

William A Banks

List of Publications by Year in descending order

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550
papers

44,022
citations

1606

105
h-index

3563

181
g-index

569
all docs

569
docs citations

569
times ranked

39063
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of brain-derived neurotrophic factor across the blood-brain barrier. <i>Neuropharmacology</i> , 1998, 37, 1553-1561.	2.0	1,150
2	Leptin enters the brain by a saturable system independent of insulin. <i>Peptides</i> , 1996, 17, 305-311.	1.2	1,131
3	From blood-brain barrier to blood-brain interface: new opportunities for CNS drug delivery. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 275-292.	21.5	778
4	Ghrelin controls hippocampal spine synapse density and memory performance. <i>Nature Neuroscience</i> , 2006, 9, 381-388.	7.1	738
5	Glucagon-like peptide-1 receptor is involved in learning and neuroprotection. <i>Nature Medicine</i> , 2003, 9, 1173-1179.	15.2	722
6	Passage of Cytokines across the Blood-Brain Barrier. <i>NeuroImmunoModulation</i> , 1995, 2, 241-248.	0.9	661
7	Extent and Direction of Ghrelin Transport Across the Blood-Brain Barrier Is Determined by Its Unique Primary Structure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 822-827.	1.3	592
8	Murine tumor necrosis factor alpha is transported from blood to brain in the mouse. <i>Journal of Neuroimmunology</i> , 1993, 47, 169-176.	1.1	525
9	Characteristics of compounds that cross the blood-brain barrier. <i>BMC Neurology</i> , 2009, 9, S3.	0.8	520
10	Plasma exosomal β -synuclein is likely CNS-derived and increased in Parkinson's disease. <i>Acta Neuropathologica</i> , 2014, 128, 639-650.	3.9	504
11	Brain-immune communication pathways. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 727-735.	2.0	487
12	Blood-Brain Barrier Transport of Cytokines: A Mechanism for Neuropathology. <i>Current Pharmaceutical Design</i> , 2005, 11, 973-984.	0.9	460
13	Blood-Brain Barrier Dysfunction as a Cause and Consequence of Alzheimer's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1500-1513.	2.4	443
14	Insulin in the brain: There and back again. , 2012, 136, 82-93.		442
15	Triglycerides Induce Leptin Resistance at the Blood-Brain Barrier. <i>Diabetes</i> , 2004, 53, 1253-1260.	0.3	432
16	Strategies to advance translational research into brain barriers. <i>Lancet Neurology</i> , The, 2008, 7, 84-96.	4.9	432
17	The blood-brain barrier and immune function and dysfunction. <i>Neurobiology of Disease</i> , 2010, 37, 26-32.	2.1	416
18	The antioxidants α -lipoic acid and N-acetylcysteine reverse memory impairment and brain oxidative stress in aged SAMP8 mice. <i>Journal of Neurochemistry</i> , 2003, 84, 1173-1183.	2.1	415

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19	The source of cerebral insulin. <i>European Journal of Pharmacology</i> , 2004, 490, 5-12.	1.7	413
20	Macrophage exosomes as natural nanocarriers for protein delivery to inflamed brain. <i>Biomaterials</i> , 2017, 142, 1-12.	5.7	411
21	Penetration of interleukin-6 across the murine blood-brain barrier. <i>Neuroscience Letters</i> , 1994, 179, 53-56.	1.0	409
22	Lipopolysaccharide-induced blood-brain barrier disruption: roles of cyclooxygenase, oxidative stress, neuroinflammation, and elements of the neurovascular unit. <i>Journal of Neuroinflammation</i> , 2015, 12, 223.	3.1	405
23	Animal-Assisted Therapy and Loneliness in Nursing Homes: Use of Robotic versus Living Dogs. <i>Journal of the American Medical Directors Association</i> , 2008, 9, 173-177.	1.2	398
24	Clinical depression and inflammatory risk markers for coronary heart disease. <i>American Journal of Cardiology</i> , 2002, 90, 1279-1283.	0.7	391
25	Bidirectional transport of interleukin-1 alpha across the blood-brain barrier. <i>Brain Research Bulletin</i> , 1989, 23, 433-437.	1.4	345
26	Obesity and Hypertriglyceridemia Produce Cognitive Impairment. <i>Endocrinology</i> , 2008, 149, 2628-2636.	1.4	332
27	Impaired transport of leptin across the blood-brain barrier in obesity†. <i>Peptides</i> , 1999, 20, 1341-1345.	1.2	304
28	Role of the immune system in HIV-associated neuroinflammation and neurocognitive implications. <i>Brain, Behavior, and Immunity</i> , 2015, 45, 1-12.	2.0	297
29	The S1 protein of SARS-CoV-2 crosses the blood-brain barrier in mice. <i>Nature Neuroscience</i> , 2021, 24, 368-378.	7.1	295
30	Peptides and the blood-brain barrier: Lipophilicity as a predictor of permeability. <i>Brain Research Bulletin</i> , 1985, 15, 287-292.	1.4	283
31	Differential Permeability of the Blood-Brain Barrier to Two Pancreatic Peptides: Insulin and Amylin. <i>Peptides</i> , 1998, 19, 883-889.	1.2	283
32	Transport of Insulin Across the Blood-Brain Barrier: Saturability at Euglycemic Doses of Insulin. <i>Peptides</i> , 1997, 18, 1423-1429.	1.2	281
33	Minimal penetration of lipopolysaccharide across the murine blood-brain barrier. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 102-109.	2.0	277
34	Effects of leptin on memory processing. <i>Peptides</i> , 2006, 27, 1420-1425.	1.2	276
35	Neuroimmune Axes of the Blood-Brain Barriers and Blood-Brain Interfaces: Bases for Physiological Regulation, Disease States, and Pharmacological Interventions. <i>Pharmacological Reviews</i> , 2018, 70, 278-314.	7.1	242
36	The Effects of Animal-Assisted Therapy on Loneliness in an Elderly Population in Long-Term Care Facilities. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2002, 57, M428-M432.	1.7	237

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37	Transport of Extracellular Vesicles across the Blood-Brain Barrier: Brain Pharmacokinetics and Effects of Inflammation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4407.	1.8	236
38	Release of cytokines by brain endothelial cells: A polarized response to lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 449-455.	2.0	232
39	Characterization of Short Isoforms of the Leptin Receptor in Rat Cerebral Microvessels and of Brain Uptake of Leptin in Mouse Models of Obesity. <i>Endocrinology</i> , 2002, 143, 775-783.	1.4	226
40	Obesity-prone rats have normal blood-brain barrier transport but defective central leptin signaling before obesity onset. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R143-R150.	0.9	226
41	Cytokine and chemokine responses in serum and brain after single and repeated injections of lipopolysaccharide: Multiplex quantification with path analysis. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 1637-1648.	2.0	226
42	Pathways linking depression, adiposity, and inflammatory markers in healthy young adults. <i>Brain, Behavior, and Immunity</i> , 2003, 17, 276-285.	2.0	225
43	Reduction of amyloid load and cerebral damage in transgenic mouse model of Alzheimer's disease by treatment with a β -sheet breaker peptide. <i>FASEB Journal</i> , 2002, 16, 860-862.	0.2	224
44	Prevention of ischemia-induced death of hippocampal neurons by pituitary adenylate cyclase activating polypeptide. <i>Brain Research</i> , 1996, 736, 280-286.	1.1	219
45	Lipopolysaccharide alters the blood-brain barrier transport of amyloid β protein: A mechanism for inflammation in the progression of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 507-517.	2.0	218
46	Permeability of the blood-brain and blood-spinal cord barriers to interferons. <i>Journal of Neuroimmunology</i> , 1997, 76, 105-111.	1.1	211
47	Effect of LPS on the permeability of the blood-brain barrier to insulin. <i>Brain Research</i> , 2001, 896, 36-42.	1.1	205
48	Entry of Blood-Borne Cytokines into the Central Nervous System: Effects on Cognitive Processes. <i>NeuroImmunoModulation</i> , 2002, 10, 319-327.	0.9	201
49	The blood-brain barrier in neuroimmunology: Tales of separation and assimilation. <i>Brain, Behavior, and Immunity</i> , 2015, 44, 1-8.	2.0	201
50	Selective, Physiological Transport of Insulin Across the Blood-Brain Barrier: Novel Demonstration by Species-Specific Radioimmunoassays. <i>Peptides</i> , 1997, 18, 1257-1262.	1.2	195
51	Passage of amyloid β protein antibody across the blood-brain barrier in a mouse model of Alzheimer's disease. <i>Peptides</i> , 2002, 23, 2223-2226.	1.2	192
52	Site-directed antisense oligonucleotide decreases the expression of amyloid precursor protein and reverses deficits in learning and memory in aged SAMP8 mice. <i>Peptides</i> , 2000, 21, 1769-1775.	1.2	190
53	Impaired transport of leptin across the blood-brain barrier in obesity is acquired and reversible. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E10-E15.	1.8	188
54	Transmission of α -synuclein-containing erythrocyte-derived extracellular vesicles across the blood-brain barrier via adsorptive mediated transcytosis: another mechanism for initiation and progression of Parkinson's disease?. <i>Acta Neuropathologica Communications</i> , 2017, 5, 71.	2.4	188

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55	Neuroinflammation: A Common Pathway in CNS Diseases as Mediated at the Blood-Brain Barrier. <i>NeuroImmunoModulation</i> , 2012, 19, 121-130.	0.9	187
56	Brain microvascular pericytes are immunoactive in culture: cytokine, chemokine, nitric oxide, and LRP-1 expression in response to lipopolysaccharide. <i>Journal of Neuroinflammation</i> , 2011, 8, 139.	3.1	178
57	Pharmacological Profiles of Peptide Drug Candidates for the Treatment of Alzheimer's Disease. <i>Journal of Biological Chemistry</i> , 2003, 278, 13905-13911.	1.6	177
58	The Transport Mechanism of Extracellular Vesicles at the Blood-Brain Barrier. <i>Current Pharmaceutical Design</i> , 2018, 23, 6206-6214.	0.9	177
59	Aluminum-Induced neurotoxicity: Alterations in membrane function at the blood-brain barrier. <i>Neuroscience and Biobehavioral Reviews</i> , 1989, 13, 47-53.	2.9	172
60	HIV-1 viral proteins gp120 and Tat induce oxidative stress in brain endothelial cells. <i>Brain Research</i> , 2005, 1045, 57-63.	1.1	170
61	Expression of TNF and the Necessity of TNF Receptors in Bleomycin-Induced Lung Injury in Mice. <i>Experimental Lung Research</i> , 1998, 24, 721-743.	0.5	166
62	Permeability of the blood-brain barrier to neurotrophins. <i>Brain Research</i> , 1998, 788, 87-94.	1.1	164
63	Tumor Necrosis Factor- α : a Neuromodulator in the CNS. <i>Neuroscience and Biobehavioral Reviews</i> , 1997, 21, 603-613.	2.9	163
64	Characterization of Blood-Brain Barrier Permeability to PYY3-36 in the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 306, 948-953.	1.3	162
65	Gut reactions: How the blood-brain barrier connects the microbiome and the brain. <i>Experimental Biology and Medicine</i> , 2018, 243, 159-165.	1.1	161
66	Role of the Blood-Brain Barrier in Central Nervous System Insulin Resistance. <i>Frontiers in Neuroscience</i> , 2019, 13, 521.	1.4	159
67	Peptides and the blood-brain barrier. <i>Peptides</i> , 2015, 72, 16-19.	1.2	157
68	Blood-borne interleukin-1 receptor antagonist crosses the blood-brain barrier. <i>Journal of Neuroimmunology</i> , 1994, 55, 153-160.	1.1	156
69	CNS tau efflux via exosomes is likely increased in Parkinson's disease but not in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016, 12, 1125-1131.	0.4	154
70	Permeability of the blood-brain barrier to amylin. <i>Life Sciences</i> , 1995, 57, 1993-2001.	2.0	152
71	Blood to brain transport of interleukin links the immune and central nervous systems. <i>Life Sciences</i> , 1991, 48, PL117-PL121.	2.0	151
72	Intranasal Delivery of Proteins and Peptides in the Treatment of Neurodegenerative Diseases. <i>AAPS Journal</i> , 2015, 17, 780-787.	2.2	151

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73	Angiotensin II Modulates BBB Permeability via Activation of the AT ₁ Receptor in Brain Endothelial Cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 640-647.	2.4	150
74	Quantitative proteomics analysis of specific protein expression and oxidative modification in aged senescence-accelerated-prone 8 mice brain. <i>Neuroscience</i> , 2004, 126, 915-926.	1.1	148
75	Permeability of the blood-brain barrier to a novel satiety molecule nesfatin-1. <i>Peptides</i> , 2007, 28, 2372-2381.	1.2	148
76	Physiology and pathology of the blood-brain barrier: implications for microbial pathogenesis, drug delivery and neurodegenerative disorders. <i>Journal of NeuroVirology</i> , 1999, 5, 538-555.	1.0	146
77	Developmentally regulated mannose 6-phosphate receptor-mediated transport of a lysosomal enzyme across the blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12658-12663.	3.3	146
78	A Physiological Role for Amyloid- β Protein: Enhancement of Learning and Memory. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 441-449.	1.2	144
79	Drug delivery to the brain in Alzheimer's disease: Consideration of the blood-brain barrier. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 629-639.	6.6	144
80	Peptides crossing the blood-brain barrier: some unusual observations. <i>Brain Research</i> , 1999, 848, 96-100.	1.1	140
81	The many lives of leptin. <i>Peptides</i> , 2004, 25, 331-338.	1.2	139
82	Alpha synuclein is transported into and out of the brain by the blood-brain barrier. <i>Peptides</i> , 2014, 62, 197-202.	1.2	138
83	Permeability of the blood-brain barrier to HIV-1 Tat. <i>Experimental Neurology</i> , 2005, 193, 218-227.	2.0	137
84	Intrathecal delivery of protein therapeutics to the brain: A critical reassessment. , 2014, 144, 114-122.		137
85	Leptin Transport Across the Blood-Brain Barrier: Implications for the Cause and Treatment of Obesity. <i>Current Pharmaceutical Design</i> , 2001, 7, 125-133.	0.9	135
86	Decreased levels of PSD95 and two associated proteins and increased levels of BCL ₂ and caspase 3 in hippocampus from subjects with amnesic mild cognitive impairment: Insights into their potential roles for loss of synapses and memory, accumulation of A β , and neurodegeneration in a prodromal stage of Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2010, 88, 469-477.	1.3	135
87	The neurotrophins and their receptors: Structure, function, and neuropathology. <i>Neuroscience and Biobehavioral Reviews</i> , 1994, 18, 143-159.	2.9	132
88	Ghrelin-induced feeding is dependent on nitric oxide. <i>Peptides</i> , 2003, 24, 913-918.	1.2	132
89	Brain Uptake of the Glucagon-Like Peptide-1 Antagonist Exendin(9-39) after Intranasal Administration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 469-475.	1.3	132
90	Effect of Diabetes Mellitus on the Permeability of the Blood-Brain Barrier to Insulin. <i>Peptides</i> , 1997, 18, 1577-1584.	1.2	131

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91	Effects of triglycerides, obesity, and starvation on ghrelin transport across the blood-brain barrier. <i>Peptides</i> , 2008, 29, 2061-2065.	1.2	129
92	A physiological role for amyloid-beta protein: enhancement of learning and memory. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 441-9.	1.2	126
93	Passage of erythropoietic agents across the blood-brain barrier: a comparison of human and murine erythropoietin and the analog darbepoetin alfa. <i>European Journal of Pharmacology</i> , 2004, 505, 93-101.	1.7	124
94	Extra Virgin Olive Oil Improves Learning and Memory in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 81-92.	1.2	124
95	Permeability of the blood-brain barrier to neuropeptides: The case for penetration. <i>Psychoneuroendocrinology</i> , 1985, 10, 385-399.	1.3	122
96	Transport of Human Immunodeficiency Virus Type 1 Pseudoviruses across the Blood-Brain Barrier: Role of Envelope Proteins and Adsorptive Endocytosis. <i>Journal of Virology</i> , 2001, 75, 4681-4691.	1.5	122
97	Effects of orexin-A on memory processing. <i>Peptides</i> , 2002, 23, 1683-1688.	1.2	122
98	Brain Meets Body: The Blood-Brain Barrier as an Endocrine Interface. <i>Endocrinology</i> , 2012, 153, 4111-4119.	1.4	122
99	Enhanced leptin transport across the blood-brain barrier by β -adrenergic agents. <i>Brain Research</i> , 2001, 899, 209-217.	1.1	121
100	Antisense directed at the $A\beta$ region of APP decreases brain oxidative markers in aged senescence accelerated mice. <i>Brain Research</i> , 2004, 1018, 86-96.	1.1	121
101	Triglycerides cross the blood-brain barrier and induce central leptin and insulin receptor resistance. <i>International Journal of Obesity</i> , 2018, 42, 391-397.	1.6	120
102	Upregulation of the p75 But Not the p55 TNF- α Receptor mRNA after Silica and Bleomycin Exposure and Protection from Lung Injury in Double Receptor Knockout Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1999, 20, 825-833.	1.4	118
103	Leucine competes with kynurenine for blood-to-brain transport and prevents lipopolysaccharide-induced depression-like behavior in mice. <i>Molecular Psychiatry</i> , 2019, 24, 1523-1532.	4.1	118
104	Proteomic analysis of specific brain proteins in aged SAMP8 mice treated with alpha-lipoic acid: implications for aging and age-related neurodegenerative disorders. <i>Neurochemistry International</i> , 2005, 46, 159-168.	1.9	117
105	Healthy aging and the blood-brain barrier. <i>Nature Aging</i> , 2021, 1, 243-254.	5.3	116
106	Partial saturation and regional variation in the blood-to-brain transport of leptin in normal weight mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E1158-E1165.	1.8	115
107	Oxidative modification to LDL receptor-related protein 1 in hippocampus from subjects with Alzheimer disease: Implications for $A\beta$ accumulation in AD brain. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1798-1803.	1.3	115
108	Testing the Neurovascular Hypothesis of Alzheimer's Disease: LRP-1 Antisense Reduces Blood-brain Barrier Clearance, Increases Brain Levels of Amyloid- β Protein, and Impairs Cognition. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 553-570.	1.2	111

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109	HIV proteins (gp120 and Tat) and methamphetamine in oxidative stress-induced damage in the brain: Potential role of the thiol antioxidant N-acetylcysteine amide. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1388-1398.	1.3	109
110	Fate of Leptin after Intracerebroventricular Injection into the Mouse Brain. <i>Endocrinology</i> , 1998, 139, 4556-4562.	1.4	108
111	Age-Associated Changes in the Immune System and Blood-Brain Barrier Functions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1632.	1.8	107
112	Passage of human amyloid β -protein 1-40 across the murine blood-brain barrier. <i>Life Sciences</i> , 1994, 55, 1643-1650.	2.0	106
113	Unidirectional Specific and Modulated Brain to Blood Transport of Corticotropin-Releasing Hormone. <i>Neuroendocrinology</i> , 1996, 63, 338-348.	1.2	106
114	Peroxisome Proliferator-Activated Receptor- γ -Mediated Positive Energy Balance in the Rat Is Associated with Reduced Sympathetic Drive to Adipose Tissues and Thyroid Status. <i>Endocrinology</i> , 2008, 149, 2121-2130.	1.4	106
115	Disruption of the hippocampal and hypothalamic blood-brain barrier in a diet-induced obese model of type II diabetes: prevention and treatment by the mitochondrial carbonic anhydrase inhibitor, topiramate. <i>Fluids and Barriers of the CNS</i> , 2019, 16, 1.	2.4	106
116	Effects of N-acetylcysteine amide (NACA), a novel thiol antioxidant against glutamate-induced cytotoxicity in neuronal cell line PC12. <i>Brain Research</i> , 2005, 1056, 132-138.	1.1	105
117	Saturable transport of peptides across the blood-brain barrier. <i>Life Sciences</i> , 1987, 41, 1319-1338.	2.0	104
118	Passage of peptides across the blood-brain barrier: Pathophysiological perspectives. <i>Life Sciences</i> , 1996, 59, 1923-1943.	2.0	104
119	Starvation and Triglycerides Reverse the Obesity-Induced Impairment of Insulin Transport at the Blood-Brain Barrier. <i>Endocrinology</i> , 2008, 149, 3592-3597.	1.4	104
120	Topiramate Treatment Protects Blood-Brain Barrier Pericytes from Hyperglycemia-Induced Oxidative Damage in Diabetic Mice. <i>Endocrinology</i> , 2012, 153, 362-372.	1.4	104
121	Carrier-mediated transport of vasopressin across the blood-brain barrier of the mouse. <i>Journal of Neuroscience Research</i> , 1987, 18, 326-332.	1.3	103
122	Leptin transport across the blood-brain barrier of the Koletsky rat is not mediated by a product of the leptin receptor gene. <i>Brain Research</i> , 2002, 950, 130-136.	1.1	102
123	Lipopolysaccharide impairs amyloid beta efflux from brain: altered vascular sequestration, cerebrospinal fluid reabsorption, peripheral clearance and transporter function at the blood-brain barrier. <i>Journal of Neuroinflammation</i> , 2012, 9, 150.	3.1	102
124	Blood to Brain and Brain to Blood Passage of Native Horseradish Peroxidase, Wheat Germ Agglutinin, and Albumin: Pharmacokinetic and Morphological Assessments. <i>Journal of Neurochemistry</i> , 1994, 62, 2404-2419.	2.1	101
125	Is Obesity a Disease of the Blood-Brain Barrier? Physiological, Pathological, and Evolutionary Considerations. <i>Current Pharmaceutical Design</i> , 2003, 9, 801-809.	0.9	101
126	Central Nervous System Delivery of Intranasal Insulin: Mechanisms of Uptake and Effects on Cognition. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 715-728.	1.2	100

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127	The blood-brain barrier as an endocrine tissue. <i>Nature Reviews Endocrinology</i> , 2019, 15, 444-455.	4.3	100
128	Frailty and the aging male. <i>Aging Male</i> , 2005, 8, 135-140.	0.9	99
129	Interactions of SARS-CoV-2 with the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2681.	1.8	99
130	Aluminum complexing enhances amyloid β^2 protein penetration of blood-brain barrier. <i>Brain Research</i> , 2006, 1116, 215-221.	1.1	98
131	Loss of Appendicular Muscle Mass and Loss of Muscle Strength in Young Postmenopausal Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007, 62, 330-335.	1.7	98
132	A novel antioxidant N-acetylcysteine amide prevents gp120- and Tat-induced oxidative stress in brain endothelial cells. <i>Experimental Neurology</i> , 2006, 201, 193-202.	2.0	97
133	Pegylated Leptin Antagonist Is a Potent Orexigenic Agent: Preparation and Mechanism of Activity. <i>Endocrinology</i> , 2009, 150, 3083-3091.	1.4	96
134	Lipids and Cognition. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 737-747.	1.2	96
135	Permeability of the Blood-Brain Barrier to Soluble Cytokine Receptors. <i>NeuroImmunoModulation</i> , 1995, 2, 161-165.	0.9	95
136	Blood-Brain Barriers in Obesity. <i>AAPS Journal</i> , 2017, 19, 921-930.	2.2	95
137	Anti-amyloid beta protein antibody passage across the blood-brain barrier in the SAMP8 mouse model of Alzheimer's disease: An age-related selective uptake with reversal of learning impairment. <i>Experimental Neurology</i> , 2007, 206, 248-256.	2.0	94
138	Delivery of Galanin-Like Peptide to the Brain: Targeting with Intranasal Delivery and Cyclodextrins. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 513-519.	1.3	94
139	Insulin transport across the blood-brain barrier can occur independently of the insulin receptor. <i>Journal of Physiology</i> , 2018, 596, 4753-4765.	1.3	94
140	A brain-to-blood carrier-mediated transport system for small, N-Tyrosinated peptides. <i>Pharmacology Biochemistry and Behavior</i> , 1984, 21, 943-946.	1.3	93
141	N-Acetylcysteine amide protects against methamphetamine-induced oxidative stress and neurotoxicity in immortalized human brain endothelial cells. <i>Brain Research</i> , 2009, 1275, 87-95.	1.1	93
142	Permeability of the murine blood-brain barrier to some octapeptide analogs of somatostatin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 6762-6766.	3.3	92
143	Blood-Brain Barrier Permeability to Ebratide and TNF in Acute Spinal Cord Injury. <i>Experimental Neurology</i> , 1997, 146, 367-373.	2.0	92
144	The Blood-Brain Barrier as a Cause of Obesity. <i>Current Pharmaceutical Design</i> , 2008, 14, 1606-1614.	0.9	92

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145	Studies of the slow bidirectional transport of iron and transferrin across the blood-brain barrier. <i>Brain Research Bulletin</i> , 1988, 21, 881-885.	1.4	91
146	The Blood-Brain Barrier in NeuroAIDS. <i>Current HIV Research</i> , 2006, 4, 259-266.	0.2	90
147	Efflux of human and mouse amyloid β proteins 1 α -40 and 1 α -42 from brain: impairment in a mouse model of alzheimer's disease. <i>Neuroscience</i> , 2003, 121, 487-492.	1.1	89
148	Interleukin-1 β in blood has direct access to cortical brain cells. <i>Neuroscience Letters</i> , 1993, 163, 41-44.	1.0	88
149	The effects of group and individual animal-assisted therapy on loneliness in residents of long-term care facilities. <i>Anthrozoos</i> , 2005, 18, 396-408.	0.7	88
150	The blood-brain barrier: Connecting the gut and the brain. <i>Regulatory Peptides</i> , 2008, 149, 11-14.	1.9	86
151	The extracellular matrix of the blood-brain barrier: structural and functional roles in health, aging, and Alzheimer's disease. <i>Tissue Barriers</i> , 2019, 7, 1651157.	1.6	85
152	Adiponectin does not cross the blood-brain barrier but modifies cytokine expression of brain endothelial cells. <i>Diabetes</i> , 2006, 55, 141-7.	0.3	84
153	Effect of Dietary n-3 Polyunsaturated Fatty Acids on Brain Lipid Fatty Acid Composition, Learning Ability, and Memory of Senescence-Accelerated Mouse. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2008, 63, 1153-1160.	1.7	83
154	High glucose-induced mitochondrial respiration and reactive oxygen species in mouse cerebral pericytes is reversed by pharmacological inhibition of mitochondrial carbonic anhydrases: Implications for cerebral microvascular disease in diabetes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 354-358.	1.0	83
155	Primary Adrenal Hyperplasia: A New Subset of Primary Hyperaldosteronism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1984, 58, 783-785.	1.8	82
156	Isolation of Peptide Transport System-6 from Brain Endothelial Cells: Therapeutic Effects with Antisense Inhibition in Alzheimer and Stroke Models. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 411-422.	2.4	82
157	Inflammation-induced dysfunction of the low-density lipoprotein receptor-related protein-1 at the blood-brain barrier: Protection by the antioxidant N-acetylcysteine. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 1085-1094.	2.0	81
158	Interleukin-2 does not cross the blood-brain barrier by a saturable transport system. <i>Brain Research Bulletin</i> , 1994, 34, 103-109.	1.4	79
159	HIV-1 protein gp120 crosses the blood-brain barrier: Role of adsorptive endocytosis. <i>Life Sciences</i> , 1997, 61, PL119-PL125.	2.0	79
160	Adsorptive Endocytosis of HIV-1gp120 by Blood-Brain Barrier Is Enhanced by Lipopolysaccharide. <i>Experimental Neurology</i> , 1999, 156, 165-171.	2.0	78
161	Highly active antiretroviral therapy drug combination induces oxidative stress and mitochondrial dysfunction in immortalized human blood-brain barrier endothelial cells. <i>Free Radical Biology and Medicine</i> , 2011, 50, 801-810.	1.3	78
162	Opposite direction of transport across the blood-brain barrier for Tyr-MIF-1 and MIF-1: Comparison with morphine. <i>Peptides</i> , 1994, 15, 23-29.	1.2	77

#	ARTICLE	IF	CITATIONS
163	Polypeptide Point Modifications with Fatty Acid and Amphiphilic Block Copolymers for Enhanced Brain Delivery. <i>Bioconjugate Chemistry</i> , 2005, 16, 793-802.	1.8	76
164	Bloodâ€‘Brain Barrier Disruption and Neurovascular Unit Dysfunction in Diabetic Mice: Protection with the Mitochondrial Carbonic Anhydrase Inhibitor Topiramate. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 452-459.	1.3	76
165	The bloodâ€‘brain barrier as a regulatory interface in the gutâ€‘brain axes. <i>Physiology and Behavior</i> , 2006, 89, 472-476.	1.0	75
166	Effect of Alpha-Lipoic Acid on Memory, Oxidation, and Lifespan in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 447-455.	1.2	75
167	Rapid Transport of CCL11 across the Blood-Brain Barrier: Regional Variation and Importance of Blood Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 349, 497-507.	1.3	75
168	Development of Novel Therapeutics Targeting the Bloodâ€‘Brain Barrier: From Barrier to Carrier. <i>Advanced Science</i> , 2021, 8, e2101090.	5.6	75
169	Lipid peroxidation in brain during aging in the senescence-accelerated mouse (SAM). <i>Neurobiology of Aging</i> , 2007, 28, 1170-1178.	1.5	74
170	Mannose 6-Phosphate Receptorâ€‘mediated Transport of Sulfamidase Across the Bloodâ€‘brain Barrier in the Newborn Mouse. <i>Molecular Therapy</i> , 2008, 16, 1261-1266.	3.7	74
171	Testosterone modulates gene expression pathways regulating nutrient accumulation, glucose metabolism and protein turnover in mouse skeletal muscle. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, 55-68.	3.6	74
172	Conjugates of Superoxide Dismutase 1 with Amphiphilic Poly(2-oxazoline) Block Copolymers for Enhanced Brain Delivery: Synthesis, Characterization and Evaluation in Vitro and in Vivo. <i>Molecular Pharmaceutics</i> , 2013, 10, 360-377.	2.3	74
173	Neurovascular unit crosstalk: Pericytes and astrocytes modify cytokine secretion patterns of brain endothelial cells. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1104-1118.	2.4	74
174	Proteomic identification of less oxidized brain proteins in aged senescence-accelerated mice following administration of antisense oligonucleotide directed at the AÎ² region of amyloid precursor protein. <i>Molecular Brain Research</i> , 2005, 138, 8-16.	2.5	73
175	The effects of high fat diets on the bloodâ€‘brain barrier transport of leptin: Failure or adaptation?. <i>Physiology and Behavior</i> , 2006, 88, 244-248.	1.0	72
176	Role of the bloodâ€‘brain barrier in the evolution of feeding and cognition. <i>Annals of the New York Academy of Sciences</i> , 2012, 1264, 13-19.	1.8	72
177	Regional transport of TNF-Î± across the blood-brain barrier in young ICR and young and aged SAMP8 mice. <i>Neurobiology of Aging</i> , 2001, 22, 671-676.	1.5	71
178	Transport of Pituitary Adenylate Cyclase-Activating Polypeptide Across the Blood-Brain Barrier and the Prevention of Ischemia-Induced Death of Hippocampal Neurons. <i>Annals of the New York Academy of Sciences</i> , 2006, 805, 270-277.	1.8	71
179	Nano-particle delivery of brain derived neurotrophic factor after focal cerebral ischemia reduces tissue injury and enhances behavioral recovery. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 150-151, 48-56.	1.3	71
180	Transport across the Blood-Brain Barrier of Pluronic Leptin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 253-263.	1.3	68

#	ARTICLE	IF	CITATIONS
181	Blast exposure elicits blood-brain barrier disruption and repair mediated by tight junction integrity and nitric oxide dependent processes. <i>Scientific Reports</i> , 2018, 8, 11344.	1.6	67
182	Passage of vasoactive intestinal peptide across the blood-brain barrier. <i>Peptides</i> , 2003, 24, 437-444.	1.2	66
183	Dietary Components in the Development of Leptin Resistance. <i>Advances in Nutrition</i> , 2013, 4, 164-175.	2.9	66
184	Anti-IL-6 neutralizing antibody modulates blood-brain barrier function in the ovine fetus. <i>FASEB Journal</i> , 2015, 29, 1739-1753.	0.2	66
185	Blast exposure causes dynamic microglial/macrophage responses and microdomains of brain microvessel dysfunction. <i>Neuroscience</i> , 2016, 319, 206-220.	1.1	66
186	Estradiol potentiates acetylcholine and glutamate-mediated post-trial memory processing in the hippocampus. <i>Brain Research</i> , 2000, 864, 263-269.	1.1	65
187	Cynical hostility, depressive symptoms, and the expression of inflammatory risk markers for coronary heart disease. <i>Journal of Behavioral Medicine</i> , 2003, 26, 501-515.	1.1	65
188	The Blood-Brain Barrier in Psychoneuroimmunology. <i>Neurologic Clinics</i> , 2006, 24, 413-419.	0.8	65
189	Intranasal Administration as a Route for Drug Delivery to the Brain: Evidence for a Unique Pathway for Albumin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 54-60.	1.3	65
190	Are the Extracellular Pathways a Conduit for the Delivery of Therapeutics to the Brain?. <i>Current Pharmaceutical Design</i> , 2004, 10, 1365-1370.	0.9	65
191	Tyr-MIF-1 and Met-enkephalin share a saturable blood-brain barrier transport system. <i>Peptides</i> , 1987, 8, 899-903.	1.2	64
192	Alzheimer's disease through the eye of a mouse. <i>Peptides</i> , 2002, 23, 589-599.	1.2	64
193	Quantifying carrier-mediated transport of peptides from the brain to the blood. <i>Methods in Enzymology</i> , 1989, 168, 652-660.	0.4	63
194	Anorectic effects of circulating cytokines: role of the vascular blood-brain barrier. <i>Nutrition</i> , 2001, 17, 434-437.	1.1	63
195	Ischemia-reperfusion impairs blood-brain barrier function and alters tight junction protein expression in the ovine fetus. <i>Neuroscience</i> , 2012, 226, 89-100.	1.1	63
196	Prolactin transport into mouse brain is independent of prolactin receptor. <i>FASEB Journal</i> , 2016, 30, 1002-1010.	0.2	63
197	Uptake and degradation of blood-borne insulin by the olfactory bulb. <i>Peptides</i> , 1999, 20, 373-378.	1.2	62
198	Evidence that [125I]N-Tyr-delta sleep-inducing peptide crosses the blood-brain barrier by a non-competitive mechanism. <i>Brain Research</i> , 1984, 301, 201-207.	1.1	61

#	ARTICLE	IF	CITATIONS
199	Aluminum alters the permeability of the blood-brain barrier to some non-peptides. <i>Neuropharmacology</i> , 1985, 24, 407-412.	2.0	61
200	Differential Transport of a Secretin Analog across the Blood-Brain and Blood-Cerebrospinal Fluid Barriers of the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 1062-1069.	1.3	61
201	Serum Leptin Levels as a Marker for a Syndrome X-Like Condition in Wild Baboons. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 1234-1240.	1.8	61
202	Intranasal administration of PACAP: Uptake by brain and regional brain targeting with cyclodextrins. <i>Peptides</i> , 2012, 36, 168-175.	1.2	61
203	The interleukins-1 β , -1 γ , and -2 do not acutely disrupt the murine blood - brain barrier. <i>International Journal of Immunopharmacology</i> , 1992, 14, 629-636.	1.1	60
204	Lipopolysaccharide Impairs Blood-Brain Barrier P-glycoprotein Function in Mice Through Prostaglandin- and Nitric Oxide-Independent Pathways. <i>Journal of NeuroImmune Pharmacology</i> , 2009, 4, 276-282.	2.1	60
205	Permeability of the blood-brain barrier to peptides: An approach to the development of therapeutically useful analogs. <i>Peptides</i> , 1992, 13, 1289-1294.	1.2	59
206	The putative blood-brain barrier transporter for the β -amyloid binding protein apolipoprotein j is saturated at physiological concentrations. <i>Life Sciences</i> , 1997, 60, PL115-PL118.	2.0	59
207	Brain pericytes increase the lipopolysaccharide-enhanced transcytosis of HIV-1 free virus across the in vitro blood-brain barrier: evidence for cytokine-mediated pericyte-endothelial cell crosstalk. <i>Fluids and Barriers of the CNS</i> , 2013, 10, 23.	2.4	59
208	Ghrelin transport across the blood-brain barrier can occur independently of the growth hormone secretagogue receptor. <i>Molecular Metabolism</i> , 2018, 18, 88-96.	3.0	59
209	Blood-Brain Barrier and Energy Balance. <i>Obesity</i> , 2006, 14, 234S-237S.	1.5	58
210	Delivery of peptides to the brain: Emphasis on therapeutic development. <i>Biopolymers</i> , 2008, 90, 589-594.	1.2	58
211	Central and Peripheral Administration of Antisense Oligonucleotide Targeting Amyloid- β Protein Precursor Improves Learning and Memory and Reduces Neuroinflammatory Cytokines in Tg2576 (A β PP ^{Swe}) Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 1005-1016.	1.2	58
212	Radioimmunoassay of DSIP-like material in human blood: Possible protein binding. <i>Pharmacology Biochemistry and Behavior</i> , 1981, 15, 969-974.	1.3	57
213	Brain uptake pharmacokinetics of incretin receptor agonists showing promise as Alzheimer's and Parkinson's disease therapeutics. <i>Biochemical Pharmacology</i> , 2020, 180, 114187.	2.0	57
214	Science, Citation, and Funding. <i>Science</i> , 1991, 251, 1410-1411.	6.0	56
215	Persistence of blood-to-brain transport of leptin in obese leptin-deficient and leptin receptor-deficient mice. <i>Brain Research</i> , 2000, 873, 165-167.	1.1	56
216	Delivery of testosterone to the brain by intranasal administration: Comparison to intravenous testosterone. <i>Journal of Drug Targeting</i> , 2009, 17, 91-97.	2.1	56

#	ARTICLE	IF	CITATIONS
217	In vitro modeling of blood-brain barrier and interface functions in neuroimmune communication. <i>Fluids and Barriers of the CNS</i> , 2020, 17, 26.	2.4	56
218	Central nervous system effects of peptides, 1980-1985: A cross-listing of peptides and their central actions from the first six years of the journal <i>Peptides</i> . <i>Peptides</i> , 1986, 7, 497-537.	1.2	55
219	D-[Ala ¹]-peptide T-Amide is transported from blood to brain by a saturable system. <i>Brain Research Bulletin</i> , 1987, 19, 629-633.	1.4	55
220	Strategies for the Delivery of Leptin to the CNS. <i>Journal of Drug Targeting</i> , 2002, 10, 297-308.	2.1	54
221	Nanoformulation of Brain-Derived Neurotrophic Factor with Target Receptor-Triggered Release in the Central Nervous System. <i>Advanced Functional Materials</i> , 2018, 28, 1703982.	7.8	54
222	Blood-Brain Barrier as a Regulatory Interface. <i>Forum of Nutrition</i> , 2010, 63, 102-110.	3.7	53
223	Peripheral Administration of Antisense Oligonucleotides Targeting the Amyloid- β^2 Protein Precursor Reverses A β^2 PP and LRP-1 Overexpression in the Aged SAMP8 Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 951-960.	1.2	53
224	HIV-1-induced production of endothelin-1 in an in vitro model of the human blood-brain barrier. <i>NeuroReport</i> , 2002, 13, 1179-1183.	0.6	52
225	Epinephrine enhances lysosomal enzyme delivery across the blood-brain barrier by up-regulation of the mannose 6-phosphate receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12873-12878.	3.3	52
226	Higher C-Reactive Protein and Soluble Tumor Necrosis Factor Receptor Levels Are Associated With Poor Physical Function and Disability: A Cross-Sectional Analysis of a Cohort of Late Middle-Aged African Americans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 274-281.	1.7	52
227	Delta sleep-inducing peptide crosses the blood-brain-barrier in dogs: Some correlations with protein binding. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 1009-1014.	1.3	51
228	Nitric Oxide Isoenzymes Regulate Lipopolysaccharide-Enhanced Insulin Transport across the Blood-Brain Barrier. <i>Endocrinology</i> , 2008, 149, 1514-1523.	1.4	51
229	Evidence for a cholecystokinin gut-brain axis with modulation by bombesin. <i>Peptides</i> , 1980, 1, 347-351.	1.2	50
230	Potential of lead-induced cell death in PC12 cells by glutamate: Protection by N-acetylcysteine amide (NACA), a novel thiol antioxidant. <i>Toxicology and Applied Pharmacology</i> , 2006, 216, 197-205.	1.3	50
231	Tau Proteins Cross the Blood-Brain Barrier. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 411-419.	1.2	50
232	Delivering peptides to the central nervous system: dilemmas and strategies. <i>Pharmaceutical Research</i> , 1991, 08, 1345-1350.	1.7	49
233	Diurnal Uptake of Circulating Interleukin-1 \pm by Brain, Spinal Cord, Testis and Muscle. <i>NeuroImmunoModulation</i> , 1998, 5, 36-41.	0.9	49
234	Chronic Ethanol Consumption Impairs Learning and Memory After Cessation of Ethanol. <i>Alcoholism: Clinical and Experimental Research</i> , 2005, 29, 971-982.	1.4	49

#	ARTICLE	IF	CITATIONS
235	Ovine Proinflammatory Cytokines Cross the Murine Blood-Brain Barrier by a Common Saturable Transport Mechanism. <i>NeuroImmunoModulation</i> , 2010, 17, 405-410.	0.9	49
236	Pharmacological Inhibition of Mitochondrial Carbonic Anhydrases Protects Mouse Cerebral Pericytes from High Glucose-Induced Oxidative Stress and Apoptosis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 637-645.	1.3	49
237	Misleading concepts in the field of brain peptides. <i>Peptides</i> , 1984, 5, 249-253.	1.2	48
238	The opiate system in invertebrates. <i>Peptides</i> , 1994, 15, 1309-1329.	1.2	48
239	Permeability of the mouse blood-brain barrier to murine interleukin-2: predominance of a saturable efflux system. <i>Brain, Behavior, and Immunity</i> , 2004, 18, 434-442.	2.0	48
240	Lipopolysaccharide-enhanced transcellular transport of HIV-1 across the blood-brain barrier is mediated by luminal microvessel IL-6 and GM-CSF. <i>Journal of Neuroinflammation</i> , 2011, 8, 167.	3.1	48
241	Regional variation in transport of pancreatic polypeptide across the blood-brain barrier of mice. <i>Pharmacology Biochemistry and Behavior</i> , 1995, 51, 139-147.	1.3	47
242	Permeability of the blood-brain barrier to melanocortins. <i>Peptides</i> , 1995, 16, 1157-1161.	1.2	47
243	Relative contributions of peripheral and central sources to levels of IL-1 β in the cerebral cortex of mice: assessment with species-specific enzyme immunoassays. <i>Journal of Neuroimmunology</i> , 1997, 79, 22-28.	1.1	47
244	Characterization of lectin-mediated brain uptake of HIV-1 GP120. , 1998, 54, 522-529.		47
245	Protein Conjugation with Amphiphilic Block Copolymers for Enhanced Cellular Delivery. <i>Bioconjugate Chemistry</i> , 2008, 19, 1071-1077.	1.8	47
246	Molecular Hydrogen in Drinking Water Protects against Neurodegenerative Changes Induced by Traumatic Brain Injury. <i>PLoS ONE</i> , 2014, 9, e108034.	1.1	47
247	Physiological Consequences of the Passage of Peptides Across the Blood-Brain Barrier. <i>Reviews in the Neurosciences</i> , 1993, 4, 365-72.	1.4	46
248	Selective transport of blood-borne interleukin-1 β into the posterior division of the septum of the mouse brain. <i>Brain Research</i> , 1995, 700, 83-88.	1.1	46
249	Regional differences in PACAP transport across the blood-brain barrier in mice: a possible influence of strain, amyloid β protein, and age. <i>Peptides</i> , 2002, 23, 2197-2202.	1.2	46
250	Aging and the blood-brain barrier: Changes in the carrier-mediated transport of peptides in rats. <i>Neuroscience Letters</i> , 1985, 61, 171-175.	1.0	45
251	Transport, uptake, and metabolism of blood-borne vasopressin by the blood-brain barrier. <i>Brain Research</i> , 1992, 590, 213-218.	1.1	45
252	Orexin-A-induced feeding is dependent on nitric oxide. <i>Peptides</i> , 2005, 26, 759-765.	1.2	45

#	ARTICLE	IF	CITATIONS
253	Nitric oxide is a central component in neuropeptide regulation of appetite. <i>Peptides</i> , 2011, 32, 776-780.	1.2	45
254	Reversible association of the cytokines MIP-1 α and MIP-1 β with the endothelia of the blood-brain barrier. <i>Neuroscience Letters</i> , 1996, 205, 202-206.	1.0	44
255	Serum Leptin Levels in Wild and Captive Populations of Baboons (<i>Papio</i>): Implications for the Ancestral Role of Leptin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4315-4320.	1.8	43
256	Effects of lipopolysaccharide on leptin transport across the blood-brain barrier. <i>Brain Research</i> , 2004, 1016, 58-65.	1.1	43
257	Effects of a growth hormone-releasing hormone antagonist on telomerase activity, oxidative stress, longevity, and aging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22272-22277.	3.3	43
258	Differential penetration of DSIP peptides into rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 1187-1191.	1.3	42
259	Permanent and temporary inactivation of the hippocampus impairs T-maze footshock avoidance acquisition and retention. <i>Brain Research</i> , 2000, 872, 242-249.	1.1	42
260	Brain distribution and behavioral effects of progesterone and pregnenolone after intranasal or intravenous administration. <i>European Journal of Pharmacology</i> , 2010, 641, 128-134.	1.7	42
261	Sequestration of Centrally Administered Insulin by the Brain: Effects of Starvation, Aluminum, and TNF- α . <i>Hormones and Behavior</i> , 1996, 30, 280-286.	1.0	41
262	Developing drugs that can cross the blood-brain barrier: applications to Alzheimer's disease. <i>BMC Neuroscience</i> , 2008, 9, S2.	0.8	41
263	Increase in Presenilin 1 (PS1) levels in senescence-accelerated mice(SAMP8) may indirectly impair memory by affecting amyloid precursor protein(APP) processing. <i>Journal of Experimental Biology</i> , 2009, 212, 494-498.	0.8	41
264	Human Immunodeficiency Virus-1 Uses the Mannose-6-Phosphate Receptor to Cross the Blood-Brain Barrier. <i>PLoS ONE</i> , 2012, 7, e39565.	1.1	41
265	Memories Are Made of This: Recent Advances in Understanding Cognitive Impairments and Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2003, 58, M314-M321.	1.7	40
266	Copper complexing decreases the ability of amyloid beta peptide to cross the BBB and enter brain parenchyma. <i>Peptides</i> , 2007, 28, 1424-1432.	1.2	40
267	Lipopolysaccharide-enhanced transcellular transport of HIV-1 across the blood-brain barrier is mediated by the p38 mitogen-activated protein kinase pathway. <i>Experimental Neurology</i> , 2008, 210, 740-749.	2.0	40
268	Pluronic modified leptin with increased systemic circulation, brain uptake and efficacy for treatment of obesity. <i>Journal of Controlled Release</i> , 2014, 191, 34-46.	4.8	40
269	Interleukin-1 β Transfer across the Blood-Brain Barrier in the Ovine Fetus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1388-1395.	2.4	40
270	Neutralizing anti-interleukin-1 β antibodies modulate fetal blood-brain barrier function after ischemia. <i>Neurobiology of Disease</i> , 2015, 73, 118-129.	2.1	40

#	ARTICLE	IF	CITATIONS
271	Carrier-Mediated Transport of Labeled Oxytocin from Brain to Blood. <i>Neuroendocrinology</i> , 1991, 53, 447-452.	1.2	39
272	The effect of cardiac arrest on the permeability of the mouse blood-brain and blood-spinal cord barrier to pituitary adenylate cyclase activating polypeptide (PACAP)†. <i>Peptides</i> , 1999, 20, 1337-1340.	1.2	39
273	Antagonists of growth hormone-releasing hormone cross the blood-brain barrier: A potential applicability to treatment of brain tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12495-12500.	3.3	39
274	Effect of lipopolysaccharide on the transport of pituitary adenylate cyclase activating polypeptide across the blood-brain barrier. <i>Experimental Neurology</i> , 2005, 191, 137-144.	2.0	39
275	Lower serum DHEAS levels are associated with a higher degree of physical disability and depressive symptoms in middle-aged to older African American women. <i>Maturitas</i> , 2007, 57, 347-360.	1.0	39
276	Effects of Lead and Cadmium on Brain Endothelial Cell Survival, Monolayer Permeability, and Crucial Oxidative Stress Markers in an in Vitro Model of the Blood-Brain Barrier. <i>Toxics</i> , 2014, 2, 258-275.	1.6	39
277	Foreword: The Year in Review: Comments on Plants, Cyclodextrins, Microbiota, and Diabetes. <i>Current Pharmaceutical Design</i> , 2018, 24, 1-3.	0.9	39
278	Brain peptides: The dangers of constricted nomenclatures. <i>Life Sciences</i> , 1983, 32, 295-301.	2.0	38
279	Entry of DSIP peptides into dog CSF: Role of physicochemical and pharmacokinetic parameters. <i>Brain Research Bulletin</i> , 1986, 17, 155-158.	1.4	38
280	Inhibition of the brain to blood transport system for enkephalins and Tyr-MIF-1 in mice addicted or genetically predisposed to drinking ethanol. <i>Alcohol</i> , 1989, 6, 53-57.	0.8	38
281	Endogenous peptide Tyr-Pro-Trp-Gly-NH ₂ (Tyr-W-MIF-1) is transported from the brain to the blood by peptide transport system-1. <i>Journal of Neuroscience Research</i> , 1993, 35, 690-695.	1.3	38
282	Passage of leptin across the blood-testis barrier. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E1099-E1104.	1.8	37
283	Regional Variations in the Transport of Interleukin-1± across the Blood-Brain Barrier in ICR and Aging SAMP8 Mice. <i>NeuroImmunoModulation</i> , 2000, 8, 165-170.	0.9	37
284	Antibody to I ² -amyloid protein increases acetylcholine in the hippocampus of 12 month SAMP8 male mice. <i>Life Sciences</i> , 2003, 73, 555-562.	2.0	37
285	Foreword. <i>Current Pharmaceutical Design</i> , 2014, 20, 1-1.	0.9	37
286	Nitric oxide synthase mediates cerebellar dysfunction in mice exposed to repetitive blast-induced mild traumatic brain injury. <i>Scientific Reports</i> , 2020, 10, 9420.	1.6	37
287	Effect of Spinal Cord Injury on the Permeability of the Blood-brain and Blood-spinal Cord Barriers to the Neurotrophin PACAP. <i>Experimental Neurology</i> , 1998, 151, 116-123.	2.0	36
288	The CNS as a target for peptides and peptide-based drugs. <i>Expert Opinion on Drug Delivery</i> , 2006, 3, 707-712.	2.4	36

#	ARTICLE	IF	CITATIONS
289	Insulin Resistance Syndrome in the Elderly. <i>Diabetes Care</i> , 2007, 30, 2369-2373.	4.3	36
290	Impairments in Brain-to-Blood Transport of Amyloid- β^2 and Reabsorption of Cerebrospinal Fluid in an Animal Model of Alzheimer's Disease are Reversed by Antisense Directed Against Amyloid- β^2 Protein Precursor. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 599-605.	1.2	36
291	Stereospecific transport of Tyr-MIF-1 across the blood-brain barrier by peptide transport system-1. <i>Brain Research Bulletin</i> , 1990, 25, 589-592.	1.4	35
292	EEG evidence that morphine and an enkephalin analog cross the blood-brain barrier. <i>Pharmacology Biochemistry and Behavior</i> , 1991, 40, 771-774.	1.3	35
293	Chapter 21: Bidirectional passage of peptides across the blood-brain barrier. <i>Progress in Brain Research</i> , 1992, 91, 139-148.	0.9	35
294	Alveolar macrophage apoptosis and TNF- β , but not p53, expression correlate with murine response to bleomycin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 275, L1208-L1218.	1.3	35
295	Serum amyloid A: an ozone-induced circulating factor with potentially important functions in the lung-brain axis. <i>FASEB Journal</i> , 2017, 31, 3950-3965.	0.2	35
296	Periventricular penetration and disappearance of ICV Tyr-MIF-1, DAMGO, tyrosine, and albumin. <i>Peptides</i> , 1996, 17, 247-250.	1.2	34
297	Differential transport of rat and human interleukin- 1β across the blood-brain barrier and blood-testis barrier in rats. <i>Brain Research</i> , 2000, 881, 57-61.	1.1	34
298	DHEAS improves learning and memory in aged SAMP8 mice but not in diabetic mice. <i>Life Sciences</i> , 2004, 75, 2775-2785.	2.0	34
299	The APOE Genotype: Modification of Therapeutic Responses in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2014, 21, 114-120.	0.9	34
300	Delivery of Therapeutic Peptides and Proteins to the CNS. <i>Advances in Pharmacology</i> , 2014, 71, 277-299.	1.2	34
301	Insulin resistance, dyslipidemia, and apolipoprotein E interactions as mechanisms in cognitive impairment and Alzheimer's disease. <i>Experimental Biology and Medicine</i> , 2016, 241, 1676-1683.	1.1	34
302	Multiple lipopolysaccharide (LPS) injections alter interleukin 6 (IL-6), IL-7, IL-10 and IL-6 and IL-7 receptor mRNA in CNS and spleen. <i>Neuroscience</i> , 2017, 355, 9-21.	1.1	34
303	Cognitive benefits of lithium chloride in APP/PS1 mice are associated with enhanced brain clearance of β^2 -amyloid. <i>Brain, Behavior, and Immunity</i> , 2018, 70, 36-47.	2.0	34
304	Genetics and sex influence peripheral and central innate immune responses and blood-brain barrier integrity. <i>PLoS ONE</i> , 2018, 13, e0205769.	1.1	34
305	Interactions of Lipids, Lipoproteins, and Apolipoproteins with the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2021, 38, 1469-1475.	1.7	34
306	The Blood-Brain Barrier Interface in Diabetes Mellitus: Dysfunctions, Mechanisms and Approaches to Treatment. <i>Current Pharmaceutical Design</i> , 2020, 26, 1438-1447.	0.9	34

#	ARTICLE	IF	CITATIONS
307	A Decade of Changing Perceptions about Neuropeptides. <i>Annals of the New York Academy of Sciences</i> , 1990, 579, 1-7.	1.8	33
308	Binding, internalization, and membrane incorporation of human immunodeficiency virus-1 at the blood-brain barrier is differentially regulated. <i>Neuroscience</i> , 2004, 128, 143-153.	1.1	33
309	Leptin and adiponectin levels in middle-aged postmenopausal women: associations with lifestyle habits, hormones, and inflammatory markers—a cross-sectional study. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1630-1636.	1.5	33
310	Soluble Interleukin-6 Receptor Induces Motor Stereotypies and Co-Localizes with Gp130 in Regions Linked to Cortico-Striato-Thalamo-Cortical Circuits. <i>PLoS ONE</i> , 2012, 7, e41623.	1.1	33
311	Increased Hyaluronan and TSG-6 in Association with Neuropathologic Changes of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 91-102.	1.2	33
312	Modulation of immunoactive levels of DSIP and blood-brain barrier permeability by lighting and diurnal rhythm. <i>Journal of Neuroscience Research</i> , 1985, 14, 347-355.	1.3	32
313	Transmission routes of HIV-1 gp120 from brain to lymphoid tissues. <i>Brain Research</i> , 1999, 822, 26-33.	1.1	32
314	ApoE and cerebral insulin: Trafficking, receptors, and resistance. <i>Neurobiology of Disease</i> , 2020, 137, 104755.	2.1	32
315	Review: Interactions Between the Blood-Brain Barrier and Endogenous Peptides: Emerging Clinical Implications. <i>American Journal of the Medical Sciences</i> , 1988, 295, 459-465.	0.4	31
316	Lipophilic Hexadentate Aluminum Complexes of New Phenolate-Derivatized Cyclohexanetriamine Ligands and Their Effect on the Peptide Transport System (PTS-1). <i>Inorganic Chemistry</i> , 1995, 34, 2143-2152.	1.9	31
317	Susceptibility of juvenile and adult blood-brain barrier to endothelin-1: regulation of P-glycoprotein and breast cancer resistance protein expression and transport activity. <i>Journal of Neuroinflammation</i> , 2012, 9, 273.	3.1	31
318	Saturable efflux of the peptides RC-160 and Tyr-MIF-1 by different parts of the blood-brain barrier. <i>Brain Research Bulletin</i> , 1994, 35, 179-182.	1.4	30
319	Somatostatin receptor subtype-4 agonist NNC 2619100 decreases extracellular and intracellular A β 1-42 trimers. <i>European Journal of Pharmacology</i> , 2012, 683, 116-124.	1.7	30
320	Tauopathies — Focus on Changes at the Neurovascular Unit. <i>Current Alzheimer Research</i> , 2017, 14, 790-801.	0.7	30
321	Alterations in Plasma microRNA and Protein Levels in War Veterans with Chronic Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1418-1430.	1.7	30
322	The aluminum-induced increase in blood-brain barrier permeability to delta-sleep-inducing peptide occurs throughout the brain and is independent of phosphorus and acetylcholinesterase levels. <i>Psychopharmacology</i> , 1985, 86, 84-89.	1.5	29
323	Permeability of the blood-brain barrier to the neurotensin β 13 analog NT1. <i>Brain Research</i> , 1995, 695, 59-63.	1.1	29
324	Passage of murine scrapie prion protein across the mouse vascular blood-brain barrier. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 125-130.	1.0	29

#	ARTICLE	IF	CITATIONS
325	Pharmacokinetics and modeling of immune cell trafficking: quantifying differential influences of target tissues versus lymphocytes in SJL and lipopolysaccharide-treated mice. <i>Journal of Neuroinflammation</i> , 2012, 9, 231.	3.1	29
326	Passage through the Ocular Barriers and Beneficial Effects in Retinal Ischemia of Topical Application of PACAP1-38 in Rodents. <i>International Journal of Molecular Sciences</i> , 2017, 18, 675.	1.8	29
327	Small molecules as central nervous system therapeutics: old challenges, new directions, and a philosophic divide. <i>Future Medicinal Chemistry</i> , 2019, 11, 489-493.	1.1	29
328	Routes for the delivery of insulin to the central nervous system: A comparative review. <i>Experimental Neurology</i> , 2019, 313, 10-15.	2.0	29
329	Foreword: Globalization of the Scientific Literature: CPD as a Case Study. <i>Current Pharmaceutical Design</i> , 2017, 23, 1-2.	0.9	29
330	Delta sleep-inducing peptide (DSIP)-like material is absorbed by the gastrointestinal tract of the neonatal rat. <i>Life Sciences</i> , 1983, 33, 1587-1597.	2.0	28
331	The Blood-Brain Barrier in Psychoneuroimmunology. <i>Immunology and Allergy Clinics of North America</i> , 2009, 29, 223-228.	0.7	28
332	Disruption of the integrity and function of brain microvascular endothelial cells in culture by exposure to diesel engine exhaust particles. <i>Toxicology Letters</i> , 2013, 220, 1-7.	0.4	28
333	Intranasal delivery of N-terminal modified leptin-pluronic conjugate for treatment of obesity. <i>Journal of Controlled Release</i> , 2017, 263, 172-184.	4.8	28
334	Hypothalamic perineuronal net assembly is required for sustained diabetes remission induced by fibroblast growth factor 1 in rats. <i>Nature Metabolism</i> , 2020, 2, 1025-1033.	5.1	28
335	The Blood-Brain Barrier, Oxidative Stress, and Insulin Resistance. <i>Antioxidants</i> , 2021, 10, 1695.	2.2	28
336	Effect of neurotransmitters on the system that transports Tyr-MIF-1 and the enkephalins across the blood-brain barrier: a dominant role for serotonin. <i>Psychopharmacology</i> , 1989, 98, 380-385.	1.5	27
337	Positron Emission Tomography Shows that Intrathecal Leptin Reaches the Hypothalamus in Baboons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 301, 878-883.	1.3	27
338	Permeability of the Blood-Brain Barrier to a Rhenacarborane. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 608-614.	1.3	27
339	Ocular Delivery of PACAP1-27 Protects the Retina From Ischemic Damage in Rodents. , 2016, 57, 6683.		27
340	The Effects of Normal Aging on Regional Accumulation of Hyaluronan and Chondroitin Sulfate Proteoglycans in the Mouse Brain. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 697-707.	1.3	27
341	Passage of Tyr-MIF-1 from blood to brain. <i>Brain Research Bulletin</i> , 1989, 23, 439-442.	1.4	26
342	Lipophilic hexadentate gallium, indium and iron complexes of new phenolate-derivatized cyclohexanetriamines as potential in vivo metal-transfer reagents. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1677-1688.	1.1	26

#	ARTICLE	IF	CITATIONS
343	Obesity-inducing lesions of the central nervous system alter leptin uptake by the blood-brain barrier. <i>Life Sciences</i> , 2001, 69, 2765-2773.	2.0	26
344	Somatostatin receptor subtype-4 agonist NNC 26-9100 mitigates the effect of soluble A β 242 oligomers via a metalloproteinase-dependent mechanism. <i>Brain Research</i> , 2013, 1520, 145-156.	1.1	26
345	Sleep fragmentation and sepsis differentially impact blood-brain barrier integrity and transport of tumor necrosis factor- α in aging. <i>Brain, Behavior, and Immunity</i> , 2015, 50, 259-265.	2.0	26
346	Decoding perineuronal net glycan sulfation patterns in the Alzheimer's disease brain. <i>Alzheimer's and Dementia</i> , 2022, 18, 942-954.	0.4	26
347	Granulocyte Macrophage-Colony Stimulating Factor Crosses the Blood-Testis Barrier in Mice1. <i>Biology of Reproduction</i> , 1997, 57, 822-826.	1.2	25
348	The role of the blood-brain barrier transporter PTS-1 in regulating concentrations of methionine enkephalin in blood and brain. <i>Alcohol</i> , 1997, 14, 237-245.	0.8	25
349	Relative contributions of a CVO and the microvascular bed to delivery of blood-borne IL-1 β to the brain. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E207-E212.	1.8	25
350	Nitric Oxide Activity and Isoenzyme Expression in the Senescence-Accelerated Mouse P8 Model of Alzheimer's Disease: Effects of Anti-Amyloid Antibody and Antisense Treatments. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009, 64A, 1025-1030.	1.7	25
351	Principles of strategic drug delivery to the brain (SDDB): Development of anorectic and orexigenic analogs of leptin. <i>Physiology and Behavior</i> , 2011, 105, 145-149.	1.0	25
352	Role of OATP transporters in steroid uptake by prostate cancer cells in vivo. <i>Prostate Cancer and Prostatic Diseases</i> , 2017, 20, 20-27.	2.0	25
353	Transport of thyroxine across the blood-brain barrier is directed primarily from brain to blood in the mouse. <i>Life Sciences</i> , 1985, 37, 2407-2414.	2.0	24
354	Mediation of serotonin-induced analgesia by the 5HT2 receptor in the pentobarbital anesthetized mouse model. <i>Brain Research Bulletin</i> , 1988, 21, 887-891.	1.4	24
355	Differential metabolism of Tyr-MIF-1 and MIF-1 in rat and human plasma. <i>Biochemical Pharmacology</i> , 1994, 47, 699-710.	2.0	24
356	Aluminum-sensitive degradation of amyloid β -protein1-40 by murine and human intracellular enzymes. <i>Neurotoxicology and Teratology</i> , 1996, 18, 671-677.	1.2	24
357	Nitrative Stress in Cerebral Endothelium is Mediated by mGluR5 in Hyperhomocysteinemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 825-834.	2.4	24
358	Andrographolide attenuates LPS-stimulated up-regulation of C-C and C-X-C motif chemokines in rodent cortex and primary astrocytes. <i>Journal of Neuroinflammation</i> , 2016, 13, 34.	3.1	24
359	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
360	CSF-plasma relationships for DSIP and some other neuropeptides. <i>Pharmacology Biochemistry and Behavior</i> , 1983, 19, 1037-1040.	1.3	23

#	ARTICLE	IF	CITATIONS
361	Effects of a behaviorally active antibody on the brain uptake and clearance of amyloid beta proteins. <i>Peptides</i> , 2005, 26, 287-294.	1.2	23
362	Insulin detemir is not transported across the blood-brain barrier. <i>Peptides</i> , 2010, 31, 2284-2288.	1.2	23
363	Deficient Leptin Cellular Signaling Plays a Key Role in Brain Ultrastructural Remodeling in Obesity and Type 2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5427.	1.8	23
364	Hypoxia and Hypercarbia of Chronic Lung Disease: Minimal Effects on Anterior Pituitary Function. <i>Southern Medical Journal</i> , 1990, 83, 290-293.	0.3	22
365	Lack of saturable transport across the blood-brain barrier in either direction for β -amyloid $_{1-28}$ (Alzheimer's disease protein). <i>Brain Research Bulletin</i> , 1991, 27, 819-823.	1.4	22
366	Chronic peripheral administration of somatostatin receptor subtype-4 agonist NNC 26-9100 enhances learning and memory in SAMP8 mice. <i>European Journal of Pharmacology</i> , 2011, 654, 53-59.	1.7	22
367	SAMP8 mice have altered hippocampal gene expression in long term potentiation, phosphatidylinositol signaling, and endocytosis pathways. <i>Neurobiology of Aging</i> , 2014, 35, 159-168.	1.5	22
368	A Spectrum of Topics for 2019: Advances in Neuroinflammation, Oxidative Stress, Obesity, Diabetes Mellitus, Cardiovascular Disease, Autism, Exosomes, and Central Nervous System Diseases. <i>Current Pharmaceutical Design</i> , 2020, 26, 1-5.	0.9	22
369	Cytokines and the Blood-Brain Barrier. , 2009, , 3-17.		22
370	Perinatal treatment of rats with opiates affects the development of the blood-brain barrier transport system PTS-1. <i>Neurotoxicology and Teratology</i> , 1996, 18, 711-715.	1.2	21
371	Do Objective Measurements of Physical Function in Ambulatory Nursing Home Women Improve Assessment of Functional Status?. <i>Journal of the American Medical Directors Association</i> , 2007, 8, 469-476.	1.2	21
372	Opiate modulation of IL-1 β , IL-2, and TNF- β transport across the blood-brain barrier. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 1096-1102.	2.0	21
373	Telmisartan prevents diet-induced obesity and preserves leptin transport across the blood-brain barrier in high-fat diet-fed mice. <i>Pflügers Archiv European Journal of Physiology</i> , 2018, 470, 1673-1689.	1.3	21
374	Characterization of systemic immunosuppression by IDH mutant glioma small extracellular vesicles. <i>Neuro-Oncology</i> , 2022, 24, 197-209.	0.6	21
375	Effects of neonatal treatment with Tyr-MIF-1, morphiceptin, and morphine on development, tail flick, and blood-brain barrier transport. <i>Developmental Brain Research</i> , 1993, 75, 207-212.	2.1	20
376	Extreme stability of Tyr-MIF-1 in CSF. <i>Neuroscience Letters</i> , 1994, 174, 26-28.	1.0	20
377	Measurement of Efflux Rates from Brain to Blood. , 1997, 73, 353-360.		20
378	Enkephalin, PPE mRNA, and PTS-1 in alcohol withdrawal seizure-prone and -resistant mice. <i>Alcohol</i> , 1998, 15, 25-31.	0.8	20

#	ARTICLE	IF	CITATIONS
379	Peptide transport system-1 (PTS-1) for Tyr-MIF-1 and Met-enkephalin differs from the receptors for either. <i>Brain Research</i> , 1999, 839, 336-340.	1.1	20
380	A Pharmacologically Active Monoclonal Antibody against the Human Melanocortin-4 Receptor: Effectiveness After Peripheral and Central Administration. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 478-490.	1.3	20
381	Cardiorenal Metabolic Syndrome and Diabetic Cognopathy. <i>CardioRenal Medicine</i> , 2013, 3, 265-282.	0.7	20
382	Quantitative analysis of chondroitin sulfate disaccharides from human and rodent fixed brain tissue by electrospray ionization-tandem mass spectrometry. <i>Glycobiology</i> , 2019, 29, 847-860.	1.3	20
383	Cerebrospinal fluid lipidomics: effects of an intravenous triglyceride infusion and apoE status. <i>Metabolomics</i> , 2020, 16, 6.	1.4	20
384	Exchange of Peptides Between the Circulation and the Nervous System: Role of the Blood-Brain Barrier. <i>Advances in Experimental Medicine and Biology</i> , 1990, 274, 59-69.	0.8	20
385	Measurement of Transport of Cytokines across the Blood-Brain Barrier. <i>Methods in Neurosciences</i> , 1993, , 67-77.	0.5	20
386	Ethanol alters the concentration of Met-enkephalin in brain by affecting peptide transport system-1 independent of preproenkephalin mRNA. <i>Journal of Neuroscience Research</i> , 1997, 48, 273-280.	1.3	19
387	Internalization of the opioid growth factor, [Met ⁵]-enkephalin, is dependent on clathrin-mediated endocytosis for downregulation of cell proliferation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R774-R785.	0.9	19
388	Paclitaxel Reduces Brain Injury from Repeated Head Trauma in Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 859-874.	1.2	19
389	Transport of CRH from mouse brain directly affects peripheral production of $\hat{1}^2$ -endorphin by the spleen. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 273, E1083-E1089.	1.8	18
390	Adropin correlates with aging-related neuropathology in humans and improves cognitive function in aging mice. <i>Npj Aging and Mechanisms of Disease</i> , 2021, 7, 23.	4.5	18
391	A historical perspective on the interactions of insulin at the blood-brain barrier. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12929.	1.2	18
392	Insulin Resistance in Peripheral Tissues and the Brain: A Tale of Two Sites. <i>Biomedicines</i> , 2022, 10, 1582.	1.4	18
393	Neuroimmune networks and communication pathways: the importance of location. <i>Brain, Behavior, and Immunity</i> , 2004, 18, 120-122.	2.0	17
394	Mouse models of neurological disorders: A view from the blood-brain barrier. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 881-888.	1.8	17
395	Initial fate of prions upon peripheral infection: half-life, distribution, clearance, and tissue uptake. <i>FASEB Journal</i> , 2011, 25, 2792-2803.	0.2	17
396	Antibody blood-brain barrier efflux is modulated by glycan modification. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2228-2239.	1.1	17

#	ARTICLE	IF	CITATIONS
397	Intranasal Insulin Transport is Preserved in Aged SAMP8 Mice and is Altered by Albumin and Insulin Receptor Inhibition. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 241-252.	1.2	17
398	Resistance to the sympathoexcitatory effects of insulin and leptin in late pregnant rats. <i>Journal of Physiology</i> , 2019, 597, 4087-4100.	1.3	17
399	Chapter 21 Possible therapeutic implications of the effects of some peptides on the brain. <i>Progress in Brain Research</i> , 1987, 72, 223-234.	0.9	16
400	Interactions of β -Amyloids with the Blood-Brain Barrier. <i>Annals of the New York Academy of Sciences</i> , 1997, 826, 190-199.	1.8	16
401	Effects of wheatgerm agglutinin and aging on the regional brain uptake of HIV-1gp120. <i>Life Sciences</i> , 1999, 65, 81-89.	2.0	16
402	Preproenkephalin targeted antisenses cross the blood-brain barrier to reduce brain methionine enkephalin levels and increase voluntary ethanol drinking. <i>Peptides</i> , 2006, 27, 784-796.	1.2	16
403	Neutralizing anti-interleukin-1 β antibodies reduce ischemia-related interleukin-1 β transport across the blood-brain barrier in fetal sheep. <i>Neuroscience</i> , 2017, 346, 113-125.	1.1	16
404	NIH workshop report on the trans-agency blood-brain interface workshop 2016: exploring key challenges and opportunities associated with the blood, brain and their interface. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 12.	2.4	16
405	Ionophore and Biometal Modulation of P-glycoprotein Expression and Function in Human Brain Microvascular Endothelial Cells. <i>Pharmaceutical Research</i> , 2018, 35, 83.	1.7	16
406	Inter-alpha inhibitor proteins attenuate lipopolysaccharide-induced blood-brain barrier disruption and downregulate circulating interleukin 6 in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1090-1102.	2.4	16
407	Pericytes Suppress Brain Metastasis from Lung Cancer In Vitro. <i>Cellular and Molecular Neurobiology</i> , 2020, 40, 113-121.	1.7	16
408	The microvascular extracellular matrix in brains with Alzheimer's disease neuropathologic change (ADNC) and cerebral amyloid angiopathy (CAA). <i>Fluids and Barriers of the CNS</i> , 2020, 17, 60.	2.4	16
409	Analgesia and the blood-brain barrier transport system for Tyr-MIF-1/enkephalins: Evidence for a dissociation. <i>Neuropharmacology</i> , 1988, 27, 175-179.	2.0	15
410	Effect of cardiac arrest on brain weight and the permeability of the blood-brain and blood-spinal cord barrier to albumin and tumor necrosis factor- α . <i>Life Sciences</i> , 1999, 65, 2127-2134.	2.0	15
411	Human immunodeficiency virus type 1 transport across the in vitro mouse brain endothelial cell monolayer. <i>Experimental Neurology</i> , 2005, 193, 101-109.	2.0	15
412	Predictors of serum testosterone and DHEAS in African-American men. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 31, 070508211138001-???	3.6	15
413	Leucine Modulates Peptide Transport System-1 Across the Blood-brain Barrier at a Stereospecific Site within the Central Nervous System. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 252-254.	1.2	15
414	Twenty-one hormones fail to inhibit the brain to blood transport system for Tyr-MIF-1 and the enkephalins in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 40, 289-291.	1.2	15

#	ARTICLE	IF	CITATIONS
415	Antisense against Amyloid- β^2 Protein Precursor Reverses Memory Deficits and Alters Gene Expression in Neurotropic and Insulin-Signaling Pathways in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 535-548.	1.2	15
416	Microvasculature of the Mouse Cerebral Cortex Exhibits Increased Accumulation and Synthesis of Hyaluronan With Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw213.	1.7	15
417	The SAMP8 mouse for investigating memory and the role of insulin in the brain. <i>Experimental Gerontology</i> , 2017, 94, 64-68.	1.2	15
418	Identifying and categorizing spurious weight data in electronic medical records. <i>American Journal of Clinical Nutrition</i> , 2018, 107, 420-426.	2.2	15
419	Topiramate Protects Pericytes from Glucotoxicity: Role for Mitochondrial CA VA in Cerebrovascular Disease in Diabetes. <i>Journal of Endocrinology and Diabetes</i> , 2015, 2, .	0.2	15
420	Mechanisms of HIV Type 1-Induced Cognitive Impairment: Evidence for Hippocampal Cholinergic Involvement with Overstimulation of the VIPergic System by the Viral Coat Protein Core. <i>AIDS Research and Human Retroviruses</i> , 2002, 18, 1189-1195.	0.5	14
421	Passive diffusion of naltrexone into human and animal cells and upregulation of cell proliferation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R844-R852.	0.9	14
422	Association Between Alzheimer Dementia Mortality Rate and Altitude in California Counties. <i>JAMA Psychiatry</i> , 2015, 72, 1253.	6.0	14
423	Modulators of IgG penetration through the blood-brain barrier: Implications for Alzheimer's disease immunotherapy. <i>Human Antibodies</i> , 2017, 25, 131-146.	0.6	14
424	DenialVersusDualism: The Blood-Brain Barrier as an Interface of the Gut-Brain Axis. <i>Endocrinology</i> , 2006, 147, 2609-2610.	1.4	13
425	Apolipoprotein E Genotype and Sex Influence Glucose Tolerance in Older Adults: A Cross-Sectional Study. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 78-89.	0.6	13
426	Traumatic Brain Injury Broadly Affects GABAergic Signaling in Dentate Gyrus Granule Cells. <i>ENeuro</i> , 2021, 8, ENEURO.0055-20.2021.	0.9	13
427	Binding of Tyr-MIF-1 to isolated brain capillaries. <i>Brain Research Bulletin</i> , 1986, 17, 829-831.	1.4	12
428	Orally administered cyclo(His-Pro) reduces ethanol-induced narcosis in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1992, 43, 939-941.	1.3	12
429	The SAMP8 mouse as a model for Alzheimer disease: studies from Saint Louis University. <i>International Congress Series</i> , 2004, 1260, 23-28.	0.2	12
430	Mediation of chronic pain: Not by neurons alone. <i>Pain</i> , 2006, 124, 1-2.	2.0	12
431	Pharmacologic manipulation of lysosomal enzyme transport across the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 476-486.	2.4	12
432	Assessing blood granulocyte colony-stimulating factor as a potential biomarker of acute traumatic brain injury in mice and humans. <i>Brain, Behavior, and Immunity</i> , 2016, 52, 81-87.	2.0	12

#	ARTICLE	IF	CITATIONS
433	Molecular Mechanisms of Intranasal Insulin in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1361-1373.	1.2	12
434	Prolonged culturing of iPSC-derived brain endothelial-like cells is associated with quiescence, downregulation of glycolysis, and resistance to disruption by an Alzheimer's brain milieu. <i>Fluids and Barriers of the CNS</i> , 2022, 19, 10.	2.4	12
435	Withdrawal from alcohol in withdrawal seizure-prone and -resistant mice: evidence for enkephalin resistance. <i>Pharmacology Biochemistry and Behavior</i> , 2001, 68, 379-387.	1.3	11
436	Effects of chronic ethanol on brain and serum level of methionine enkephalin. <i>Peptides</i> , 2003, 24, 1935-1940.	1.2	11
437	Disability in obese elderly women: Lower limb strength and recreational physical activity. <i>Obesity Research and Clinical Practice</i> , 2007, 1, 39-51.	0.8	11
438	Immunotherapy and neuroimmunology in Alzheimer's disease: a perspective from the blood-brain barrier. <i>Immunotherapy</i> , 2010, 2, 1-3.	1.0	11
439	Comparison of the rate of dedifferentiation with increasing passages among cell sources for an in vitro model of the blood-brain barrier. <i>Journal of Neural Transmission</i> , 2020, 127, 1117-1124.	1.4	11
440	The neurovascular extracellular matrix in health and disease. <i>Experimental Biology and Medicine</i> , 2021, 246, 835-844.	1.1	11
441	The general anesthesia induced by various drugs differentially affects analgesia and its variability. <i>Pharmacology Biochemistry and Behavior</i> , 1988, 31, 397-403.	1.3	10
442	Effects of various reproductive hormones on the penetration of LHRH across the blood-brain barrier. <i>Pharmacology Biochemistry and Behavior</i> , 1992, 41, 255-257.	1.3	10
443	CNS effects of peptides: A cross-listing of peptides and their central actions published in the journal <i>Peptides</i> , 1986-1993. <i>Peptides</i> , 1994, 15, 1105-1155.	1.2	10
444	Study of Passage of Peptides across the Blood-Brain Barrier: Biological Effects of cyclo(His-Pro) after Intravenous and Oral Administration. <i>Annals of the New York Academy of Sciences</i> , 1994, 739, 101-107.	1.8	10
445	The dam breaks: disruption of the blood-brain barrier in diabetes mellitus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2595-H2596.	1.5	10
446	Hyperhomocysteinemic Mice Show Cognitive Impairment Without Features of Alzheimer's Disease Phenotype. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 59-66.	1.2	10
447	Insulin BBB pharmacokinetics in young apoE male and female transgenic mice. <i>PLoS ONE</i> , 2020, 15, e0228455.	1.1	10
448	Blind mice are not impaired in T-maze footshock avoidance acquisition and retention. <i>Physiology and Behavior</i> , 2002, 76, 531-538.	1.0	9
449	Evidence that the species barrier of human immunodeficiency virus-1 does not extend to uptake by the blood-brain barrier: Comparison of mouse and human brain microvessels. <i>Life Sciences</i> , 2005, 77, 2361-2368.	2.0	9
450	Adiponectin levels in obese and non-obese middle-aged African-American women. <i>Obesity Research and Clinical Practice</i> , 2007, 1, 27-37.	0.8	9

#	ARTICLE	IF	CITATIONS
451	The Blood Brain Barrier. , 2008, , 21-38.		9
452	Chronic elevation of plasma vascular endothelial growth factor-A (VEGF-A) is associated with a history of blast exposure. Journal of the Neurological Sciences, 2020, 417, 117049.	0.3	9
453	The Bradykinin B2 Receptor Agonist (NG291) Causes Rapid Onset of Transient Bloodâ€“Brain Barrier Disruption Without Evidence of Early Brain Injury. Frontiers in Neuroscience, 2021, 15, 791709.	1.4	9
454	Selective uptake of the somatostatin analog RC-160 across the blood-brain tumor barrier of mice with KHT sarcomas. Anti-Cancer Drugs, 1992, 3, 519-524.	0.7	8
455	The History of Neuropeptide Research: Version 5.a. Annals of the New York Academy of Sciences, 1996, 780, 1-18.	1.8	8
456	Regional differences in the metabolism of Tyr-MIF-1 and Tyr-W-MIF-1 by rat brain mitochondria. Biochemical Pharmacology, 1998, 55, 33-36.	2.0	8
457	Effects of peptides: a cross-listing of peptides and their central actions published in the journal Peptides from 1994 through 1998. Peptides, 1999, 20, 1127-1138.	1.2	8
458	Melanocyteâ€“Stimulating Hormone Releaseâ€“Inhibiting Factorâ€“1 (MIFâ€“1) Can Be Formed from Tyrâ€“MIFâ€“1 in Brain Mitochondria but Not in Brain Homogenate. Journal of Neurochemistry, 1995, 64, 1855-1859.	2.1	8
459	Influence of Ethanol Dependence and Methionine Enkephalin Antisense on Serum Endomorphin-1 and Methionine Enkephalin Levels. Alcoholism: Clinical and Experimental Research, 2004, 28, 792-796.	1.4	8
460	Computational and In Vitro Studies of Blast-Induced Blood-Brain Barrier Disruption. SIAM Journal of Scientific Computing, 2016, 38, B347-B374.	1.3	8
461	Development of rhenacarborane complexes as central nervous system (CNS) drug delivery agents. Inorganica Chimica Acta, 2017, 466, 139-144.	1.2	8
462	Effects of apolipoprotein E isoform, sex, and diet on insulin BBB pharmacokinetics in mice. Scientific Reports, 2021, 11, 18636.	1.6	8
463	Leptin and the Bloodâ€“Brain Barrier: Curiosities and Controversies. , 2021, 11, 2351-2369.		8
464	Insulin blood-brain barrier transport and interactions are greater following exercise in mice. Journal of Applied Physiology, 2022, 132, 824-834.	1.2	8
465	Brain-to-Blood Transport of Peptides and the Alcohol Withdrawal Syndrome. Annals of the New York Academy of Sciences, 1994, 739, 108-118.	1.8	7
466	Transport of an Antifungal Trypsin Inhibitor Isolated from Corn across the Blood-Brain Barrier. Antimicrobial Agents and Chemotherapy, 2002, 46, 2633-2635.	1.4	7
467	Antisense therapeutics and the treatment of CNS disease. Frontiers in Bioscience - Landmark, 2004, 9, 1720.	3.0	7
468	Effects of chronic ethanol administration on brain interstitial fluid levels of Methionine-enkephalin as measured by microdialysis in vivo. Peptides, 2006, 27, 2201-2206.	1.2	7

#	ARTICLE	IF	CITATIONS
469	Decreased blood-brain barrier expression of P-glycoprotein in Alzheimer's disease: impact on pathogenesis and brain access of therapeutic agents. <i>Therapeutic Delivery</i> , 2011, 2, 841-844.	1.2	7
470	Pituitary adenylate cyclase-activating polypeptide enhances saliva secretion via direct binding to PACAP receptors of major salivary glands in mice. <i>Anatomical Record</i> , 2016, 299, 1293-1299.	0.8	7
471	Modest Blood-Brain Barrier Permeability of the Cyclodextrin Kleptose: Modification by Efflux and Luminal Surface Binding. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 121-129.	1.3	7
472	Intranasal Delivery: Effects on the Neuroimmune Axes and Treatment of Neuroinflammation. <i>Pharmaceutics</i> , 2020, 12, 1120.	2.0	7
473	Peptide Transport System-1. , 1995, , 111-117.		7
474	Pituitary adenylate cyclase-activating polypeptide: Protective effects in stroke and dementia. <i>Peptides</i> , 2020, 130, 170332.	1.2	7
475	Changes in Brain Matrix Glycan Sulfation Associate With Reactive Gliosis and Motor Coordination in Mice With Head Trauma. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 745288.	1.0	7
476	Transcellular routes of blood-brain barrier disruption. <i>Experimental Biology and Medicine</i> , 2022, 247, 788-796.	1.1	7
477	Uptake, Content Regulation of Plasma Concentrations, and Binding of Tyr-MIF-1 by the Adrenals. <i>Neuroendocrinology</i> , 1993, 57, 541-549.	1.2	6
478	Ferrotransferrin and Antibody against the Transferrin Receptor as Potential Vehicles for Drug Delivery across the Mammalian Blood-Brain Barrier into the Central Nervous System. <i>Methods in Neurosciences</i> , 1994, 21, 93-117.	0.5	6
479	Biodistribution of the lipophilic complexes $^{59}\text{Fe}(\text{RsalH}_2)_3\text{tach}$ (R = H, NO ₂ and OMe) and $^{68}\text{Ga}(\text{NO}_2\text{salH}_2)_3\text{tach}$. <i>Nuclear Medicine and Biology</i> , 1996, 23, 645-652.	0.3	6
480	Transport of Antisense Across the Blood-Brain Barrier. , 2005, 106, 237-252.		6
481	The Effect of Cardiac Arrest on the Permeability of the Mouse Blood-Brain and Blood-Spinal Cord Barriers to PACAP. <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 289-292.	1.8	6
482	Blood-Brain Barrier Transport of Cytokines. <i>NeuroImmune Biology</i> , 2008, , 93-107.	0.2	6
483	Editorial [Hot Topic: The Blood-Brain Barrier as a Cause of Disease (Executive Editor: William A. Banks)]. <i>Current Pharmaceutical Design</i> , 2008, 14, 1553-1554.	0.9	6
484	Extrahypothalamic Effects of Leptin: A Therapeutic for Depression and Dementia?. <i>Endocrinology</i> , 2011, 152, 2539-2541.	1.4	6
485	Protective effects of an anti-melanocortin-4 receptor scFv derivative in lipopolysaccharide-induced cachexia in rats. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2013, 4, 79-88.	2.9	6
486	Artificial Emotions: Robots Caring for the Elderly. <i>Journal of the American Medical Directors Association</i> , 2013, 14, 635-636.	1.2	6

#	ARTICLE	IF	CITATIONS
487	Alpha Adrenergic Induction of Transport of Lysosomal Enzyme across the Blood-Brain Barrier. PLoS ONE, 2015, 10, e0142347.	1.1	6
488	Effect of controlled cortical impact on the passage of pituitary adenylate cyclase activating polypeptide (PACAP) across the blood-brain barrier. Peptides, 2018, 99, 8-13.	1.2	6
489	The impact of acute rosiglitazone on insulin pharmacokinetics at the blood-brain barrier. Endocrinology, Diabetes and Metabolism, 2020, 3, e00149.	1.0	6
490	Pitavastatin Ameliorates Lipopolysaccharide-Induced Blood-Brain Barrier Dysfunction. Biomedicines, 2021, 9, 837.	1.4	6
491	Permeability of the Blood-Brain Barrier to Circulating Free Fatty Acids. , 1997, , 3-14.		6
492	Amyloid Beta Pathology Exacerbates Weight Loss and Brain Cytokine Responses following Low-Dose Lipopolysaccharide in Aged Female Tg2576 Mice. International Journal of Molecular Sciences, 2022, 23, 2377.	1.8	6
493	Uptake of peptides containing Tyr-Pro by human and mouse erythrocytes. Biochemical Pharmacology, 1990, 40, 607-614.	2.0	5
494	Delayed degradation of Tyr-MIF-1 in neonatal rat plasma. Peptides, 1994, 15, 1561-1563.	1.2	5
495	Endocrine and metabolic changes in human aging. Age, 2000, 23, 103-115.	3.0	5
496	A Vagina Monologue: Mom's Stress, Bugs, and Baby's Brain. Endocrinology, 2015, 156, 3066-3068.	1.4	5
497	Negative allelopathic effects of rutin and quercetin on fourteen soil and enteric microbes. Biochemical Systematics and Ecology, 1978, 6, 1-3.	0.6	4
498	Peptides and the senescent blood-brain barrier. Neurobiology of Aging, 1988, 9, 48-49.	1.5	4
499	A Giant Prolactinoma and the Effect of Chronic Bromocriptine Therapy on Basal and TRH-Stimulated Serum Prolactin Levels. Hormone Research, 1991, 35, 167-169.	1.8	4
500	In Vitro Methods in the Study of Viral and Prion Permeability Across the Blood-brain Barrier. Cellular and Molecular Neurobiology, 2005, 25, 171-181.	1.7	4
501	Differentiating the Influences of Aging and Adiposity on Brain Weights, Levels of Serum and Brain Cytokines, Gastrointestinal Hormones, and Amyloid Precursor Protein. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 21-29.	1.7	4
502	Novel Concepts from Novel Peptides. Annals of the New York Academy of Sciences, 1994, 739, 1-10.	1.8	3
503	Antiaging methods and medicines for the memory. Clinics in Geriatric Medicine, 2004, 20, 317-328.	1.0	3
504	Drug transport into the central nervous system: using newer findings about the blood-brain barriers. Drug Delivery and Translational Research, 2012, 2, 152-159.	3.0	3

#	ARTICLE	IF	CITATIONS
505	New horizons for future research – Critical issues to consider for maximizing research excellence and impact. <i>Molecular Metabolism</i> , 2018, 14, 53-59.	3.0	3
506	Effects of Rapamycin on Insulin Brain Endothelial Cell Binding and Blood–Brain Barrier Transport. <i>Medical Sciences</i> (Basel, Switzerland), 2021, 9, 56.	1.3	3
507	Transport of Pituitary Adenylate Cyclase Activating Polypeptide Across the Blood–Brain Barrier: Consequences for Disease States and Therapeutic Effects. <i>Current Topics in Neurotoxicity</i> , 2016, , 423-432.	0.4	3
508	Selective Transport Across the Blood-Brain Barrier. <i>Annals of Internal Medicine</i> , 1986, 105, 472.	2.0	3
509	The next chapter for COVID-19: A respiratory virus inflames the brain. <i>Brain, Behavior, and Immunity</i> , 2022, 101, 286-287.	2.0	3
510	Increase in plasma Tyr-MIF-1-like immunoreactivity after hypophysectomy is robust and reversible by corticosterone. <i>Neuropeptides</i> , 1995, 28, 65-71.	0.9	2
511	Role of LPS and receptor subtypes in the uptake of TNF by the murine lung. <i>Life Sciences</i> , 2001, 69, 791-802.	2.0	2
512	Development of peptide receptor binding assays: Methods to avoid false negatives. <i>Regulatory Peptides</i> , 2009, 158, 97-102.	1.9	2
513	The Blood-Brain Barriers. , 2017, , 5-24.		2
514	Methods Employed to Assess Weight Loss in Older Adults by Means of Electronic Medical Records: A Systematic Review. <i>Journal of Nutrition in Gerontology and Geriatrics</i> , 2017, 36, 18-30.	0.4	2
515	Chronic Fatigue Syndrome: Possible Integration of Hormonal and Immunological Observations. , 1997, , 161-192.		2
516	Measurement of Phosphorothioate Oligodeoxynucleotide Antisense Transport Across the Blood–Brain Barrier. <i>Methods in Molecular Biology</i> , 2011, 789, 337-342.	0.4	2
517	Role of the Blood–Brain Barrier in Communication between the Central Nervous System and the Peripheral Tissues. , 2004, , 73-81.		1
518	Mechanisms of Antisense Transport across the Blood–Brain Barrier. , 2004, , 99-105.		1
519	Commentaries on "Insulin Resistance, Affective Disorders, and Alzheimer's Disease: Review and Hypothesis" and Authors' Response: Commentary. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2004, 59, M184-M185.	1.7	1
520	Gut-Brain Communications: Not the Same at All Ages. <i>Endocrinology</i> , 2010, 151, 852-854.	1.4	1
521	Foreword:. <i>Current Pharmaceutical Design</i> , 2014, 21, 1-2.	0.9	1
522	Commentary on the 2018 Named Series on blood-brain interfaces: Roles of neuroimmunomodulation in health and disease. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 3-6.	2.0	1

#	ARTICLE	IF	CITATIONS
523	1795-P: Novel Techniques for the Analysis of Brain Chondroitin Sulfates in Rodents and Humans with Type 2 Diabetes. <i>Diabetes</i> , 2019, 68, 1795-P.	0.3	1
524	Brain uptake and distribution patterns of 2-hydroxypropyl- β -cyclodextrin after intrathecal and intranasal administration. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 1152-1159.	1.2	1
525	Measurement of Blood-Brain Barrier Disruption in Mice Following Ozone Exposure Using Highly Sensitive Radiotracer Assays. <i>Current Protocols</i> , 2022, 2, .	1.3	1
526	Blood to brain passage of PACAP27. <i>Regulatory Peptides</i> , 1992, 37, 337.	1.9	0
527	The Blood-Brain Barrier: Methods for the Study of Peptide Transport Mechanisms. Introduction to Part II. <i>Annals of the New York Academy of Sciences</i> , 1994, 739, 87-88.	1.8	0
528	Psychologic Profiles as Predictors of Success in a Cardiovascular Risk Factors Life-style Intervention Program. <i>Southern Medical Journal</i> , 1996, 89, 971-976.	0.3	0
529	Saturable transport of the neurokinin-1 non-peptide antagonist LY303870 across the rat blood-brain barrier after intravenous administration. <i>Life Sciences</i> , 2001, 69, 1683-1689.	2.0	0
530	Other Dementias. , 0, , 1111-1133.		0
531	Leptin, Insulin and Blood-Brain Barrier Relations in Obesity. , 2005, , 199-215.		0
532	Toward better times: The period of improving animal models in the quest for the treatment of disease*. <i>Critical Care Medicine</i> , 2006, 34, 2865-2866.	0.4	0
533	A Tribute to a Living Legend. <i>Current Pharmaceutical Design</i> , 2012, 18, i-i.	0.9	0
534	Diseases Mediated by the BBB. , 2013, , 1667-1671.		0
535	Ingestive Peptides. , 2013, , 1677-1681.		0
536	Quantifying altitude of human habitation in studies of human health using geographical name server data. <i>Geospatial Health</i> , 2016, 11, 463.	0.3	0
537	F4-04: APOE GENOTYPE INFLUENCES BRAIN TO BLOOD GLUCOSE RATIOS AFTER HIGH FAT FEEDING. <i>Alzheimer's and Dementia</i> , 2018, 14, P1383.	0.4	0
538	Age and cognitive diagnosis influence cerebrospinal fluid ketone levels after a triglyceride infusion in older adults. <i>Alzheimer's and Dementia</i> , 2020, 16, e037716.	0.4	0
539	Transport of the Chemokines CCL5 and CCL2 Across the Mouse Blood-Brain Barrier under Physiological and Inflammatory Conditions. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
540	Editorial: Application for Nanotechnology for the Treatment of Brain Diseases and Disorders. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 743160.	2.0	0

#	ARTICLE	IF	CITATIONS
541	The Effect of Cardiac Arrest on the Blood-Testis Barrier to Albumin and Tumor Necrosis Factor-Alpha in the Mouse. The Showa University Journal of Medical Sciences, 2000, 12, 119-125.	0.1	0
542	Diseases Mediated by the BBB: From Alzheimer's to Obesity. , 2006, , 1475-1479.		0
543	Ingestive Peptides and the Bloodâ€“Brain Barrier. , 2006, , 1455-1459.		0
544	Ischemia Accentuates the Transfer of Interleukinâ€“1 ^{Î²} Across the Bloodâ€“Brain Barrier in the Ovine Fetus. FASEB Journal, 2012, 26, 707.1.	0.2	0
545	Relationship of Clinical to Basic Research with Peptides as Illustrated by MSH. , 1986, , 645-652.		0
546	Science, Citation, and Funding. Science, 1991, 251, 1410-1410.	6.0	0
547	1958-P: Role of Leptin in Blood-Brain Barrier Dysfunction. Diabetes, 2019, 68, .	0.3	0
548	1771-P: Hypothalamic Perineuronal Net Assembly Is Required for Sustained Diabetes Remission Induced by FGF1. Diabetes, 2020, 69, .	0.3	0
549	Viable human brain microvessels for the study of aging and neurodegenerative diseases. Microvascular Research, 2022, 140, 104282.	1.1	0
550	Abba J. Kastin â€“ Obituary. Peptides, 2022, , 170804.	1.2	0