

William A Banks

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

536
papers

35,477
citations

98
h-index

165
g-index

567
ext. papers

39,733
ext. citations

5.6
avg, IF

7.85
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 536 | The Next Chapter for COVID-19: A Respiratory Virus Inflames the Brain.. <i>Brain, Behavior, and Immunity</i> , 2022 , 101, 286-286 | 16.6 | 0 |
| 535 | 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 | 7 | 1 |
| 534 | Amyloid Beta Pathology Exacerbates Weight Loss and Brain Cytokine Responses following Low-Dose Lipopolysaccharide in Aged Female Tg2576 Mice.. <i>International Journal of Molecular Sciences</i> , 2022 , 23, | 6.3 | 1 |
| 533 | Transcellular routes of blood-brain barrier disruption.. <i>Experimental Biology and Medicine</i> , 2022 , 1535370-221080745 | 3.7 | 29 |
| 532 | Viable human brain microvessels for the study of aging and neurodegenerative diseases. <i>Microvascular Research</i> , 2021 , 140, 104282 | 3.7 | |
| 531 | 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 | 3.5 | 0 |
| 530 | The Blood-Brain Barrier, Oxidative Stress, and Insulin Resistance. <i>Antioxidants</i> , 2021 , 10, | 7.1 | 5 |
| 529 | Healthy aging and the blood-brain barrier. <i>Nature Aging</i> , 2021 , 1, 243-254 | | 29 |
| 528 | Interactions of SARS-CoV-2 with the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 30 |
| 527 | 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, | 6.3 | 8 |
| 526 | Development of Novel Therapeutics Targeting the Blood-Brain Barrier: From Barrier to Carrier. <i>Advanced Science</i> , 2021 , 8, e2101090 | 13.6 | 16 |
| 525 | The neurovascular extracellular matrix in health and disease. <i>Experimental Biology and Medicine</i> , 2021 , 246, 835-844 | 3.7 | 4 |
| 524 | The S1 protein of SARS-CoV-2 crosses the blood-brain barrier in mice. <i>Nature Neuroscience</i> , 2021 , 24, 368-378 | 25.5 | 143 |
| 523 | Traumatic Brain Injury Broadly Affects GABAergic Signaling in Dentate Gyrus Granule Cells. <i>ENeuro</i> , 2021 , 8, | 3.9 | 1 |
| 522 | Pitavastatin Ameliorates Lipopolysaccharide-Induced Blood-Brain Barrier Dysfunction. <i>Biomedicines</i> , 2021 , 9, | 4.8 | 3 |
| 521 | 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 | 5.5 | 2 |
| 520 | Effects of Rapamycin on Insulin Brain Endothelial Cell Binding and Blood-Brain Barrier Transport. <i>Medical Sciences (Basel, Switzerland)</i> , 2021 , 9, | 3.3 | 1 |

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| 519 | Effects of apolipoprotein E isoform, sex, and diet on insulin BBB pharmacokinetics in mice. <i>Scientific Reports</i> , 2021 , 11, 18636 | 4.9 | 0 |
| 518 | Leptin and the Blood-Brain Barrier: Curiosities and Controversies. <i>Comprehensive Physiology</i> , 2021 , 11, 2351-2369 | 7.7 | 3 |
| 517 | Decoding perineuronal net glycan sulfation patterns in the Alzheimer's disease brain. <i>Alzheimeris and Dementia</i> , 2021 , | 1.2 | 2 |
| 516 | Interactions of Lipids, Lipoproteins, and Apolipoproteins with the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2021 , 38, 1469-1475 | 4.5 | 4 |
| 515 | A historical perspective on the interactions of insulin at the blood-brain barrier. <i>Journal of Neuroendocrinology</i> , 2021 , 33, e12929 | 3.8 | 3 |
| 514 | The Bradykinin B2 Receptor Agonist (NG291) Causes Rapid Onset of Transient Blood-Brain Barrier Disruption Without Evidence of Early Brain Injury.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 791709 | 5.1 | 0 |
| 513 | Age and cognitive diagnosis influence cerebrospinal fluid ketone levels after a triglyceride infusion in older adults. <i>Alzheimeris and Dementia</i> , 2020 , 16, e037716 | 1.2 | |
| 512 | 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 | 4.3 | 4 |
| 511 | Nitric oxide synthase mediates cerebellar dysfunction in mice exposed to repetitive blast-induced mild traumatic brain injury. <i>Scientific Reports</i> , 2020 , 10, 9420 | 4.9 | 13 |
| 510 | In vitro modeling of blood-brain barrier and interface functions in neuroimmune communication. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 26 | 7 | 25 |
| 509 | The impact of acute rosiglitazone on insulin pharmacokinetics at the blood-brain barrier. <i>Endocrinology, Diabetes and Metabolism</i> , 2020 , 3, e00149 | 2.7 | 1 |
| 508 | Transport of Extracellular Vesicles across the Blood-Brain Barrier: Brain Pharmacokinetics and Effects of Inflammation. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 82 |
| 507 | 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 | 3.3 | 16 |
| 506 | 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 | 5.4 | 15 |
| 505 | ApoE and cerebral insulin: Trafficking, receptors, and resistance. <i>Neurobiology of Disease</i> , 2020 , 137, 104755 | 7.55 | 20 |
| 504 | Insulin BBB pharmacokinetics in young apoE male and female transgenic mice. <i>PLoS ONE</i> , 2020 , 15, e0223455 | 3.455 | 4 |
| 503 | The Blood-Brain Barrier Interface in Diabetes Mellitus: Dysfunctions, Mechanisms and Approaches to Treatment. <i>Current Pharmaceutical Design</i> , 2020 , 26, 1438-1447 | 3.3 | 18 |
| 502 | 1771-P: Hypothalamic Perineuronal Net Assembly Is Required for Sustained Diabetes Remission Induced by FGF1. <i>Diabetes</i> , 2020 , 69, 1771-P | 0.9 | |

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|-----|---|------|----|
| 501 | Pituitary adenylate cyclase-activating polypeptide: Protective effects in stroke and dementia. <i>Peptides</i> , 2020 , 130, 170332 | 3.8 | 5 |
| 500 | 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 | 7 | 7 |
| 499 | Chronic elevation of plasma vascular endothelial growth factor-A (VEGF-A) is associated with a history of blast exposure. <i>Journal of the Neurological Sciences</i> , 2020 , 417, 117049 | 3.2 | 2 |
| 498 | Intranasal Delivery: Effects on the Neuroimmune Axes and Treatment of Neuroinflammation. <i>Pharmaceutics</i> , 2020 , 12, | 6.4 | 6 |
| 497 | Brain uptake pharmacokinetics of incretin receptor agonists showing promise as Alzheimer's and Parkinson's disease therapeutics. <i>Biochemical Pharmacology</i> , 2020 , 180, 114187 | 6 | 20 |
| 496 | 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 | 14.6 | 11 |
| 495 | 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 | 7.3 | 14 |
| 494 | Pericytes Suppress Brain Metastasis from Lung Cancer In Vitro. <i>Cellular and Molecular Neurobiology</i> , 2020 , 40, 113-121 | 4.6 | 8 |
| 493 | 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 | 4.3 | 36 |
| 492 | Molecular Mechanisms of Intranasal Insulin in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2019 , 71, 1361-1373 | 14.3 | 36 |
| 491 | Paclitaxel Reduces Brain Injury from Repeated Head Trauma in Mice. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 859-874 | 4.3 | 10 |
| 490 | The blood-brain barrier as an endocrine tissue. <i>Nature Reviews Endocrinology</i> , 2019 , 15, 444-455 | 15.2 | 52 |
| 489 | Role of the Blood-Brain Barrier in Central Nervous System Insulin Resistance. <i>Frontiers in Neuroscience</i> , 2019 , 13, 521 | 5.1 | 75 |
| 488 | Age-Associated Changes in the Immune System and Blood-Brain Barrier Functions. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 61 |
| 487 | Small molecules as central nervous system therapeutics: old challenges, new directions, and a philosophic divide. <i>Future Medicinal Chemistry</i> , 2019 , 11, 489-493 | 4.1 | 16 |
| 486 | 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 | 15.1 | 63 |
| 485 | 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 | 5.8 | 9 |
| 484 | Resistance to the sympathoexcitatory effects of insulin and leptin in late pregnant rats. <i>Journal of Physiology</i> , 2019 , 597, 4087-4100 | 3.9 | 12 |

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| 483 | 1958-P: Role of Leptin in Blood-Brain Barrier Dysfunction. <i>Diabetes</i> , 2019 , 68, 1958-P | 0.9 | |
| 482 | 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 | 0.9 | |
| 481 | Cerebrospinal fluid lipidomics: effects of an intravenous triglyceride infusion and apoE status. <i>Metabolomics</i> , 2019 , 16, 6 | 4.7 | 9 |
| 480 | 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 | 4.7 | 5 |
| 479 | 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 | 4.3 | 19 |
| 478 | 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 | 7 | 53 |
| 477 | Routes for the delivery of insulin to the central nervous system: A comparative review. <i>Experimental Neurology</i> , 2019 , 313, 10-15 | 5.7 | 15 |
| 476 | Ionophore and Biometal Modulation of P-glycoprotein Expression and Function in Human Brain Microvascular Endothelial Cells. <i>Pharmaceutical Research</i> , 2018 , 35, 83 | 4.5 | 12 |
| 475 | 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 | 22.5 | 134 |
| 474 | Identifying and categorizing spurious weight data in electronic medical records. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 420-426 | 7 | 3 |
| 473 | Cognitive benefits of lithium chloride in APP/PS1 mice are associated with enhanced brain clearance of β amyloid. <i>Brain, Behavior, and Immunity</i> , 2018 , 70, 36-47 | 16.6 | 21 |
| 472 | Triglycerides cross the blood-brain barrier and induce central leptin and insulin receptor resistance. <i>International Journal of Obesity</i> , 2018 , 42, 391-397 | 5.5 | 83 |
| 471 | Insulin transport across the blood-brain barrier can occur independently of the insulin receptor. <i>Journal of Physiology</i> , 2018 , 596, 4753-4765 | 3.9 | 53 |
| 470 | 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 | 4.9 | 33 |
| 469 | 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 | 4.6 | 14 |
| 468 | New horizons for future research - Critical issues to consider for maximizing research excellence and impact. <i>Molecular Metabolism</i> , 2018 , 14, 53-59 | 8.8 | 2 |
| 467 | Gut reactions: How the blood-brain barrier connects the microbiome and the brain. <i>Experimental Biology and Medicine</i> , 2018 , 243, 159-165 | 3.7 | 97 |
| 466 | Nanoformulation of Brain-Derived Neurotrophic Factor with Target Receptor-Triggered-Release in the Central Nervous System. <i>Advanced Functional Materials</i> , 2018 , 28, 1703982 | 15.6 | 40 |

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| 465 | 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 | 7.3 | 52 |
| 464 | Effect of controlled cortical impact on the passage of pituitary adenylate cyclase activating polypeptide (PACAP) across the blood-brain barrier. <i>Peptides</i> , 2018 , 99, 8-13 | 3.8 | 5 |
| 463 | F4-01-04: APOE GENOTYPE INFLUENCES BRAIN TO BLOOD GLUCOSE RATIOS AFTER HIGH FAT FEEDING 2018 , 14, P1383-P1383 | | |
| 462 | Ghrelin transport across the blood-brain barrier can occur independently of the growth hormone secretagogue receptor. <i>Molecular Metabolism</i> , 2018 , 18, 88-96 | 8.8 | 39 |
| 461 | Genetics and sex influence peripheral and central innate immune responses and blood-brain barrier integrity. <i>PLoS ONE</i> , 2018 , 13, e0205769 | 3.7 | 20 |
| 460 | 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 | 16.6 | 1 |
| 459 | 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 | 3.4 | 17 |
| 458 | Modulators of IgG penetration through the blood-brain barrier: Implications for Alzheimer's disease immunotherapy. <i>Human Antibodies</i> , 2017 , 25, 131-146 | 1.3 | 7 |
| 457 | The Blood-Brain Barriers 2017 , 5-24 | | 2 |
| 456 | 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 | 3.9 | 14 |
| 455 | Blood-Brain Barriers in Obesity. <i>AAPS Journal</i> , 2017 , 19, 921-930 | 3.7 | 56 |
| 454 | 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 | 3.9 | 19 |
| 453 | 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 | 11.7 | 15 |
| 452 | Development of rhenacarborane complexes as central nervous system (CNS) drug delivery agents. <i>Inorganica Chimica Acta</i> , 2017 , 466, 139-144 | 2.7 | 8 |
| 451 | Antibody blood-brain barrier efflux is modulated by glycan modification. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 2228-2239 | 4 | 15 |
| 450 | 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 | 0.9 | 20 |
| 449 | Intranasal delivery of N-terminal modified leptin-pluronic conjugate for treatment of obesity. <i>Journal of Controlled Release</i> , 2017 , 263, 172-184 | 11.7 | 21 |
| 448 | The SAMP8 mouse for investigating memory and the role of insulin in the brain. <i>Experimental Gerontology</i> , 2017 , 94, 64-68 | 4.5 | 9 |

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| 447 | Transmission of β -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 | 7.3 | 118 |
| 446 | Tau Proteins Cross the Blood-Brain Barrier. <i>Journal of Alzheimeris Disease</i> , 2017 , 55, 411-419 | 4.3 | 25 |
| 445 | Macrophage exosomes as natural nanocarriers for protein delivery to inflamed brain. <i>Biomaterials</i> , 2017 , 142, 1-12 | 15.6 | 252 |
| 444 | 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 | 7 | 11 |
| 443 | 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 | 2.1 | 1 |
| 442 | Role of OATP transporters in steroid uptake by prostate cancer cells in vivo. <i>Prostate Cancer and Prostatic Diseases</i> , 2017 , 20, 20-27 | 6.2 | 20 |
| 441 | Intranasal Insulin Transport is Preserved in Aged SAMP8 Mice and is Altered by Albumin and Insulin Receptor Inhibition. <i>Journal of Alzheimeris Disease</i> , 2017 , 57, 241-252 | 4.3 | 14 |
| 440 | Tauopathies - Focus on Changes at the Neurovascular Unit. <i>Current Alzheimer Research</i> , 2017 , 14, 790-803 | | 22 |
| 439 | 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, | 6.3 | 24 |
| 438 | The Transport Mechanism of Extracellular Vesicles at the Blood-Brain Barrier. <i>Current Pharmaceutical Design</i> , 2017 , 23, 6206-6214 | 3.3 | 112 |
| 437 | 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, 740-746 | 6.4 | 11 |
| 436 | 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 | 16.6 | 9 |
| 435 | Differentiating the Influences of Aging and Adiposity on Brain Weights, Levels of Serum and Brain Cytokines, Gastrointestinal Hormones, and Amyloid Precursor Protein. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 21-9 | 6.4 | 3 |
| 434 | Insulin resistance, dyslipidemia, and apolipoprotein E interactions as mechanisms in cognitive impairment and Alzheimer's disease. <i>Experimental Biology and Medicine</i> , 2016 , 241, 1676-83 | 3.7 | 27 |
| 433 | 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 | 3.9 | 53 |
| 432 | Computational and In Vitro Studies of Blast-Induced Blood-Brain Barrier Disruption. <i>SIAM Journal of Scientific Computing</i> , 2016 , 38, B347-B374 | 2.6 | 6 |
| 431 | 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 | 10.1 | 16 |
| 430 | Blast exposure causes dynamic microglial/macrophage responses and microdomains of brain microvessel dysfunction. <i>Neuroscience</i> , 2016 , 319, 206-20 | 3.9 | 49 |

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| 429 | From blood-brain barrier to blood-brain interface: new opportunities for CNS drug delivery. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 275-92 | 64.1 | 534 |
| 428 | Prolactin transport into mouse brain is independent of prolactin receptor. <i>FASEB Journal</i> , 2016 , 30, 1002-10 | 19 | 53 |
| 427 | 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 | | 3 |
| 426 | Quantifying altitude of human habitation in studies of human health using geographical name server data. <i>Geospatial Health</i> , 2016 , 11, 463 | 2.2 | |
| 425 | Ocular Delivery of PACAP1-27 Protects the Retina From Ischemic Damage in Rodents 2016 , 57, 6683-6691 | | 24 |
| 424 | 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 | 2.5 | 10 |
| 423 | 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, 1293-9 | 2.1 | 6 |
| 422 | Blood-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 | 4.7 | 57 |
| 421 | 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 | 1.2 | 99 |
| 420 | Pharmacologic manipulation of lysosomal enzyme transport across the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 476-86 | 7.3 | 10 |
| 419 | 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 | 16.6 | 21 |
| 418 | Interleukin-1 β transfer across the blood-brain barrier in the ovine fetus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1388-95 | 7.3 | 30 |
| 417 | Peptides and the blood-brain barrier. <i>Peptides</i> , 2015 , 72, 16-9 | 3.8 | 59 |
| 416 | Intranasal Delivery of Proteins and Peptides in the Treatment of Neurodegenerative Diseases. <i>AAPS Journal</i> , 2015 , 17, 780-7 | 3.7 | 116 |
| 415 | Association Between Alzheimer Dementia Mortality Rate and Altitude in California Counties. <i>JAMA Psychiatry</i> , 2015 , 72, 1253-4 | 14.5 | 11 |
| 414 | A Vagina Monologue: Mom's Stress, Bugs, and Baby's Brain. <i>Endocrinology</i> , 2015 , 156, 3066-8 | 4.8 | 5 |
| 413 | Role of the immune system in HIV-associated neuroinflammation and neurocognitive implications. <i>Brain, Behavior, and Immunity</i> , 2015 , 45, 1-12 | 16.6 | 215 |
| 412 | The blood-brain barrier in neuroimmunology: Tales of separation and assimilation. <i>Brain, Behavior, and Immunity</i> , 2015 , 44, 1-8 | 16.6 | 145 |

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| 411 | Neutralizing anti-interleukin-1 β antibodies modulate fetal blood-brain barrier function after ischemia. <i>Neurobiology of Disease</i> , 2015 , 73, 118-29 | 7.5 | 34 |
| 410 | Central Nervous System Delivery of Intranasal Insulin: Mechanisms of Uptake and Effects on Cognition. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 715-28 | 4.3 | 78 |
| 409 | Antisense against Amyloid- β 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, 535-48 | 4.3 | 12 |
| 408 | 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 | 10.1 | 270 |
| 407 | Alpha Adrenergic Induction of Transport of Lysosomal Enzyme across the Blood-Brain Barrier. <i>PLoS ONE</i> , 2015 , 10, e0142347 | 3.7 | 4 |
| 406 | Anti-IL-6 neutralizing antibody modulates blood-brain barrier function in the ovine fetus. <i>FASEB Journal</i> , 2015 , 29, 1739-53 | 0.9 | 46 |
| 405 | The APOE genotype: modification of therapeutic responses in Alzheimer's disease. <i>Current Pharmaceutical Design</i> , 2015 , 21, 114-20 | 3.3 | 34 |
| 404 | Foreword. <i>Current Pharmaceutical Design</i> , 2015 , 21, 1-2 | 3.3 | 1 |
| 403 | Topiramate Protects Pericytes from Glucotoxicity: Role for Mitochondrial CA VA in Cerebrovascular Disease in Diabetes. <i>Journal of Endocrinology and Diabetes</i> , 2015 , 2, | 4 | 9 |
| 402 | Central and peripheral administration of antisense oligonucleotide targeting amyloid- β protein precursor improves learning and memory and reduces neuroinflammatory cytokines in Tg2576 (APP ^{swe}) mice. <i>Journal of Alzheimer's Disease</i> , 2014 , 40, 1005-16 | 4.3 | 37 |
| 401 | 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 | 4.7 | 60 |
| 400 | Delivery of therapeutic peptides and proteins to the CNS. <i>Advances in Pharmacology</i> , 2014 , 71, 277-99 | 5.7 | 24 |
| 399 | 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 | 4.7 | 50 |
| 398 | Alpha synuclein is transported into and out of the brain by the blood-brain barrier. <i>Peptides</i> , 2014 , 62, 197-202 | 3.8 | 99 |
| 397 | Plasma exosomal β synuclein is likely CNS-derived and increased in Parkinson's disease. <i>Acta Neuropathologica</i> , 2014 , 128, 639-650 | 14.3 | 348 |
| 396 | SAMP8 mice have altered hippocampal gene expression in long term potentiation, phosphatidylinositol signaling, and endocytosis pathways. <i>Neurobiology of Aging</i> , 2014 , 35, 159-68 | 5.6 | 21 |
| 395 | Intrathecal delivery of protein therapeutics to the brain: a critical reassessment. <i>Pharmacology & Therapeutics</i> , 2014 , 144, 114-22 | 13.9 | 99 |
| 394 | 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 | 11.7 | 31 |

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|-----|---|------|-----|
| 393 | 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 | 4.7 | 32 |
| 392 | Molecular hydrogen in drinking water protects against neurodegenerative changes induced by traumatic brain injury. <i>PLoS ONE</i> , 2014 , 9, e108034 | 3.7 | 37 |
| 391 | 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 | 7 | 51 |
| 390 | 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 | 10.3 | 6 |
| 389 | Blood-brain barrier dysfunction as a cause and consequence of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1500-13 | 7.3 | 339 |
| 388 | 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 , 446, 251-6 | 3.4 | 61 |
| 387 | 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, 360-77 | 5.6 | 60 |
| 386 | Somatostatin receptor subtype-4 agonist NNC 26-9100 mitigates the effect of soluble A β 2 oligomers via a metalloproteinase-dependent mechanism. <i>Brain Research</i> , 2013 , 1520, 145-56 | 3.7 | 23 |
| 385 | 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 | 4.4 | 25 |
| 384 | 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, 637-45 | 4.7 | 37 |
| 383 | Dietary components in the development of leptin resistance. <i>Advances in Nutrition</i> , 2013 , 4, 164-75 | 10 | 54 |
| 382 | Diseases Mediated by the BBB: Alzheimer's, Obesity, and Beyond 2013 , 1667-1671 | | |
| 381 | Ingestive Peptides 2013 , 1677-1681 | | |
| 380 | Hyperhomocysteinemic mice show cognitive impairment without features of Alzheimer's disease phenotype. <i>Journal of Alzheimer's Disease</i> , 2013 , 35, 59-66 | 4.3 | 10 |
| 379 | Control and Contributions of the Blood-Brain Barriers to Cytokine Levels in the CNS 2013 , 88-98 | | |
| 378 | Cardiorenal metabolic syndrome and diabetic neuropathy. <i>CardioRenal Medicine</i> , 2013 , 3, 265-82 | 2.8 | 16 |
| 377 | Somatostatin receptor subtype-4 agonist NNC 26-9100 decreases extracellular and intracellular A β trimers. <i>European Journal of Pharmacology</i> , 2012 , 683, 116-24 | 5.3 | 27 |
| 376 | Role of the blood-brain barrier in the evolution of feeding and cognition. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1264, 13-9 | 6.5 | 54 |

| | | | |
|-----|--|------|-----|
| 375 | Intranasal administration of PACAP: uptake by brain and regional brain targeting with cyclodextrins. <i>Peptides</i> , 2012 , 36, 168-75 | 3.8 | 55 |
| 374 | Effect of alpha-lipoic acid on memory, oxidation, and lifespan in SAMP8 mice. <i>Journal of Alzheimer's Disease</i> , 2012 , 32, 447-55 | 4.3 | 54 |
| 373 | Lipopolysaccharide impairs amyloid β 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 | 10.1 | 80 |
| 372 | 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 | 10.1 | 21 |
| 371 | 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 | 10.1 | 23 |
| 370 | Brain meets body: the blood-brain barrier as an endocrine interface. <i>Endocrinology</i> , 2012 , 153, 4111-9 | 4.8 | 99 |
| 369 | 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, 1085-94 | 16.6 | 70 |
| 368 | Ischemia-reperfusion impairs blood-brain barrier function and alters tight junction protein expression in the ovine fetus. <i>Neuroscience</i> , 2012 , 226, 89-100 | 3.9 | 57 |
| 367 | Insulin in the brain: there and back again. <i>Pharmacology & Therapeutics</i> , 2012 , 136, 82-93 | 13.9 | 340 |
| 366 | Extra virgin olive oil improves learning and memory in SAMP8 mice. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 81-92 | 4.3 | 91 |
| 365 | 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 | 3.7 | 25 |
| 364 | Neuroinflammation: a common pathway in CNS diseases as mediated at the blood-brain barrier. <i>NeuroImmunoModulation</i> , 2012 , 19, 121-30 | 2.5 | 142 |
| 363 | Drug transport into the central nervous system: using newer findings about the blood-brain barriers. <i>Drug Delivery and Translational Research</i> , 2012 , 2, 152-9 | 6.2 | 3 |
| 362 | Drug delivery to the brain in Alzheimer's disease: consideration of the blood-brain barrier. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 629-39 | 18.5 | 113 |
| 361 | Nitrative stress in cerebral endothelium is mediated by mGluR5 in hyperhomocysteinemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 825-34 | 7.3 | 21 |
| 360 | Topiramate treatment protects blood-brain barrier pericytes from hyperglycemia-induced oxidative damage in diabetic mice. <i>Endocrinology</i> , 2012 , 153, 362-72 | 4.8 | 85 |
| 359 | Peripheral administration of antisense oligonucleotides targeting the amyloid- β protein precursor reverses APP and LRP-1 overexpression in the aged SAMP8 mouse brain. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 951-60 | 4.3 | 46 |
| 358 | Human immunodeficiency virus-1 uses the mannose-6-phosphate receptor to cross the blood-brain barrier. <i>PLoS ONE</i> , 2012 , 7, e39565 | 3.7 | 35 |

| | | | |
|-----|--|------|-----|
| 357 | Ischemia Accentuates the Transfer of Interleukin-1 β Across the Blood-Brain Barrier in the Ovine Fetus. <i>FASEB Journal</i> , 2012 , 26, 707.1 | 0.9 | |
| 356 | Impairments in brain-to-blood transport of amyloid- β and reabsorption of cerebrospinal fluid in an animal model of Alzheimer's disease are reversed by antisense directed against amyloid- β protein precursor. <i>Journal of Alzheimer's Disease</i> , 2011 , 23, 599-605 | 4.3 | 27 |
| 355 | 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, 1637-48 | 16.6 | 166 |
| 354 | Nitric oxide is a central component in neuropeptide regulation of appetite. <i>Peptides</i> , 2011 , 32, 776-80 | 3.8 | 40 |
| 353 | 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 | | 63 |
| 352 | Principles of strategic drug delivery to the brain (SDDB): development of anorectic and orexigenic analogs of leptin. <i>Physiology and Behavior</i> , 2011 , 105, 145-9 | 3.5 | 24 |
| 351 | 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, 53-9 | 5.3 | 19 |
| 350 | 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, 801-10 | 7.8 | 64 |
| 349 | 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 | 10.1 | 142 |
| 348 | 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 | 10.1 | 45 |
| 347 | Extrahypothalamic effects of leptin: a therapeutic for depression and dementia?. <i>Endocrinology</i> , 2011 , 152, 2539-41 | 4.8 | 6 |
| 346 | Initial fate of prions upon peripheral infection: half-life, distribution, clearance, and tissue uptake. <i>FASEB Journal</i> , 2011 , 25, 2792-803 | 0.9 | 13 |
| 345 | Measurement of phosphorothioate oligodeoxynucleotide antisense transport across the blood-brain barrier. <i>Methods in Molecular Biology</i> , 2011 , 789, 337-42 | 1.4 | 2 |
| 344 | 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, 478-90 | 4.7 | 18 |
| 343 | A Physiological Role for Amyloid- β Protein: Enhancement of Learning and Memory. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 441-449 | 4.3 | 119 |
| 342 | Transport across the blood-brain barrier of pluronic leptin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 253-63 | 4.7 | 61 |
| 341 | 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, 22272-7 | 11.5 | 35 |
| 340 | Internalization of the opioid growth factor, [Met5]-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, R774-85 | 3.2 | 14 |

| | | | |
|-----|---|------|-----|
| 339 | 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 , 65, 274-81 | 6.4 | 40 |
| 338 | Ovine proinflammatory cytokines cross the murine blood-brain barrier by a common saturable transport mechanism. <i>NeuroImmunoModulation</i> , 2010 , 17, 405-10 | 2.5 | 41 |
| 337 | Blood-brain barrier as a regulatory interface. <i>Forum of Nutrition</i> , 2010 , 63, 102-110 | | 41 |
| 336 | Gut-brain communications: not the same at all ages. <i>Endocrinology</i> , 2010 , 151, 852-4 | 4.8 | |
| 335 | Mouse models of neurological disorders: a view from the blood-brain barrier. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010 , 1802, 881-8 | 6.9 | 14 |
| 334 | Minimal penetration of lipopolysaccharide across the murine blood-brain barrier. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 102-9 | 16.6 | 210 |
| 333 | Insulin detemir is not transported across the blood-brain barrier. <i>Peptides</i> , 2010 , 31, 2284-8 | 3.8 | 21 |
| 332 | Decreased levels of PSD95 and two associated proteins and increased levels of BCL2 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 Abeta, and neurodegeneration in a prodromal stage of Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2010 , 88, 469-77 | 4.4 | 103 |
| 331 | Lipids and cognition. <i>Journal of Alzheimeris Disease</i> , 2010 , 20, 737-47 | 4.3 | 75 |
| 330 | The blood-brain barrier and immune function and dysfunction. <i>Neurobiology of Disease</i> , 2010 , 37, 26-32 | 7.5 | 355 |
| 329 | Brain distribution and behavioral effects of progesterone and pregnenolone after intranasal or intravenous administration. <i>European Journal of Pharmacology</i> , 2010 , 641, 128-34 | 5.3 | 33 |
| 328 | 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, 1388-98 | 7.8 | 91 |
| 327 | Oxidative modification to LDL receptor-related protein 1 in hippocampus from subjects with Alzheimer disease: implications for Aβ accumulation in AD brain. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1798-803 | 7.8 | 93 |
| 326 | A physiological role for amyloid-beta protein:enhancement of learning and memory. <i>Journal of Alzheimeris Disease</i> , 2010 , 19, 441-9 | 4.3 | 71 |
| 325 | Pegylated leptin antagonist is a potent orexigenic agent: preparation and mechanism of activity. <i>Endocrinology</i> , 2009 , 150, 3083-91 | 4.8 | 86 |
| 324 | Permeability of the blood-brain barrier to a rhenacarborane. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 608-14 | 4.7 | 24 |
| 323 | 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, 494-8 | 3 | 35 |
| 322 | 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, R844-52 | 3.2 | 14 |

| | | | |
|-----|---|------|-----|
| 321 | 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 , 64, 1025-30 | 6.4 | 20 |
| 320 | Characteristics of compounds that cross the blood-brain barrier. <i>BMC Neurology</i> , 2009 , 9 Suppl 1, S3 | 3.1 | 378 |
| 319 | 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 | 3.7 | 77 |
| 318 | 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, 276-82 | 6.9 | 52 |
| 317 | 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, 411-22 | 7.3 | 76 |
| 316 | 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, 640-7 | 7.3 | 130 |
| 315 | Lipopolysaccharide alters the blood-brain barrier transport of amyloid beta protein: a mechanism for inflammation in the progression of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 507-17 | 16.6 | 179 |
| 314 | Development of peptide receptor binding assays: methods to avoid false negatives. <i>Regulatory Peptides</i> , 2009 , 158, 97-102 | | 2 |
| 313 | Delivery of testosterone to the brain by intranasal administration: comparison to intravenous testosterone. <i>Journal of Drug Targeting</i> , 2009 , 17, 91-7 | 5.4 | 44 |
| 312 | The blood-brain barrier in psychoneuroimmunology. <i>Immunology and Allergy Clinics of North America</i> , 2009 , 29, 223-8 | 3.3 | 19 |
| 311 | Testing the neurovascular hypothesis of Alzheimer's disease: LRP-1 antisense reduces blood-brain barrier clearance, increases brain levels of amyloid-beta protein, and impairs cognition. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 553-70 | 4.3 | 91 |
| 310 | Cytokines and the BloodBrain Barrier 2009 , 3-17 | | 12 |
| 309 | Developing drugs that can cross the blood-brain barrier: applications to Alzheimer's disease. <i>BMC Neuroscience</i> , 2008 , 9 Suppl 3, S2 | 3.2 | 32 |
| 308 | Strategies to advance translational research into brain barriers. <i>Lancet Neurology, The</i> , 2008 , 7, 84-96 | 24.1 | 370 |
| 307 | The Blood Brain Barrier 2008 , 21-38 | | 5 |
| 306 | The blood-brain barrier: connecting the gut and the brain. <i>Regulatory Peptides</i> , 2008 , 149, 11-4 | | 73 |
| 305 | Effects of triglycerides, obesity, and starvation on ghrelin transport across the blood-brain barrier. <i>Peptides</i> , 2008 , 29, 2061-5 | 3.8 | 112 |
| 304 | 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, 740-57 | | 33 |

| | | | |
|-----|---|------|-----|
| 303 | Opiate modulation of IL-1alpha, IL-2, and TNF-alpha transport across the blood-brain barrier. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 1096-1102 | 16.6 | 18 |
| 302 | 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, 173-7 | 5.9 | 299 |
| 301 | Protein conjugation with amphiphilic block copolymers for enhanced cellular delivery. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1071-7 | 6.3 | 43 |
| 300 | Delivery of galanin-like peptide to the brain: targeting with intranasal delivery and cyclodextrins. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 325, 513-9 | 4.7 | 79 |
| 299 | Obesity and hypertriglyceridemia produce cognitive impairment. <i>Endocrinology</i> , 2008 , 149, 2628-36 | 4.8 | 278 |
| 298 | 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, 1153-60 | 6.4 | 68 |
| 297 | The blood-brain barrier as a cause of obesity. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1606-14 | 3.3 | 85 |
| 296 | Mannose 6-phosphate receptor-mediated transport of sulfamidase across the blood-brain barrier in the newborn mouse. <i>Molecular Therapy</i> , 2008 , 16, 1261-6 | 11.7 | 66 |
| 295 | BloodBrain Barrier Transport of Cytokines. <i>NeuroImmune Biology</i> , 2008 , 93-107 | | 5 |
| 294 | Peroxisome proliferator-activated receptor-gamma-mediated positive energy balance in the rat is associated with reduced sympathetic drive to adipose tissues and thyroid status. <i>Endocrinology</i> , 2008 , 149, 2121-30 | 4.8 | 97 |
| 293 | Nitric oxide isoenzymes regulate lipopolysaccharide-enhanced insulin transport across the blood-brain barrier. <i>Endocrinology</i> , 2008 , 149, 1514-23 | 4.8 | 44 |
| 292 | Starvation and triglycerides reverse the obesity-induced impairment of insulin transport at the blood-brain barrier. <i>Endocrinology</i> , 2008 , 149, 3592-7 | 4.8 | 83 |
| 291 | Predictors of serum testosterone and DHEAS in African-American men. <i>Journal of Developmental and Physical Disabilities</i> , 2008 , 31, 50-9 | | 11 |
| 290 | Delivery of peptides to the brain: emphasis on therapeutic development. <i>Biopolymers</i> , 2008 , 90, 589-94 | 2.2 | 49 |
| 289 | 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, 469-76 | 5.9 | 19 |
| 288 | Disability in obese elderly women: Lower limb strength and recreational physical activity. <i>Obesity Research and Clinical Practice</i> , 2007 , 1, 1-78 | 5.4 | 8 |
| 287 | Adiponectin levels in obese and non-obese middle-aged African-American women. <i>Obesity Research and Clinical Practice</i> , 2007 , 1, 1-78 | 5.4 | 7 |
| 286 | 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, 12873-8 | 11.5 | 45 |

| | | | |
|-----|--|------|-----|
| 285 | 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, 330-5 | 6.4 | 76 |
| 284 | Insulin resistance syndrome in the elderly: assessment of functional, biochemical, metabolic, and inflammatory status. <i>Diabetes Care</i> , 2007 , 30, 2369-73 | 14.6 | 26 |
| 283 | Copper complexing decreases the ability of amyloid beta peptide to cross the BBB and enter brain parenchyma. <i>Peptides</i> , 2007 , 28, 1424-32 | 3.8 | 39 |
| 282 | Permeability of the blood-brain barrier to a novel satiety molecule nesfatin-1. <i>Peptides</i> , 2007 , 28, 2372-83 | 3.8 | 123 |
| 281 | Lipid peroxidation in brain during aging in the senescence-accelerated mouse (SAM). <i>Neurobiology of Aging</i> , 2007 , 28, 1170-8 | 5.6 | 69 |
| 280 | Brain-immune communication pathways. <i>Brain, Behavior, and Immunity</i> , 2007 , 21, 727-35 | 16.6 | 418 |
| 279 | 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, 248-56 | 5.7 | 79 |
| 278 | 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, 347-60 | 5 | 34 |
| 277 | Insulin and the Blood-Brain Barrier 2007 , 265-285 | | |
| 276 | Aluminum complexing enhances amyloid beta protein penetration of blood-brain barrier. <i>Brain Research</i> , 2006 , 1116, 215-21 | 3.7 | 83 |
| 275 | 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 | 4.6 | 47 |
| 274 | Denial versus dualism: the blood-brain barrier as an interface of the gut-brain axis. <i>Endocrinology</i> , 2006 , 147, 2609-10 | 4.8 | 13 |
| 273 | The blood-brain barrier in neuroAIDS. <i>Current HIV Research</i> , 2006 , 4, 259-66 | 1.3 | 84 |
| 272 | The dam breaks: disruption of the blood-brain barrier in diabetes mellitus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2595-6 | 5.2 | 9 |
| 271 | The blood-brain barrier in psychoneuroimmunology. <i>Neurologic Clinics</i> , 2006 , 24, 413-9 | 4.5 | 58 |
| 270 | The CNS as a target for peptides and peptide-based drugs. <i>Expert Opinion on Drug Delivery</i> , 2006 , 3, 707-82 | | 28 |
| 269 | 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, 1630-6 | 12.7 | 28 |
| 268 | 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 | 5.7 | 90 |

| | | | |
|-----|---|------|-----|
| 267 | Release of cytokines by brain endothelial cells: A polarized response to lipopolysaccharide. <i>Brain, Behavior, and Immunity</i> , 2006 , 20, 449-55 | 16.6 | 193 |
| 266 | Mediation of chronic pain: not by neurons alone. <i>Pain</i> , 2006 , 124, 1-2 | 8 | 8 |
| 265 | Preproenkephalin targeted antisenses cross the blood-brain barrier to reduce brain methionine enkephalin levels and increase voluntary ethanol drinking. <i>Peptides</i> , 2006 , 27, 784-96 | 3.8 | 15 |
| 264 | Effects of leptin on memory processing. <i>Peptides</i> , 2006 , 27, 1420-5 | 3.8 | 247 |
| 263 | Effects of chronic ethanol administration on brain interstitial fluid levels of Methionine-enkephalin as measured by microdialysis in vivo. <i>Peptides</i> , 2006 , 27, 2201-6 | 3.8 | 7 |
| 262 | The effects of high fat diets on the blood-brain barrier transport of leptin: failure or adaptation?. <i>Physiology and Behavior</i> , 2006 , 88, 244-8 | 3.5 | 67 |
| 261 | The blood-brain barrier as a regulatory interface in the gut-brain axes. <i>Physiology and Behavior</i> , 2006 , 89, 472-6 | 3.5 | 67 |
| 260 | Effects of Stress and Nutrition on Blood-Brain Barrier Functions 2006 , 83-95 | | 0 |
| 259 | Ghrelin controls hippocampal spine synapse density and memory performance. <i>Nature Neuroscience</i> , 2006 , 9, 381-8 | 25.5 | 645 |
| 258 | Blood-brain barrier and energy balance. <i>Obesity</i> , 2006 , 14 Suppl 5, 234S-237S | 8 | 49 |
| 257 | The Role of the Blood-Brain Barrier in Feeding: Leptin 2006 , 27-37 | | |
| 256 | Diseases Mediated by the BBB: From Alzheimer's to Obesity 2006 , 1475-1479 | | |
| 255 | Ingestive Peptides and the BloodBrain Barrier 2006 , 1455-1459 | | |
| 254 | Adiponectin does not cross the blood-brain barrier but modifies cytokine expression of brain endothelial cells. <i>Diabetes</i> , 2006 , 55, 141-7 | 0.9 | 72 |
| 253 | Frailty and the aging male. <i>Aging Male</i> , 2005 , 8, 135-40 | 2.1 | 81 |
| 252 | Proteomic identification of less oxidized brain proteins in aged senescence-accelerated mice following administration of antisense oligonucleotide directed at the Abeta region of amyloid precursor protein. <i>Molecular Brain Research</i> , 2005 , 138, 8-16 | | 58 |
| 251 | 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, 159-68 | 4.4 | 103 |
| 250 | 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, 2361-8 | 6.8 | 8 |

| | | | |
|-----|--|------|-----|
| 249 | Effect of lipopolysaccharide on the transport of pituitary adenylate cyclase activating polypeptide across the blood-brain barrier. <i>Experimental Neurology</i> , 2005 , 191, 137-44 | 5.7 | 33 |
| 248 | Permeability of the blood-brain barrier to HIV-1 Tat. <i>Experimental Neurology</i> , 2005 , 193, 218-27 | 5.7 | 120 |
| 247 | Human immunodeficiency virus type 1 transport across the in vitro mouse brain endothelial cell monolayer. <i>Experimental Neurology</i> , 2005 , 193, 101-9 | 5.7 | 13 |
| 246 | Effects of a behaviorally active antibody on the brain uptake and clearance of amyloid beta proteins. <i>Peptides</i> , 2005 , 26, 287-94 | 3.8 | 22 |
| 245 | Orexin-A-induced feeding is dependent on nitric oxide. <i>Peptides</i> , 2005 , 26, 759-65 | 3.8 | 45 |
| 244 | Polypeptide point modifications with fatty acid and amphiphilic block copolymers for enhanced brain delivery. <i>Bioconjugate Chemistry</i> , 2005 , 16, 793-802 | 6.3 | 69 |
| 243 | Leptin, Insulin and Blood-Brain Barrier Relations in Obesity 2005 , 199-215 | | |
| 242 | Transport of antisense across the blood-brain barrier. <i>Methods in Molecular Medicine</i> , 2005 , 106, 237-51 | | 6 |
| 241 | Chronic ethanol consumption impairs learning and memory after cessation of ethanol. <i>Alcoholism: Clinical and Experimental Research</i> , 2005 , 29, 971-82 | 3.7 | 41 |
| 240 | HIV-1 viral proteins gp120 and Tat induce oxidative stress in brain endothelial cells. <i>Brain Research</i> , 2005 , 1045, 57-63 | 3.7 | 143 |
| 239 | 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, 132-8 | 3.7 | 93 |
| 238 | In vitro methods in the study of viral and prion permeability across the blood-brain barrier. <i>Cellular and Molecular Neurobiology</i> , 2005 , 25, 171-80 | 4.6 | 4 |
| 237 | 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 | 2.4 | 77 |
| 236 | 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, 12495-500 | 11.5 | 36 |
| 235 | Blood-brain barrier transport of cytokines: a mechanism for neuropathology. <i>Current Pharmaceutical Design</i> , 2005 , 11, 973-84 | 3.3 | 357 |
| 234 | Role of the BloodBrain Barrier in Communication between the Central Nervous System and the Peripheral Tissues 2004 , 73-81 | | 1 |
| 233 | Mechanisms of Antisense Transport across the BloodBrain Barrier 2004 , 99-105 | | 1 |
| 232 | Antisense therapeutics and the treatment of CNS disease. <i>Frontiers in Bioscience - Landmark</i> , 2004 , 9, 1720-7 | 2.8 | 7 |

| | | | |
|-----|--|------|-----|
| 231 | 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 | 6.4 | |
| 230 | 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, 12658-63 | 11.5 | 131 |
| 229 | 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, 469-75 | 4.7 | 120 |
| 228 | Influence of ethanol dependence and methionine enkephalin antisense on serum endomorphin-1 and methionine enkephalin levels. <i>Alcoholism: Clinical and Experimental Research</i> , 2004 , 28, 792-6 | 3.7 | 5 |
| 227 | The source of cerebral insulin. <i>European Journal of Pharmacology</i> , 2004 , 490, 5-12 | 5.3 | 353 |
| 226 | 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 | 5.3 | 112 |
| 225 | Effects of lipopolysaccharide on leptin transport across the blood-brain barrier. <i>Brain Research</i> , 2004 , 1016, 58-65 | 3.7 | 43 |
| 224 | Antisense directed at the Abeta region of APP decreases brain oxidative markers in aged senescence accelerated mice. <i>Brain Research</i> , 2004 , 1018, 86-96 | 3.7 | 112 |
| 223 | Antiaging methods and medicines for the memory. <i>Clinics in Geriatric Medicine</i> , 2004 , 20, 317-28 | 3.8 | 1 |
| 222 | 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, 434-42 | 16.6 | 44 |
| 221 | Neuroimmune networks and communication pathways: the importance of location. <i>Brain, Behavior, and Immunity</i> , 2004 , 18, 120-2 | 16.6 | 15 |
| 220 | Passage of murine scrapie prion protein across the mouse vascular blood-brain barrier. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 125-30 | 3.4 | 25 |
| 219 | The many lives of leptin. <i>Peptides</i> , 2004 , 25, 331-8 | 3.8 | 125 |
| 218 | Quantitative proteomics analysis of specific protein expression and oxidative modification in aged senescence-accelerated-prone 8 mice brain. <i>Neuroscience</i> , 2004 , 126, 915-26 | 3.9 | 138 |
| 217 | Binding, internalization, and membrane incorporation of human immunodeficiency virus-1 at the blood-brain barrier is differentially regulated. <i>Neuroscience</i> , 2004 , 128, 143-53 | 3.9 | 28 |
| 216 | DHEAS improves learning and memory in aged SAMP8 mice but not in diabetic mice. <i>Life Sciences</i> , 2004 , 75, 2775-85 | 6.8 | 33 |
| 215 | 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, R143-50 | 3.2 | 200 |
| 214 | Triglycerides induce leptin resistance at the blood-brain barrier. <i>Diabetes</i> , 2004 , 53, 1253-60 | 0.9 | 386 |

| | | | |
|-----|--|------|-----|
| 213 | The SAMP8 mouse as a model for Alzheimer disease: studies from Saint Louis University. <i>International Congress Series</i> , 2004 , 1260, 23-28 | | 12 |
| 212 | Are the extracellular [correction of extracellular] pathways a conduit for the delivery of therapeutics to the brain?. <i>Current Pharmaceutical Design</i> , 2004 , 10, 1365-70 | 3.3 | 63 |
| 211 | 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, 1234-40 | 5.6 | 55 |
| 210 | 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, E10-5 | 6 | 159 |
| 209 | Cynical hostility, depressive symptoms, and the expression of inflammatory risk markers for coronary heart disease. <i>Journal of Behavioral Medicine</i> , 2003 , 26, 501-15 | 3.6 | 55 |
| 208 | The antioxidants alpha-lipoic acid and N-acetylcysteine reverse memory impairment and brain oxidative stress in aged SAMP8 mice. <i>Journal of Neurochemistry</i> , 2003 , 84, 1173-83 | 6 | 342 |
| 207 | Glucagon-like peptide-1 receptor is involved in learning and neuroprotection. <i>Nature Medicine</i> , 2003 , 9, 1173-9 | 50.5 | 606 |
| 206 | Effects of chronic ethanol on brain and serum level of methionine enkephalin. <i>Peptides</i> , 2003 , 24, 1935-40 | 10 | |
| 205 | Antibody to beta-amyloid protein increases acetylcholine in the hippocampus of 12 month SAMP8 male mice. <i>Life Sciences</i> , 2003 , 73, 555-62 | 6.8 | 25 |
| 204 | Passage of vasoactive intestinal peptide across the blood-brain barrier. <i>Peptides</i> , 2003 , 24, 437-44 | 3.8 | 62 |
| 203 | Ghrelin-induced feeding is dependent on nitric oxide. <i>Peptides</i> , 2003 , 24, 913-8 | 3.8 | 110 |
| 202 | Efflux of human and mouse amyloid beta proteins 1-40 and 1-42 from brain: impairment in a mouse model of Alzheimer's disease. <i>Neuroscience</i> , 2003 , 121, 487-92 | 3.9 | 80 |
| 201 | Pathways linking depression, adiposity, and inflammatory markers in healthy young adults. <i>Brain, Behavior, and Immunity</i> , 2003 , 17, 276-85 | 16.6 | 198 |
| 200 | Pharmacological profiles of peptide drug candidates for the treatment of Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13905-11 | 5.4 | 151 |
| 199 | Characterization of blood-brain barrier permeability to PYY3-36 in the mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 306, 948-53 | 4.7 | 141 |
| 198 | Is obesity a disease of the blood-brain barrier? Physiological, pathological, and evolutionary considerations. <i>Current Pharmaceutical Design</i> , 2003 , 9, 801-9 | 3.3 | 92 |
| 197 | Clinical depression and inflammatory risk markers for coronary heart disease. <i>American Journal of Cardiology</i> , 2002 , 90, 1279-83 | 3 | 345 |
| 196 | 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, 130-6 | 3.7 | 91 |

| | | | |
|-----|---|-----|-----|
| 195 | Entry of blood-borne cytokines into the central nervous system: effects on cognitive processes. <i>NeuroImmunoModulation</i> , 2002 , 10, 319-27 | 2.5 | 166 |
| 194 | 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, 1189-95 | 1.6 | 13 |
| 193 | Transport of an antifungal trypsin inhibitor isolated from corn across the blood-brain barrier. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 2633-5 | 5.9 | 5 |
| 192 | Positron emission tomography shows that intrathecal leptin reaches the hypothalamus in baboons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 301, 878-83 | 4.7 | 24 |
| 191 | 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, 1062-9 | 4.7 | 55 |
| 190 | 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, 775-83 | 4.8 | 199 |
| 189 | HIV-1-induced production of endothelin-1 in an in vitro model of the human blood-brain barrier. <i>NeuroReport</i> , 2002 , 13, 1179-83 | 1.7 | 51 |
| 188 | Strategies for the delivery of leptin to the CNS. <i>Journal of Drug Targeting</i> , 2002 , 10, 297-308 | 5.4 | 48 |
| 187 | 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, 822-7 | 4.7 | 536 |
| 186 | Reduction of amyloid load and cerebral damage in a transgenic mouse model of Alzheimer's disease by treatment with a beta-sheet breaker peptide. <i>FASEB Journal</i> , 2002 , 16, 860-2 | 0.9 | 202 |
| 185 | Blind mice are not impaired in T-maze footshock avoidance acquisition and retention. <i>Physiology and Behavior</i> , 2002 , 76, 531-8 | 3.5 | 9 |
| 184 | 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, M428-32 | 6.4 | 185 |
| 183 | Alzheimer's disease through the eye of a mouse. Acceptance lecture for the 2001 Gayle A. Olson and Richard D. Olson prize. <i>Peptides</i> , 2002 , 23, 589-99 | 3.8 | 50 |
| 182 | Effects of orexin-A on memory processing. <i>Peptides</i> , 2002 , 23, 1683-8 | 3.8 | 103 |
| 181 | Regional differences in PACAP transport across the blood-brain barrier in mice: a possible influence of strain, amyloid beta protein, and age. <i>Peptides</i> , 2002 , 23, 2197-202 | 3.8 | 41 |
| 180 | Passage of amyloid beta protein antibody across the blood-brain barrier in a mouse model of Alzheimer's disease. <i>Peptides</i> , 2002 , 23, 2223-6 | 3.8 | 163 |
| 179 | Withdrawal from alcohol in withdrawal seizure-prone and -resistant mice: evidence for enkephalin resistance. <i>Pharmacology Biochemistry and Behavior</i> , 2001 , 68, 379-87 | 3.9 | 9 |
| 178 | Effect of LPS on the permeability of the blood-brain barrier to insulin. <i>Brain Research</i> , 2001 , 896, 36-42 | 3.7 | 180 |

| | | | |
|-----|---|-----|-----|
| 177 | Enhanced leptin transport across the blood-brain barrier by alpha 1-adrenergic agents. <i>Brain Research</i> , 2001 , 899, 209-17 | 3.7 | 109 |
| 176 | Anorectic effects of circulating cytokines: role of the vascular blood-brain barrier. <i>Nutrition</i> , 2001 , 17, 434-7 | 4.8 | 52 |
| 175 | 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, 4681-91 | 6.6 | 101 |
| 174 | Serum leptin levels in wild and captive populations of baboons (papio): implications for the ancestral role of leptin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 4315-20 | 5.6 | 38 |
| 173 | Regional transport of TNF-alpha across the blood-brain barrier in young ICR and young and aged SAMP8 mice. <i>Neurobiology of Aging</i> , 2001 , 22, 671-6 | 5.6 | 62 |
| 172 | Role of LPS and receptor subtypes in the uptake of TNF by the murine lung. <i>Life Sciences</i> , 2001 , 69, 791-802 | 8.0 | 2 |
| 171 | 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, 1683-9 | 6.8 | |
| 170 | Obesity-inducing lesions of the central nervous system alter leptin uptake by the blood-brain barrier. <i>Life Sciences</i> , 2001 , 69, 2765-73 | 6.8 | 24 |
| 169 | Leptin transport across the blood-brain barrier: implications for the cause and treatment of obesity. <i>Current Pharmaceutical Design</i> , 2001 , 7, 125-33 | 3.3 | 114 |
| 168 | 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, 289-92 | 6.5 | 5 |
| 167 | Regional variations in the transport of interleukin-1alpha across the blood-brain barrier in ICR and aging SAMP8 mice. <i>NeuroImmunoModulation</i> , 2000 , 8, 165-70 | 2.5 | 32 |
| 166 | Estradiol potentiates acetylcholine and glutamate-mediated post-trial memory processing in the hippocampus. <i>Brain Research</i> , 2000 , 864, 263-9 | 3.7 | 60 |
| 165 | Permanent and temporary inactivation of the hippocampus impairs T-maze footshock avoidance acquisition and retention. <i>Brain Research</i> , 2000 , 872, 242-9 | 3.7 | 38 |
| 164 | Persistence of blood-to-brain transport of leptin in obese leptin-deficient and leptin receptor-deficient mice. <i>Brain Research</i> , 2000 , 873, 165-7 | 3.7 | 53 |
| 163 | Differential transport of rat and human interleukin-1alpha across the blood-brain barrier and blood-testis barrier in rats. <i>Brain Research</i> , 2000 , 881, 57-61 | 3.7 | 29 |
| 162 | Endocrine and metabolic changes in human aging. <i>Journal of the American Aging Association</i> , 2000 , 23, 103-15 | | 3 |
| 161 | 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, E1158-65 | 6 | 92 |
| 160 | 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, 1769-75 | 3.8 | 162 |

| | | | |
|-----|--|-----|-----|
| 159 | The Effect of Cardiac Arrest on the Blood-Testis Barrier to Albumin and Tumor Necrosis Factor-Alpha in the Mouse. <i>The Showa University Journal of Medical Sciences</i> , 2000 , 12, 119-125 | 0.1 | |
| 158 | Passage of leptin across the blood-testis barrier. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999 , 276, E1099-104 | 6 | 27 |
| 157 | Upregulation of the p75 but not the p55 TNF-alpha 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, 825-33 | 5.7 | 111 |
| 156 | Physiology and pathology of the blood-brain barrier: implications for microbial pathogenesis, drug delivery and neurodegenerative disorders. <i>Journal of NeuroVirology</i> , 1999 , 5, 538-55 | 3.9 | 134 |
| 155 | Transmission routes of HIV-1 gp120 from brain to lymphoid tissues. <i>Brain Research</i> , 1999 , 822, 26-33 | 3.7 | 29 |
| 154 | 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, 336-40 | 3.7 | 19 |
| 153 | Peptides crossing the blood-brain barrier: some unusual observations. <i>Brain Research</i> , 1999 , 848, 96-100 | 3.7 | 129 |
| 152 | Uptake and degradation of blood-borne insulin by the olfactory bulb. <i>Peptides</i> , 1999 , 20, 373-8 | 3.8 | 56 |
| 151 | Effects of peptides: a cross-listing of peptides and their central actions published in the journal <i>Peptides</i> from 1994 through 1998. <i>Peptides</i> , 1999 , 20, 1127-38 | 3.8 | 7 |
| 150 | Impaired transport of leptin across the blood-brain barrier in obesity. <i>Peptides</i> , 1999 , 20, 1341-5 | 3.8 | 270 |
| 149 | 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, 1337-40 | 3.8 | 23 |
| 148 | Effects of wheatgerm agglutinin and aging on the regional brain uptake of HIV-1GP120. <i>Life Sciences</i> , 1999 , 65, 81-9 | 6.8 | 14 |
| 147 | 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-alpha. <i>Life Sciences</i> , 1999 , 65, 2127-34 | 6.8 | 13 |
| 146 | Adsorptive endocytosis of HIV-1gp120 by blood-brain barrier is enhanced by lipopolysaccharide. <i>Experimental Neurology</i> , 1999 , 156, 165-71 | 5.7 | 69 |
| 145 | Permeability of the blood-brain barrier to neurotrophins. <i>Brain Research</i> , 1998 , 788, 87-94 | 3.7 | 141 |
| 144 | Characterization of lectin-mediated brain uptake of HIV-1 GP120. <i>Journal of Neuroscience Research</i> , 1998 , 54, 522-9 | 4.4 | 39 |
| 143 | Enkephalin, PPE mRNA, and PTS-1 in alcohol withdrawal seizure-prone and -resistant mice. <i>Alcohol</i> , 1998 , 15, 25-31 | 2.7 | 20 |
| 142 | Differential permeability of the blood-brain barrier to two pancreatic peptides: insulin and amylin. <i>Peptides</i> , 1998 , 19, 883-9 | 3.8 | 248 |

| | | | |
|-----|---|-----|-----|
| 141 | Transport of brain-derived neurotrophic factor across the blood-brain barrier. <i>Neuropharmacology</i> , 1998 , 37, 1553-61 | 5.5 | 976 |
| 140 | Expression of TNF and the necessity of TNF receptors in bleomycin-induced lung injury in mice. <i>Experimental Lung Research</i> , 1998 , 24, 721-43 | 2.3 | 149 |
| 139 | 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, 116-23 | 5.7 | 29 |
| 138 | Regional differences in the metabolism of Tyr-MIF-1 and Tyr-W-MIF-1 by rat brain mitochondria. <i>Biochemical Pharmacology</i> , 1998 , 55, 33-6 | 6 | 8 |
| 137 | Diurnal uptake of circulating interleukin-1alpha by brain, spinal cord, testis and muscle. <i>NeuroImmunoModulation</i> , 1998 , 5, 36-41 | 2.5 | 40 |
| 136 | Fate of leptin after intracerebroventricular injection into the mouse brain. <i>Endocrinology</i> , 1998 , 139, 4556-62 | 4.8 | 105 |
| 135 | Relative contributions of a CVO and the microvascular bed to delivery of blood-borne IL-1alpha to the brain. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 275, E207-12 | 6 | 17 |
| 134 | Alveolar macrophage apoptosis and TNF-alpha, but not p53, expression correlate with murine response to bleomycin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998 , 275, L1208-18 | 5.8 | 26 |
| 133 | Granulocyte macrophage-colony stimulating factor crosses the blood-testis barrier in mice. <i>Biology of Reproduction</i> , 1997 , 57, 822-6 | 3.9 | 20 |
| 132 | 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, 237-45 | 2.7 | 21 |
| 131 | Blood-brain barrier permeability to ebitatide and TNF in acute spinal cord injury. <i>Experimental Neurology</i> , 1997 , 146, 367-73 | 5.7 | 81 |
| 130 | The putative blood-brain barrier transporter for the beta-amyloid binding protein apolipoprotein j is saturated at physiological concentrations. <i>Life Sciences</i> , 1997 , 60, PL115-8 | 6.8 | 48 |
| 129 | HIV-1 protein gp120 crosses the blood-brain barrier: role of adsorptive endocytosis. <i>Life Sciences</i> , 1997 , 61, PL119-25 | 6.8 | 67 |
| 128 | Permeability of the blood-brain and blood-spinal cord barriers to interferons. <i>Journal of Neuroimmunology</i> , 1997 , 76, 105-11 | 3.5 | 174 |
| 127 | Relative contributions of peripheral and central sources to levels of IL-1 alpha in the cerebral cortex of mice: assessment with species-specific enzyme immunoassays. <i>Journal of Neuroimmunology</i> , 1997 , 79, 22-8 | 3.5 | 45 |
| 126 | Selective, physiological transport of insulin across the blood-brain barrier: novel demonstration by species-specific radioimmunoassays. <i>Peptides</i> , 1997 , 18, 1257-62 | 3.8 | 170 |
| 125 | Transport of insulin across the blood-brain barrier: saturability at euglycemic doses of insulin. <i>Peptides</i> , 1997 , 18, 1423-9 | 3.8 | 237 |
| 124 | Effect of diabetes mellitus on the permeability of the blood-brain barrier to insulin. <i>Peptides</i> , 1997 , 18, 1577-84 | 3.8 | 117 |

| | | | |
|-----|--|-----|------|
| 123 | Transport of CRH from mouse brain directly affects peripheral production of beta-endorphin by the spleen. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997 , 273, E1083-9 | 6 | 12 |
| 122 | Interactions of beta-amyloids with the blood-brain barrier. <i>Annals of the New York Academy of Sciences</i> , 1997 , 826, 190-9 | 6.5 | 14 |
| 121 | Tumor necrosis factor-alpha: a neuromodulator in the CNS. <i>Neuroscience and Biobehavioral Reviews</i> , 1997 , 21, 603-13 | 9 | 150 |
| 120 | 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 | 4.4 | 16 |
| 119 | Measurement of efflux rates from brain to blood. <i>Methods in Molecular Biology</i> , 1997 , 73, 353-60 | 1.4 | 15 |
| 118 | Chronic Fatigue Syndrome: Possible Integration of Hormonal and Immunological Observations 1997 , 161-192 | | 1 |
| 117 | Permeability of the Blood-Brain Barrier to Circulating Free Fatty Acids 1997 , 3-14 | | 4 |
| 116 | Unidirectional specific and modulated brain to blood transport of corticotropin-releasing hormone. <i>Neuroendocrinology</i> , 1996 , 63, 338-48 | 5.6 | 102 |
| 115 | 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> , 1996 , 805, 270-7; discussion 277-9 | 6.5 | 61 |
| 114 | The history of neuropeptide research: version 5.a. <i>Annals of the New York Academy of Sciences</i> , 1996 , 780, 1-18 | 6.5 | 8 |
| 113 | Reversible association of the cytokines MIP-1 alpha and MIP-1 beta with the endothelia of the blood-brain barrier. <i>Neuroscience Letters</i> , 1996 , 205, 202-6 | 3.3 | 39 |
| 112 | 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, 645-52 | 2.1 | 5 |
| 111 | Periventricular penetration and disappearance of ICV Tyr-MIF-1, DAMGO, tyrosine, and albumin. <i>Peptides</i> , 1996 , 17, 247-50 | 3.8 | 32 |
| 110 | Leptin enters the brain by a saturable system independent of insulin. <i>Peptides</i> , 1996 , 17, 305-11 | 3.8 | 1022 |
| 109 | Sequestration of centrally administered insulin by the brain: effects of starvation, aluminum, and TNF-alpha. <i>Hormones and Behavior</i> , 1996 , 30, 280-6 | 3.7 | 37 |
| 108 | Passage of peptides across the blood-brain barrier: pathophysiological perspectives. <i>Life Sciences</i> , 1996 , 59, 1923-43 | 6.8 | 95 |
| 107 | Psychologic profiles as predictors of success in a cardiovascular risk factors life-style intervention program. <i>Southern Medical Journal</i> , 1996 , 89, 971-6 | 0.6 | |
| 106 | Prevention of ischemia-induced death of hippocampal neurons by pituitary adenylate cyclase activating polypeptide. <i>Brain Research</i> , 1996 , 736, 280-6 | 3.7 | 196 |

| | | | |
|-----|--|-----|-----|
| 105 | Aluminum-sensitive degradation of amyloid beta-protein 1-40 by murine and human intracellular enzymes. <i>Neurotoxicology and Teratology</i> , 1996 , 18, 671-7 | 3.9 | 21 |
| 104 | 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, 711-5 | 3.9 | 17 |
| 103 | Melanocyte-stimulating hormone release-inhibiting factor-1 (MIF-1) can be formed from Tyr-MIF-1 in brain mitochondria but not in brain homogenate. <i>Journal of Neurochemistry</i> , 1995 , 64, 1855-9 | 6 | 7 |
| 102 | Regional variation in transport of pancreatic polypeptide across the blood-brain barrier of mice. <i>Pharmacology Biochemistry and Behavior</i> , 1995 , 51, 139-47 | 3.9 | 43 |
| 101 | Increase in plasma TYR-MIF-1-like immunoreactivity after hypophysectomy is robust and reversible by corticosterone. <i>Neuropeptides</i> , 1995 , 28, 65-71 | 3.3 | 2 |
| 100 | Permeability of the blood-brain barrier to the neurotensin8-13 analog NT1. <i>Brain Research</i> , 1995 , 695, 59-63 | 3.7 | 28 |
| 99 | Selective transport of blood-borne interleukin-1 alpha into the posterior division of the septum of the mouse brain. <i>Brain Research</i> , 1995 , 700, 83-8 | 3.7 | 43 |
| 98 | Permeability of the blood-brain barrier to soluble cytokine receptors. <i>NeuroImmunoModulation</i> , 1995 , 2, 161-5 | 2.5 | 84 |
| 97 | Passage of cytokines across the blood-brain barrier. <i>NeuroImmunoModulation</i> , 1995 , 2, 241-8 | 2.5 | 544 |
| 96 | 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 | 5.1 | 25 |
| 95 | Permeability of the blood-brain barrier to melanocortins. <i>Peptides</i> , 1995 , 16, 1157-61 | 3.8 | 43 |
| 94 | Permeability of the blood-brain barrier to amylin. <i>Life Sciences</i> , 1995 , 57, 1993-2001 | 6.8 | 138 |
| 93 | 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 | | 25 |
| 92 | Peptide Transport System-1 1995 , 111-117 | | 4 |
| 91 | 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, 2404-19 | 6 | 83 |
| 90 | 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 | | 6 |
| 89 | The neurotrophins and their receptors: structure, function, and neuropathology. <i>Neuroscience and Biobehavioral Reviews</i> , 1994 , 18, 143-59 | 9 | 123 |
| 88 | Blood-borne interleukin-1 receptor antagonist crosses the blood-brain barrier. <i>Journal of Neuroimmunology</i> , 1994 , 55, 153-60 | 3.5 | 138 |

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|----|---|-----|-----|
| 87 | CNS effects of peptides: a cross-listing of peptides and their central actions published in the journal Peptides, 1986-1993. <i>Peptides</i> , 1994 , 15, 1105-55 | 3.8 | 8 |
| 86 | Delayed degradation of Tyr-MIF-1 in neonatal rat plasma. <i>Peptides</i> , 1994 , 15, 1561-3 | 3.8 | 5 |
| 85 | The opiate system in invertebrates. <i>Peptides</i> , 1994 , 15, 1309-29 | 3.8 | 43 |
| 84 | Opposite direction of transport across the blood-brain barrier for Tyr-MIF-1 and MIF-1: comparison with morphine. <i>Peptides</i> , 1994 , 15, 23-9 | 3.8 | 70 |
| 83 | Penetration of interleukin-6 across the murine blood-brain barrier. <i>Neuroscience Letters</i> , 1994 , 179, 53-6 | 3.3 | 353 |
| 82 | Novel concepts from novel peptides. <i>Annals of the New York Academy of Sciences</i> , 1994 , 739, 1-10 | 6.5 | 3 |
| 81 | 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, 87-8 | 6.5 | |
| 80 | 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, 101-7 | 6.5 | 4 |
| 79 | Brain-to-blood transport of peptides and the alcohol withdrawal syndrome. <i>Annals of the New York Academy of Sciences</i> , 1994 , 739, 108-18 | 6.5 | 4 |
| 78 | Differential metabolism of Tyr-MIF-1 and MIF-1 in rat and human plasma. <i>Biochemical Pharmacology</i> , 1994 , 47, 699-709 | 6 | 19 |
| 77 | Passage of human amyloid beta-protein 1-40 across the murine blood-brain barrier. <i>Life Sciences</i> , 1994 , 55, 1643-50 | 6.8 | 95 |
| 76 | 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, 179-82 | 3.9 | 29 |
| 75 | Extreme stability of Tyr-MIF-1 in CSF. <i>Neuroscience Letters</i> , 1994 , 174, 26-8 | 3.3 | 19 |
| 74 | Interleukin-2 does not cross the blood-brain barrier by a saturable transport system. <i>Brain Research Bulletin</i> , 1994 , 34, 103-9 | 3.9 | 73 |
| 73 | Interleukin-1 alpha in blood has direct access to cortical brain cells. <i>Neuroscience Letters</i> , 1993 , 163, 41-4 | 3.3 | 77 |
| 72 | 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, 207-12 | | 17 |
| 71 | Murine tumor necrosis factor alpha is transported from blood to brain in the mouse. <i>Journal of Neuroimmunology</i> , 1993 , 47, 169-76 | 3.5 | 482 |
| 70 | Physiological consequences of the passage of peptides across the blood-brain barrier. <i>Reviews in the Neurosciences</i> , 1993 , 4, 365-72 | 4.7 | 42 |

| | | | |
|----|---|------|-----|
| 69 | Uptake, content, regulation of plasma concentrations, and binding of Tyr-MIF-1 by the adrenals. <i>Neuroendocrinology</i> , 1993 , 57, 541-9 | 5.6 | 6 |
| 68 | 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, 690-5 | 4.4 | 36 |
| 67 | Measurement of Transport of Cytokines across the Blood-Brain Barrier. <i>Methods in Neurosciences</i> , 1993 , 67-77 | | 17 |
| 66 | Bidirectional passage of peptides across the blood-brain barrier. <i>Progress in Brain Research</i> , 1992 , 91, 139-48 | 2.9 | 29 |
| 65 | Selective uptake of the somatostatin analog RC-160 across the blood-brain tumor barrier of mice with KHT sarcomas. <i>Anti-Cancer Drugs</i> , 1992 , 3, 519-23 | 2.4 | 6 |
| 64 | Permeability of the blood-brain barrier to peptides: an approach to the development of therapeutically useful analogs. <i>Peptides</i> , 1992 , 13, 1289-94 | 3.8 | 49 |
| 63 | Transport, uptake, and metabolism of blood-borne vasopressin by the blood-brain barrier. <i>Brain Research</i> , 1992 , 590, 213-8 | 3.7 | 41 |
| 62 | The interleukins-1 alpha, -1 beta, and -2 do not acutely disrupt the murine blood-brain barrier. <i>International Journal of Immunopharmacology</i> , 1992 , 14, 629-36 | | 48 |
| 61 | Effects of various reproductive hormones on the penetration of LHRH across the blood-brain barrier. <i>Pharmacology Biochemistry and Behavior</i> , 1992 , 41, 255-7 | 3.9 | 8 |
| 60 | Orally administered cyclo(His-Pro) reduces ethanol-induced narcosis in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1992 , 43, 939-41 | 3.9 | 10 |
| 59 | Leucine modulates peptide transport system-1 across the blood-brain barrier at the stereospecific site within the central nervous system. <i>Journal of Pharmacy and Pharmacology</i> , 1991 , 43, 252-4 | 4.8 | 14 |
| 58 | Carrier-mediated transport of labeled oxytocin from brain to blood. <i>Neuroendocrinology</i> , 1991 , 53, 447-53 | 3.6 | 35 |
| 57 | Delivering peptides to the central nervous system: dilemmas and strategies. <i>Pharmaceutical Research</i> , 1991 , 8, 1345-50 | 4.5 | 47 |
| 56 | EEG evidence that morphine and an enkephalin analog cross the blood-brain barrier. <i>Pharmacology Biochemistry and Behavior</i> , 1991 , 40, 771-4 | 3.9 | 31 |
| 55 | A giant prolactinoma and the effect of chronic bromocriptine therapy on basal and TRH-stimulated serum prolactin levels. <i>Hormone Research</i> , 1991 , 35, 167-9 | | 4 |
| 54 | Blood to brain transport of interleukin links the immune and central nervous systems. <i>Life Sciences</i> , 1991 , 48, PL117-21 | 6.8 | 138 |
| 53 | Lack of saturable transport across the blood-brain barrier in either direction for beta-amyloid1-28 (Alzheimer's disease protein). <i>Brain Research Bulletin</i> , 1991 , 27, 819-23 | 3.9 | 21 |
| 52 | Science, citation, and funding. <i>Science</i> , 1991 , 251, 1410-1 | 33.3 | 48 |

| | | | |
|----|---|------|-----|
| 51 | Science, Citation, and Funding. <i>Science</i> , 1991 , 251, 1410-1410 | 33.3 | |
| 50 | 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, 6762-6 | 11.5 | 81 |
| 49 | Hypoxia and hypercarbia of chronic lung disease: minimal effects on anterior pituitary function. <i>Southern Medical Journal</i> , 1990 , 83, 290-3 | 0.6 | 12 |
| 48 | Stereospecific transport of Tyr-MIF-1 across the blood-brain barrier by peptide transport system-1. <i>Brain Research Bulletin</i> , 1990 , 25, 589-92 | 3.9 | 34 |
| 47 | A decade of changing perceptions about neuropeptides. <i>Annals of the New York Academy of Sciences</i> , 1990 , 579, 1-7 | 6.5 | 29 |
| 46 | Uptake of peptides containing Tyr-Pro by human and mouse erythrocytes. <i>Biochemical Pharmacology</i> , 1990 , 40, 607-14 | 6 | 5 |
| 45 | 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 | 3.6 | 17 |
| 44 | Aluminum-induced neurotoxicity: alterations in membrane function at the blood-brain barrier. <i>Neuroscience and Biobehavioral Reviews</i> , 1989 , 13, 47-53 | 9 | 149 |
| 43 | 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, 380-5 | 4.7 | 25 |
| 42 | Bidirectional transport of interleukin-1 alpha across the blood-brain barrier. <i>Brain Research Bulletin</i> , 1989 , 23, 433-7 | 3.9 | 316 |
| 41 | Passage of Tyr-MIF-1 from blood to brain. <i>Brain Research Bulletin</i> , 1989 , 23, 439-42 | 3.9 | 25 |
| 40 | 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, 53-7 | 2.7 | 34 |
| 39 | Quantifying carrier-mediated transport of peptides from the brain to the blood. <i>Methods in Enzymology</i> , 1989 , 168, 652-60 | 1.7 | 50 |
| 38 | 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> , 1988 , 40, 289-91 | 4.8 | 15 |
| 37 | The general anesthesia induced by various drugs differentially affects analgesia and its variability. <i>Pharmacology Biochemistry and Behavior</i> , 1988 , 31, 397-403 | 3.9 | 9 |
| 36 | Analgesia and the blood-brain barrier transport system for Tyr-MIF-1/enkephalins: evidence for a dissociation. <i>Neuropharmacology</i> , 1988 , 27, 175-9 | 5.5 | 15 |
| 35 | Peptides and the senescent blood-brain barrier. <i>Neurobiology of Aging</i> , 1988 , 9, 48-9 | 5.6 | 4 |
| 34 | Mediation of serotonin-induced analgesia by the 5HT ₂ receptor in the pentobarbital anesthetized mouse model. <i>Brain Research Bulletin</i> , 1988 , 21, 887-91 | 3.9 | 24 |

| | | | |
|----|--|-----|-----|
| 33 | Studies of the slow bidirectional transport of iron and transferrin across the blood-brain barrier. <i>Brain Research Bulletin</i> , 1988 , 21, 881-5 | 3.9 | 85 |
| 32 | Interactions between the blood-brain barrier and endogenous peptides: emerging clinical implications. <i>American Journal of the Medical Sciences</i> , 1988 , 295, 459-65 | 2.2 | 28 |
| 31 | Possible therapeutic implications of the effects of some peptides on the brain. <i>Progress in Brain Research</i> , 1987 , 72, 223-34 | 2.9 | 14 |
| 30 | Tyr-MIF-1 and Met-enkephalin share a saturable blood-brain barrier transport system. <i>Peptides</i> , 1987 , 8, 899-903 | 3.8 | 56 |
| 29 | Saturable transport of peptides across the blood-brain barrier. <i>Life Sciences</i> , 1987 , 41, 1319-38 | 6.8 | 97 |
| 28 | D-[Ala1]-peptide T-amide is transported from blood to brain by a saturable system. <i>Brain Research Bulletin</i> , 1987 , 19, 629-33 | 3.9 | 51 |
| 27 | Carrier-mediated transport of vasopressin across the blood-brain barrier of the mouse. <i>Journal of Neuroscience Research</i> , 1987 , 18, 326-32 | 4.4 | 95 |
| 26 | 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 | 3.8 | 53 |
| 25 | Binding of Tyr-MIF-1 to isolated brain capillaries. <i>Brain Research Bulletin</i> , 1986 , 17, 829-31 | 3.9 | 12 |
| 24 | Entry of DSIP peptides into dog CSF: role of physicochemical and pharmacokinetic parameters. <i>Brain Research Bulletin</i> , 1986 , 17, 155-8 | 3.9 | 32 |
| 23 | Relationship of Clinical to Basic Research with Peptides as Illustrated by MSH 1986 , 645-652 | | |
| 22 | 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, 84-9 | 4.7 | 27 |
| 21 | Modulation of immunoactive levels of DSIP and blood-brain permeability by lighting and diurnal rhythm. <i>Journal of Neuroscience Research</i> , 1985 , 14, 347-55 | 4.4 | 26 |
| 20 | Aging and the blood-brain barrier: changes in the carrier-mediated transport of peptides in rats. <i>Neuroscience Letters</i> , 1985 , 61, 171-5 | 3.3 | 41 |
| 19 | Transport of thyroxine across the blood-brain barrier is directed primarily from brain to blood in the mouse. <i>Life Sciences</i> , 1985 , 37, 2407-14 | 6.8 | 22 |
| 18 | Peptides and the blood-brain barrier: lipophilicity as a predictor of permeability. <i>Brain Research Bulletin</i> , 1985 , 15, 287-92 | 3.9 | 265 |
| 17 | Permeability of the blood-brain barrier to neuropeptides: the case for penetration. <i>Psychoneuroendocrinology</i> , 1985 , 10, 385-99 | 5 | 118 |
| 16 | Aluminum alters the permeability of the blood-brain barrier to some non-peptides. <i>Neuropharmacology</i> , 1985 , 24, 407-12 | 5.5 | 58 |

| | | | |
|----|---|-----|----|
| 15 | Primary adrenal hyperplasia: a new subset of primary hyperaldosteronism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1984 , 58, 783-5 | 5.6 | 63 |
| 14 | A brain-to-blood carrier-mediated transport system for small, N-tyrosinated peptides. <i>Pharmacology Biochemistry and Behavior</i> , 1984 , 21, 943-6 | 3.9 | 88 |
| 13 | Misleading concepts in the field of brain peptides. <i>Peptides</i> , 1984 , 5 Suppl 1, 249-53 | 3.8 | 44 |
| 12 | 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, 201-7 | 3.7 | 60 |
| 11 | Minireview. Brain peptides: the dangers of constricted nomenclatures. <i>Life Sciences</i> , 1983 , 32, 295-301 | 6.8 | 35 |
| 10 | Delta sleep-inducing peptide (DSIP)-like material is absorbed by the gastrointestinal tract of the neonatal rat. <i>Life Sciences</i> , 1983 , 33, 1587-97 | 6.8 | 24 |
| 9 | CSF-plasma relationships for DSIP and some other neuropeptides. <i>Pharmacology Biochemistry and Behavior</i> , 1983 , 19, 1037-40 | 3.9 | 23 |
| 8 | Differential penetration of DSIP peptides into rat brain. <i>Pharmacology Biochemistry and Behavior</i> , 1982 , 17, 1187-91 | 3.9 | 38 |
| 7 | Delta sleep-inducing peptide crosses the blood-brain-barrier in dogs: some correlations with protein binding. <i>Pharmacology Biochemistry and Behavior</i> , 1982 , 17, 1009-14 | 3.9 | 45 |
| 6 | Radioimmunoassay of DSIP-like material in human blood: possible protein binding. <i>Pharmacology Biochemistry and Behavior</i> , 1981 , 15, 969-74 | 3.9 | 53 |
| 5 | Evidence for a cholecystokinin gut-brain axis with modulation by bombesin. <i>Peptides</i> , 1980 , 1, 347-51 | 3.8 | 42 |
| 4 | Negative allelopathic effects of rutin and quercetin on fourteen soil and enteric microbes. <i>Biochemical Systematics and Ecology</i> , 1978 , 6, 1-3 | 1.4 | 4 |
| 3 | Other Dementias1111-1133 | | |
| 2 | The S1 protein of SARS-CoV-2 crosses the blood-brain barrier: Kinetics, distribution, mechanisms, and influence of ApoE genotype, sex, and inflammation | | 1 |
| 1 | The BloodBrain Barrier and CNS Drug Delivery1-22 | | 1 |