

Conrad E Johanson

List of Publications by Year in descending order

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115
papers

6,918
citations

44042

48
h-index

62565

80
g-index

118
all docs

118
docs citations

118
times ranked

7337
citing authors

#	ARTICLE	IF	CITATIONS
1	Organ Culture and Grafting of Choroid Plexus into the Ventricular CSF of Normal and Hydrocephalic HTx Rats. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 626-640.	0.9	3
2	Neural stem cell therapy of foetal onset hydrocephalus using the HTx rat as experimental model. <i>Cell and Tissue Research</i> , 2020, 381, 141-161.	1.5	10
3	Blending Established and New Perspectives on Choroid Plexus-CSF Dynamics. <i>Physiology in Health and Disease</i> , 2020, , 35-81.	0.2	2
4	Choroid Plexus: Source of Cerebrospinal Fluid and Regulator of Brain Development and Function. , 2019, , 239-266.		2
5	Counteracting the effects of <sc>TNF</sc> receptorâ€¹ has therapeutic potential in Alzheimer's disease. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	81
6	Neurospheres from neural stem/neural progenitor cells (NSPCs) of non-hydrocephalic HTx rats produce neurons, astrocytes and multiciliated ependyma: the cerebrospinal fluid of normal and hydrocephalic rats supports such a differentiation. <i>Cell and Tissue Research</i> , 2018, 373, 421-438.	1.5	10
7	Choroid plexus genes for CSF production and brain homeostasis are altered in Alzheimerâ€™s disease. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 34.	2.4	58
8	Blood-Cerebrospinal Fluid Barrier Gradients in Mild Cognitive Impairment and Alzheimer's Disease: Relationship to Inflammatory Cytokines and Chemokines. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 245.	1.7	60
9	Choroid Plexus: Source of Cerebrospinal Fluid and Regulator of Brain Development and Function. , 2018, , 1-36.		0
10	Comparative transcriptomics of choroid plexus in Alzheimerâ€™s disease, frontotemporal dementia and Huntingtonâ€™s disease: implications for CSF homeostasis. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 18.	2.4	86
11	Editorial: New Approaches to the Pathogenesis of Sudden Intrauterine Unexplained Death and Sudden Infant Death Syndrome. <i>Frontiers in Neurology</i> , 2017, 8, 441.	1.1	3
12	Merging Transport Data for Choroid Plexus with Blood-Brain Barrier to Model CNS Homeostasis and Disease More Effectively. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016, 15, 1151-1180.	0.8	16
13	The Orphan C2orf40 Gene is a Neuroimmune Factor in Alzheimer's Disease. <i>JSM Alzheimer's Disease and Related Dementia</i> , 2016, 3, .	0.0	5
14	Cell Junction Pathology of Neural Stem Cells Is Associated With Ventricular Zone Disruption, Hydrocephalus, and Abnormal Neurogenesis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 653-671.	0.9	72
15	Choroid plexus dysfunction impairs beta-amyloid clearance in a triple transgenic mouse model of Alzheimer's disease. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 17.	1.8	91
16	A balanced view of choroid plexus structure and function: Focus on adult humans. <i>Experimental Neurology</i> , 2015, 267, 78-86.	2.0	167
17	A balanced view of the cerebrospinal fluid composition and functions: Focus on adult humans. <i>Experimental Neurology</i> , 2015, 273, 57-68.	2.0	304
18	Fluid-Forming Function of the Choroid Plexus: What is the Role of Aquaporin-1?. , 2015, , 140-171.		2

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19	Amyloid-beta accumulation, neurogenesis, behavior, and the age of rats.. Behavioral Neuroscience, 2014, 128, 523-536.	0.6	29
20	The nexus of vitamin homeostasis and DNA synthesis and modification in mammalian brain. Molecular Brain, 2014, 7, 3.	1.3	29
21	Alzheimer's Therapeutics Targeting Amyloid Beta 1â€“42 Oligomers I: Abeta 42 Oligomer Binding to Specific Neuronal Receptors Is Displaced by Drug Candidates That Improve Cognitive Deficits. PLoS ONE, 2014, 9, e111898.	1.1	120
22	Vulnerability of fourth ventricle choroid plexus in sudden unexplained fetal and infant death syndromes related to smoking mothers. International Journal of Developmental Neuroscience, 2013, 31, 319-327.	0.7	17
23	Sustained choroid plexus function in human elderly and Alzheimerâ€™s disease patients. Fluids and Barriers of the CNS, 2013, 10, 28.	2.4	26
24	Augurin and Ecr4-derived Neuropeptides. , 2013, , 1655-1666.		0
25	A cell junction pathology of neural stem cells leads to abnormal neurogenesis and hydrocephalus. Biological Research, 2012, 45, 231-241.	1.5	78
26	Temporal course of cerebrospinal fluid dynamics and amyloid accumulation in the aging rat brain from three to thirty months. Fluids and Barriers of the CNS, 2012, 9, 3.	2.4	79
27	Targeting the Choroid Plexus-CSF-Brain Nexus Using Peptides Identified by Phage Display. Methods in Molecular Biology, 2011, 686, 483-498.	0.4	9
28	Ecr4 expression and its product augurin in the choroid plexus: impact on fetal brain development, cerebrospinal fluid homeostasis and neuroprogenitor cell response to CNS injury. Fluids and Barriers of the CNS, 2011, 8, 6.	2.4	59
29	The Bloodâ€™Cerebrospinal Fluid Barrier: Structure and Functional Significance. Methods in Molecular Biology, 2011, 686, 101-131.	0.4	171
30	Changes in Brain β -Amyloid Deposition and Aquaporin 4 Levels in Response to Altered <i>Agrin</i> Expression in Mice. Journal of Neuropathology and Experimental Neurology, 2011, 70, 1124-1137.	0.9	47
31	Traumatic brain injury and recovery mechanisms: peptide modulation of periventricular neurogenic regions by the choroid plexusâ€™CSF nexus. Journal of Neural Transmission, 2011, 118, 115-133.	1.4	100
32	Targeting choroid plexus epithelia and ventricular ependyma for drug delivery to the central nervous system. BMC Neuroscience, 2011, 12, 4.	0.8	28
33	Amyloid-beta transporter expression at the blood-CSF barrier is age-dependent. Fluids and Barriers of the CNS, 2011, 8, 21.	2.4	104
34	The Distributional Nexus of Choroid Plexus to Cerebrospinal Fluid, Ependyma and Brain. Toxicologic Pathology, 2011, 39, 186-212.	0.9	83
35	Production and Flow of Cerebrospinal Fluid. , 2011, , 487-493.		3
36	Esophageal Cancer Related Gene-4 Is a Choroid Plexus-Derived Injury Response Gene: Evidence for a Biphasic Response in Early and Late Brain Injury. PLoS ONE, 2011, 6, e24609.	1.1	42

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37	Amyloid Deposition and Influx Transporter Expression at the Blood-Brain Barrier Increase in Normal Aging. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 98-108.	0.9	94
38	Vectorial Ligand Transport Through Mammalian Choroid Plexus. <i>Pharmaceutical Research</i> , 2010, 27, 2054-2062.	1.7	35
39	Amyloid and Tau accumulate in the brains of aged hydrocephalic rats. <i>Brain Research</i> , 2010, 1317, 286-296.	1.1	37
40	Epidermal growth factor targeting of bacteriophage to the choroid plexus for gene delivery to the central nervous system via cerebrospinal fluid. <i>Brain Research</i> , 2010, 1359, 1-13.	1.1	11
41	Cerebrolysin reduces blood-cerebrospinal fluid barrier permeability change, brain pathology, and functional deficits following traumatic brain injury in the rat. <i>Annals of the New York Academy of Sciences</i> , 2010, 1199, 125-137.	1.8	79
42	Amyloid Efflux Transporter Expression at the Blood-Brain Barrier Declines in Normal Aging. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 1034-1043.	0.9	157
43	Co-localization and regulation of basic fibroblast growth factor and arginine vasopressin in neuroendocrine cells of the rat and human brain. <i>Cerebrospinal Fluid Research</i> , 2010, 7, 13.	0.5	6
44	Choroid plexus failure in the Kearns-Sayre syndrome. <i>Cerebrospinal Fluid Research</i> , 2010, 7, 14.	0.5	26
45	Brain Ventricular Volume and Cerebrospinal Fluid Biomarkers of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 647-657.	1.2	83
46	Treatment Modalities for Leptomeningeal Metastases. <i>Seminars in Oncology</i> , 2009, 36, S46-S54.	0.8	54
47	Low levels of amyloid-beta and its transporters in neonatal rats with and without hydrocephalus. <i>Cerebrospinal Fluid Research</i> , 2009, 6, 4.	0.5	17
48	Hippocampal RAGE immunoreactivity in early and advanced Alzheimer's disease. <i>Brain Research</i> , 2008, 1230, 273-280.	1.1	164
49	Multiplicity of cerebrospinal fluid functions: New challenges in health and disease. <i>Cerebrospinal Fluid Research</i> , 2008, 5, 10.	0.5	650
50	Report on a conference analyzing the role of cerebrospinal fluid prophylaxis for brain tumors. <i>Cerebrospinal Fluid Research</i> , 2008, 5, 6.	0.5	1
51	Choroid Plexus-cerebrospinal Fluid Circulatory Dynamics: Impact on Brain Growth, Metabolism, and Repair. , 2008, , 173-200.		21
52	Cerebral Cortical Arteriolar Angiopathy, Vascular Beta-Amyloid, Smooth Muscle Actin, Braak Stage, and APOE Genotype. <i>Stroke</i> , 2008, 39, 814-821.	1.0	56
53	Apolipoprotein E, Amyloid- β , and Blood-Brain Barrier Permeability in Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 261-270.	0.9	73
54	Altering Agrin Expression Influences A β Deposition in APP(Swe)/PS1(ex9) Transgenic Mice. <i>FASEB Journal</i> , 2008, 22, 707.5.	0.2	0

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55	Effects of FGF α 2 Overexpression in the Dutch/Iowa APP Transgenic Mouse. FASEB Journal, 2008, 22, 707.4.	0.2	1
56	Enhanced expression of the LRP-1 transporter at the blood-CSF interface in chronic hydrocephalus. Cerebrospinal Fluid Research, 2007, 4, .	0.5	1
57	Does NPH equal ischemia?. Cerebrospinal Fluid Research, 2007, 4, .	0.5	0
58	Chemotherapy Delivery Issues in Central Nervous System Malignancy: A Reality Check. Journal of Clinical Oncology, 2007, 25, 2295-2305.	0.8	369
59	Report on BrainChild hydrocephalus conference. Cerebrospinal Fluid Research, 2007, 4, 4.	0.5	0
60	REVIEW: Vitamin transport and homeostasis in mammalian brain: focus on Vitamins B and E. Journal of Neurochemistry, 2007, 103, 425-438.	2.1	144
61	Intracerebroventricularly Administered Neurotrophins Attenuate Blood \rightarrow Cerebrospinal Fluid Barrier Breakdown and Brain Pathology following Whole \rightarrow Body Hyperthermia. Annals of the New York Academy of Sciences, 2007, 1122, 112-129.	1.8	47
62	The Origin of Deoxynucleosides in Brain: Implications for the Study of Neurogenesis and Stem Cell Therapy. Pharmaceutical Research, 2007, 24, 859-867.	1.7	21
63	Micronutrient and Urate Transport in Choroid Plexus and Kidney: Implications for Drug Therapy. Pharmaceutical Research, 2006, 23, 2515-2524.	1.7	67
64	RAGE, LRP-1, and amyloid-beta protein in Alzheimer \rightarrow 's disease. Acta Neuropathologica, 2006, 112, 405-415.	3.9	427
65	Fibroblast Growth Factor and the Blood \rightarrow Brain Barrier. , 2006, , 1449-1454.		2
66	Enhanced Prospects for Drug Delivery and Brain Targeting by the Choroid Plexus \rightarrow CSF Route. Pharmaceutical Research, 2005, 22, 1011-1037.	1.7	122
67	Title is missing!. Cerebrospinal Fluid Research, 2005, 2, S6.	0.5	6
68	Choroid Plexus and CSF in Alzheimer \rightarrow 's Disease. , 2005, , 311-344.		0
69	Volume Transmission-Mediated Protective Impact of Choroid Plexus-Cerebrospinal Fluid Growth Factors on Forebrain Ischemic Injury. , 2004, , 361-384.		3
70	Peptide and peptide analog transport systems at the blood \rightarrow CSF barrier. Advanced Drug Delivery Reviews, 2004, 56, 1765-1791.	6.6	145
71	Homeostatic capabilities of the choroid plexus epithelium in Alzheimer's disease. Cerebrospinal Fluid Research, 2004, 1, 3.	0.5	74
72	Hydrocephalus disorders: their biophysical and neuroendocrine impact on the choroid plexus epithelium. Advances in Molecular and Cell Biology, 2003, 31, 269-293.	0.1	11

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73	Stress protein expression in the Alzheimer-diseased choroid plexus. <i>Journal of Alzheimer's Disease</i> , 2003, 5, 171-177.	1.2	48
74	The Choroid Plexusâ€”CSF Nexus. , 2003, , 165-195.		5
75	Distribution of fibroblast growth factor receptors and their co-localization with vasopressin in the choroid plexus epithelium. <i>NeuroReport</i> , 2002, 13, 257-259.	0.6	21
76	Human Choroid Plexus Growth Factors: What Are the Implications for CSF Dynamics in Alzheimer's Disease?. <i>Experimental Neurology</i> , 2001, 167, 40-47.	2.0	100
77	FGF-2 immunoreactivity in adult rat ependyma and choroid plexus: Responses to global forebrain ischemia and intraventricular FGF-2. <i>Neurological Research</i> , 2001, 23, 353-358.	0.6	26
78	Choroid plexus recovery after transient forebrain ischemia: role of growth factors and other repair mechanisms. <i>Cellular and Molecular Neurobiology</i> , 2000, 20, 197-216.	1.7	79
79	AVP V ₁ receptor-mediated decrease in Cl ⁻ efflux and increase in dark cell number in choroid plexus epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C82-C90.	2.1	75
80	Vasopressin mediates the inhibitory effect of central angiotensin II on cerebrospinal fluid formation. <i>European Journal of Pharmacology</i> , 1998, 347, 205-209.	1.7	41
81	The temporal profile and morphologic features of neuronal death in human stroke resemble those observed in experimental forebrain ischemia: The potential role of apoptosis. <i>Neurological Research</i> , 1998, 20, 283-296.	0.6	41
82	Vasopressin Gene Expression in Rat Choroid Plexus. <i>Advances in Experimental Medicine and Biology</i> , 1998, 449, 59-65.	0.8	27
83	Arachnoid membrane, subarachnoid CSF and piaâ€”glia. , 1998, , 259-269.		8
84	The presence of arginine vasopressin and its mRNA in rat choroid plexus epithelium. <i>Molecular Brain Research</i> , 1997, 48, 67-72.	2.5	50
85	Immunohistochemical localization of nitric oxide synthase in rat anterior choroidal artery, stromal blood microvessels, and choroid plexus epithelial cells. <i>Cell and Tissue Research</i> , 1996, 285, 411-418.	1.5	25
86	Cystatin C, a protease inhibitor, in degenerating rat hippocampal neurons following transient forebrain ischemia. <i>Brain Research</i> , 1995, 691, 1-8.	1.1	94
87	N -Acetylcysteine Enhances Hippocampal Neuronal Survival After Transient Forebrain Ischemia in Rats. <i>Stroke</i> , 1995, 26, 305-311.	1.0	77
88	A developmental analysis of differences in the uptake of [123I]isopropylidoamphetamine versus 99mTc-pertechnetate by the choroid plexus and brain. <i>Neurochemical Research</i> , 1994, 19, 379-384.	1.6	4
89	AT1 receptor subtype mediates the inhibitory effect of central angiotensin II on cerebrospinal fluid formation in the rat. <i>Regulatory Peptides</i> , 1994, 53, 123-129.	1.9	17
90	Microdialysis analysis of effects of loop diuretics and acetazolamide on chloride transport from blood to CSF. <i>Brain Research</i> , 1994, 641, 121-126.	1.1	24

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91	Ethacrynic acid and furosemide alter Cl, K, and Na distribution between blood, choroid plexus, CSF, and brain. <i>Neurochemical Research</i> , 1992, 17, 1079-1085.	1.6	26
92	Chloride efflux from isolated choroid plexus. <i>Brain Research</i> , 1991, 562, 306-310.	1.1	18
93	Response of infant and adult rat choroid plexus potassium transporters to increased extracellular potassium. <i>Developmental Brain Research</i> , 1991, 60, 229-233.	2.1	16
94	Cisterna magna microdialysis of ²² Na to evaluate ion transport and cerebrospinal fluid dynamics. <i>Journal of Neurosurgery</i> , 1991, 74, 965-971.	0.9	24
95	Potassium Cotransport with Sodium and Chloride in the Choroid Plexus. <i>Journal of Neurochemistry</i> , 1991, 56, 1623-1629.	2.1	61
96	Acidosis, Acetazolamide, and Amiloride: Effects on ²² Na Transfer Across the Blood-Brain and Blood-CSF Barriers. <i>Journal of Neurochemistry</i> , 1989, 52, 1058-1063.	2.1	68
97	The Mammalian Choroid Plexus. <i>Scientific American</i> , 1989, 261, 68-74.	1.0	204
98	Alteration of sodium transport by the choroid plexus with amiloride. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 979, 187-192.	1.4	49
99	Ontogeny and Phylogeny of the Blood-Brain Barrier. , 1989, , 157-198.		23
100	Potential for Pharmacologic Manipulation of the Blood-Cerebrospinal Fluid Barrier. , 1989, , 223-260.		28
101	Regulation of pH and HCO ₃ in brain and CSF of the developing mammalian central nervous system. <i>Developmental Brain Research</i> , 1988, 38, 255-264.	2.1	9
102	The Choroid Plexusâ€“Arachnoid Membraneâ€“Cerebrospinal Fluid System. , 1988, , 33-104.		25
103	Third ventricle choroid plexus function and its response to acute perturbations in plasma chemistry. <i>Brain Research</i> , 1986, 374, 137-146.	1.1	16
104	Adrenergic-Induced Enhancement of Brain Barrier System Permeability to Small Nonelectrolytes: Choroid Plexus versus Cerebral Capillaries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1985, 5, 401-412.	2.4	53
105	Kinetic analysis of [³⁶ Cl] ⁻ , [²² Na] ⁻ and [³ H]mannitol uptake into the in vivo choroid plexus-cerebrospinal fluid brain system: Ontogeny of the blood-brain and blood-CSF barriers. <i>Developmental Brain Research</i> , 1982, 3, 181-198.	2.1	59
106	Acidosis-Induced Enhanced Activity of the Na-K Exchange Pump in the In Vivo Choroid Plexus: An Ontogenetic Analysis of Possible Role in Cerebrospinal Fluid pH Homeostasis. <i>Journal of Neurochemistry</i> , 1982, 38, 322-332.	2.1	20
107	A comparative analysis of extracellular fluid volume of several tissues as determined by six different markers. <i>Life Sciences</i> , 1981, 29, 449-456.	2.0	23
108	Uptake of ³⁶ Cl and ²² Na by the Choroid Plexus-Cerebrospinal Fluid System: Evidence for Active Chloride Transport by the Choroidal Epithelium. <i>Journal of Neurochemistry</i> , 1981, 37, 107-116.	2.1	39

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109	Uptake of ³⁶ Cl and ²² Na by the Brain-Cerebrospinal Fluid System: Comparison of the Permeability of the Blood-Brain and Blood-Cerebrospinal Fluid Barriers. <i>Journal of Neurochemistry</i> , 1981, 37, 117-124.	2.1	55
110	Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. <i>Brain Research</i> , 1980, 190, 3-16.	1.1	144
111	Uptake of [¹⁴ C]urea by the <i>in vivo</i> choroid plexus-cerebrospinal fluid-brain system: identification of sites of molecular sieving. <i>Journal of Physiology</i> , 1978, 275, 167-176.	1.3	36
112	Developmental studies of the compartmentalization of water and electrolytes in the choroid plexus of the neonatal rat brain. <i>Brain Research</i> , 1976, 116, 35-48.	1.1	42
113	Active transport of sodium and potassium by the choroid plexus of the rat. <i>Journal of Physiology</i> , 1974, 241, 359-372.	1.3	65
114	Changes in CSF Flow and Extracellular Space in the Developing Rat. <i>Advances in Behavioral Biology</i> , 1974, , 281-287.	0.2	33
115	The Choroid Plexus-CSF Nexus: Gateway to the Brain. , 0, , 165-196.		9