lipoprotein receptor overexpression enhances the rate of brain-to-blood $A\beta$ clearance in a mouse model of $\beta$ -amyloidosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15502-15507.	3.3	138
82	Cerebrovascular transport of Alzheimer's amyloid $\beta$ and apolipoproteins J and E: Possible anti-amyloidogenic role of the blood-brain barrier. <i>Life Sciences</i> , 1996, 59, 1483-1497.	2.0	135
83	Cytoprotective protein C pathways and implications for stroke and neurological disorders. <i>Trends in Neurosciences</i> , 2011, 34, 198-209.	4.2	129
84	A single-cell atlas of the normal and malformed human brain vasculature. <i>Science</i> , 2022, 375, eabi7377.	6.0	129
85	Cerebrovascular Accumulation and Increased Blood-Brain Barrier Permeability to Circulating Alzheimer's Amyloid $\beta$ Peptide in Aged Squirrel Monkey with Cerebral Amyloid Angiopathy. <i>Journal of Neurochemistry</i> , 1998, 70, 210-215.	2.1	128
86	Tissue Plasminogen Activator (tPA) Deficiency Exacerbates Cerebrovascular Fibrin Deposition and Brain Injury in a Murine Stroke Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2801-2806.	1.1	127
87	Circulating amyloid- $\beta$ peptide crosses the blood-brain barrier in aged monkeys and contributes to Alzheimer's disease lesions. <i>Vascular Pharmacology</i> , 2002, 38, 303-313.	1.0	127
88	Cerebrovascular permeability to peptides: manipulations of transport systems at the blood-brain barrier. <i>Pharmaceutical Research</i> , 1995, 12, 1395-1406.	1.7	124
89	Transport of Leucine-Enkephalin Across the Blood-Brain Barrier in the Perfused Guinea Pig Brain. <i>Journal of Neurochemistry</i> , 1987, 49, 310-315.	2.1	120
90	Cellular and Molecular Neurosurgery: Pathways from Concept to Reality-Part II: Vector Systems and Delivery Methodologies for Gene Therapy of the Central Nervous System. <i>Neurosurgery</i> , 1997, 40, 805-813.	0.6	117

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91	Final Results of the RHAPSODY Trial: A Multi-Center, Phase 2 Trial Using a Continual Reassessment Method to Determine the Safety and Tolerability of 3K3A-APC, A Recombinant Variant of Human Activated Protein C, in Combination with Tissue Plasminogen Activator, Mechanical Thrombectomy or both in Moderate to Severe Acute Ischemic Stroke. <i>Annals of Neurology</i> , 2019, 85, 125-136.	2.8	113
92	Myocardin Is Sufficient for a Smooth Muscle-Like Contractile Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1505-1510.	1.1	112
93	Blood-brain barrier permeability to leucine-enkephalin, d-Alanine <sup>2</sup> -d-leucine <sup>5</sup> -enkephalin and their N-terminal amino acid (tyrosine). <i>Brain Research</i> , 1985, 336, 125-132.	1.1	111
94	Protein C anticoagulant and cytoprotective pathways. <i>International Journal of Hematology</i> , 2012, 95, 333-345.	0.7	110
95	Chronic Nicotine Treatment Enhances Focal Ischemic Brain Injury and Depletes Free Pool of Brain Microvascular Tissue Plasminogen Activator in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 136-146.	2.4	109
96	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. <i>Alzheimer's and Dementia</i> , 2020, 16, 1714-1733.	0.4	108
97	Activated protein C alters cytosolic calcium flux in human brain endothelium via binding to endothelial protein C receptor and activation of protease activated receptor-1. <i>Blood</i> , 2003, 101, 4797-4801.	0.6	107
98	A simple method for isolation and characterization of mouse brain microvascular endothelial cells. <i>Journal of Neuroscience Methods</i> , 2003, 130, 53-63.	1.3	106
99	Activated Protein C Promotes Neovascularization and Neurogenesis in Postischemic Brain via Protease-Activated Receptor 1. <i>Journal of Neuroscience</i> , 2008, 28, 12788-12797.	1.7	104
100	Recommendations of the Alzheimer's Disease-Related Dementias Conference. <i>Neurology</i> , 2014, 83, 851-860.	1.5	103
101	Neurovascular Defects and Faulty Amyloid- $\beta$ Vascular Clearance in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 33, S87-S100.	1.2	100
102	Cellular and Molecular Neurosurgery: Pathways from Concept to Reality-Part I: Target Disorders and Concept Approaches to Gene Therapy of the Central Nervous System. <i>Neurosurgery</i> , 1997, 40, 789-804.	0.6	97
103	Shedding of soluble platelet-derived growth factor receptor- $\beta$ from human brain pericytes. <i>Neuroscience Letters</i> , 2015, 607, 97-101.	1.0	97
104	Neurovascular Pathways and Alzheimer Amyloid $\beta$ -peptide. <i>Brain Pathology</i> , 2005, 15, 78-83.	2.1	95
105	Protein S controls hypoxic/ischemic blood-brain barrier disruption through the TAM receptor Tyro3 and sphingosine 1-phosphate receptor. <i>Blood</i> , 2010, 115, 4963-4972.	0.6	95
106	Brain capillary endothelium and choroid plexus epithelium regulate transport of transferrin-bound and free iron into the rat brain. <i>Journal of Neurochemistry</i> , 2004, 88, 813-820.	2.1	94
107	Activated protein C, protease activated receptor 1, and neuroprotection. <i>Blood</i> , 2018, 132, 159-169.	0.6	94
108	Permeability of the blood-cerebrospinal fluid and blood-brain barriers to thyrotropin-releasing hormone. <i>Brain Research</i> , 1985, 358, 191-199.	1.1	93

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109	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.	4.5	93
110	Cerebrospinal Fluid Biomarkers of Neurovascular Dysfunction in Mild Dementia and Alzheimer'S Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1055-1068.	2.4	92
111	Brain Clearance of Alzheimer's Amyloid- $\beta$ 40 in the Squirrel Monkey: A SPECT Study in a Primate Model of Cerebral Amyloid Angiopathy. <i>Journal of Drug Targeting</i> , 2002, 10, 359-368.	2.1	89
112	3K3A-activated protein C stimulates postischemic neuronal repair by human neural stem cells in mice. <i>Nature Medicine</i> , 2016, 22, 1050-1055.	15.2	88
113	Cranial Suture Regeneration Mitigates Skull and Neurocognitive Defects in Craniosynostosis. <i>Cell</i> , 2021, 184, 243-256.e18.	13.5	88
114	Optimal acquisition and modeling parameters for accurate assessment of low $K_{trans}$ blood-brain barrier permeability using dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1967-1977.	1.9	87
115	Protein S Confers Neuronal Protection During Ischemic/Hypoxic Injury in Mice. <i>Circulation</i> , 2003, 107, 1791-1796.	1.6	86
116	Kinetic Analysis of Leucine-Enkephalin Cellular Uptake at the Luminal Side of the Blood-Brain Barrier of an In Situ Perfused Guinea-Pig Brain. <i>Journal of Neurochemistry</i> , 1989, 53, 1333-1340.	2.1	85
117	Activated protein C: Potential therapy for severe sepsis, thrombosis, and stroke. <i>Seminars in Hematology</i> , 2002, 39, 197-205.	1.8	85
118	Regional early and progressive loss of brain pericytes but not vascular smooth muscle cells in adult mice with disrupted platelet-derived growth factor receptor- $\beta$ signaling. <i>PLoS ONE</i> , 2017, 12, e0176225.	1.1	85
119	Blood-brain barrier uptake of the 40 and 42 amino acid sequences of circulating Alzheimer's amyloid $\beta$ in guinea pigs. <i>Neuroscience Letters</i> , 1996, 206, 157-160.	1.0	84
120	Neuroprotective activities of activated protein C mutant with reduced anticoagulant activity. <i>European Journal of Neuroscience</i> , 2009, 29, 1119-1130.	1.2	83
121	PAR1 biased signaling is required for activated protein C in vivo benefits in sepsis and stroke. <i>Blood</i> , 2018, 131, 1163-1171.	0.6	81
122	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.	3.3	79
123	Blood-Brain Barrier Permeability and Gadolinium. <i>JAMA Neurology</i> , 2016, 73, 13.	4.5	77
124	APOE4 accelerates advanced-stage vascular and neurodegenerative disorder in old Alzheimer's mice via cyclophilin A independently of amyloid- $\beta$ . <i>Nature Aging</i> , 2021, 1, 506-520.	5.3	77
125	Recombinant murine-activated protein C is neuroprotective in a murine ischemic stroke model. <i>Blood Cells, Molecules, and Diseases</i> , 2003, 30, 271-276.	0.6	71
126	Brain delivery of supplemental docosahexaenoic acid (DHA): A randomized placebo-controlled clinical trial. <i>EBioMedicine</i> , 2020, 59, 102883.	2.7	70



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127	Presence and Functional Activity of the Aryl Hydrocarbon Receptor in Isolated Murine Cerebral Vascular Endothelial Cells and Astrocytes. <i>NeuroToxicology</i> , 2004, 25, 605-616.	1.4	68
128	Evidence for the Existence of a Sodium-dependent Glutathione (GSH) Transporter. <i>Journal of Biological Chemistry</i> , 1996, 271, 9754-9758.	1.6	67
129	Functional recovery after embolic stroke in rodents by activated protein C. <i>Annals of Neurology</i> , 2005, 58, 474-477.	2.8	67
130	An Activated Protein C Analog With Reduced Anticoagulant Activity Extends the Therapeutic Window of Tissue Plasminogen Activator for Ischemic Stroke in Rodents. <i>Stroke</i> , 2012, 43, 2444-2449.	1.0	65
131	Endothelial Protein C Receptor-Assisted Transport of Activated Protein C across the Mouse Bloodâ€”Brain Barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 25-33.	2.4	64
132	Impaired Lipoprotein Receptor-Mediated Peripheral Binding of Plasma Amyloid-Î² is an Early Biomarker for Mild Cognitive Impairment Preceding Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 25-34.	1.2	63
133	ROCKETSHIP: a flexible and modular software tool for the planning, processing and analysis of dynamic MRI studies. <i>BMC Medical Imaging</i> , 2015, 15, 19.	1.4	63
134	Negative regulation of NF-Î±B activity by brain-specific TRlpartite Motif protein 9. <i>Nature Communications</i> , 2014, 5, 4820.	5.8	62
135	Phase 1 Safety, Tolerability and Pharmacokinetics of 3K3A-APC in Healthy Adult Volunteers. <i>Current Pharmaceutical Design</i> , 2014, 19, 7479-7485.	0.9	61
136	Experimental chronic cerebral hypoperfusion results in decreased pericyte coverage and increased bloodâ€”brain barrier permeability in the corpus callosum. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 240-250.	2.4	60
137	Associations between Vascular Function and Tau PET Are Associated with Global Cognition and Amyloid. <i>Journal of Neuroscience</i> , 2020, 40, 8573-8586.	1.7	60
138	Remodeling after stroke. <i>Nature Medicine</i> , 2006, 12, 390-391.	15.2	59
139	Endothelial LRP1 protects against neurodegeneration by blocking cyclophilin A. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	59
140	Expression of Tissue Plasminogen Activator in Cerebral Capillaries. <i>Neurosurgery</i> , 1995, 37, 955-960.	0.6	58
141	Method for measurement of the bloodâ€”brain barrier permeability in the perfused mouse brain: application to amyloid-Î² peptide in wild type and Alzheimerâ€™s Tg2576 mice. <i>Journal of Neuroscience Methods</i> , 2004, 138, 233-242.	1.3	57
142	Protein S Protects Neurons from Excitotoxic Injury by Activating the TAM Receptor Tyro3â€™Phosphatidylinositol 3-Kinaseâ€™Akt Pathway through Its Sex Hormone-Binding Globulin-Like Region. <i>Journal of Neuroscience</i> , 2010, 30, 15521-15534.	1.7	57
143	Vascular disorder in Alzheimerâ€™s disease: role in pathogenesis of dementia and therapeutic targets. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 1553-1559.	6.6	56
144	Activated Protein C Analog Protects From Ischemic Stroke and Extends the Therapeutic Window of Tissue-Type Plasminogen Activator in Aged Female Mice and Hypertensive Rats. <i>Stroke</i> , 2013, 44, 3529-3536.	1.0	56

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145	Channelrhodopsin Excitation Contracts Brain Pericytes and Reduces Blood Flow in the Aging Mouse Brain in vivo. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 108.	1.7	56
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