

List of Publications by Year in descending order

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45
papers

3,618
citations

159525

30
h-index

233338

45
g-index

46
all docs

46
docs citations

46
times ranked

4470
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer of rhodamine-123 into the brain and cerebrospinal fluid of fetal, neonatal and adult rats. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 6.	2.4	2
2	Medications for pregnant women: A balancing act between the interests of the mother and of the fetus. <i>Prenatal Diagnosis</i> , 2020, 40, 1156-1167.	1.1	5
3	Effects of paracetamol (acetaminophen) on gene expression and permeability properties of the rat placenta and fetal brain. <i>F1000Research</i> , 2020, 9, 573.	0.8	16
4	Effects of paracetamol (acetaminophen) on gene expression and permeability properties of the rat placenta and fetal brain. <i>F1000Research</i> , 2020, 9, 573.	0.8	13
5	Developmental differences in the expression of ABC transporters at rat brain barrier interfaces following chronic exposure to diallyl sulfide. <i>Scientific Reports</i> , 2019, 9, 5998.	1.6	18
6	Recent Developments in Understanding Barrier Mechanisms in the Developing Brain: Drugs and Drug Transporters in Pregnancy, Susceptibility or Protection in the Fetal Brain?. <i>Annual Review of Pharmacology and Toxicology</i> , 2019, 59, 487-505.	4.2	33
7	Physiology and molecular biology of barrier mechanisms in the fetal and neonatal brain. <i>Journal of Physiology</i> , 2018, 596, 5723-5756.	1.3	82
8	General Introduction to Barrier Mechanisms in the Central Nervous System. , 2017, , 1-22.		1
9	Brain barriers and functional interfaces with sequential appearance of ABC efflux transporters during human development. <i>Scientific Reports</i> , 2017, 7, 11603.	1.6	57
10	The biological significance of brain barrier mechanisms: help or hindrance in drug delivery to the central nervous system?. <i>F1000Research</i> , 2016, 5, 313.	0.8	104
11	Editorial: Ontogeny and Phylogeny of Brain Barrier Mechanisms. <i>Frontiers in Neuroscience</i> , 2016, 10, 41.	1.4	4
12	Delayed astrocytic contact with cerebral blood vessels in <i>FGF2</i> deficient mice does not compromise permeability properties at the developing blood-brain barrier. <i>Developmental Neurobiology</i> , 2016, 76, 1201-1212.	1.5	12
13	The inner CSF-brain barrier: developmentally controlled access to the brain via intercellular junctions. <i>Frontiers in Neuroscience</i> , 2015, 9, 16.	1.4	92
14	Influx mechanisms in the embryonic and adult rat choroid plexus: a transcriptome study. <i>Frontiers in Neuroscience</i> , 2015, 9, 123.	1.4	37
15	Markers for blood-brain barrier integrity: how appropriate is Evans blue in the twenty-first century and what are the alternatives?. <i>Frontiers in Neuroscience</i> , 2015, 9, 385.	1.4	237
16	Cellular Specificity of the Blood-CSF Barrier for Albumin Transfer across the Choroid Plexus Epithelium. <i>PLoS ONE</i> , 2014, 9, e106592.	1.1	32
17	The rights and wrongs of blood-brain barrier permeability studies: a walk through 100 years of history. <i>Frontiers in Neuroscience</i> , 2014, 8, 404.	1.4	179
18	Transporters of the blood-brain and blood-CSF interfaces in development and in the adult. <i>Molecular Aspects of Medicine</i> , 2013, 34, 742-752.	2.7	111

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19	Developmental changes in the transcriptome of the rat choroid plexus in relation to neuroprotection. <i>Fluids and Barriers of the CNS</i> , 2013, 10, 25.	2.4	68
20	Immune responses at brain barriers and implications for brain development and neurological function in later life. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 61.	1.0	57
21	Mechanisms That Determine the Internal Environment of the Developing Brain: A Transcriptomic, Functional and Ultrastructural Approach. <i>PLoS ONE</i> , 2013, 8, e65629.	1.1	65
22	Barriers in the developing brain and Neurotoxicology. <i>NeuroToxicology</i> , 2012, 33, 586-604.	1.4	165
23	Barrier Mechanisms in the Developing Brain. <i>Frontiers in Pharmacology</i> , 2012, 3, 46.	1.6	378
24	Molecular Characterisation of Transport Mechanisms at the Developing Mouse Blood–CSF Interface: A Transcriptome Approach. <i>PLoS ONE</i> , 2012, 7, e33554.	1.1	61
25	Engaging neuroscience to advance translational research in brain barrier biology. <i>Nature Reviews Neuroscience</i> , 2011, 12, 169-182.	4.9	508
26	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. <i>Brain</i> , 2011, 134, 3236-3248.	3.7	62
27	Assessing Blood–Cerebrospinal Fluid Barrier Permeability in the Rat Embryo. <i>Methods in Molecular Biology</i> , 2011, 686, 247-265.	0.4	4
28	Development of the lateral ventricular choroid plexus in a marsupial, <i>Monodelphis domestica</i> . <i>Cerebrospinal Fluid Research</i> , 2010, 7, 16.	0.5	37
29	NEUROBID—an EU-funded project to study the developing brain barriers. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 411-412.	0.7	2
30	Efflux mechanisms at the developing brain barriers: ABC-transporters in the fetal and postnatal rat. <i>Toxicology Letters</i> , 2010, 197, 51-59.	0.4	104
31	The neonatal blood-brain barrier is functionally effective, and immaturity does not explain differential targeting of AAV9. <i>Nature Biotechnology</i> , 2009, 27, 804-805.	9.4	37
32	Cellular transfer of macromolecules across the developing choroid plexus of <i>Monodelphis domestica</i> . <i>European Journal of Neuroscience</i> , 2009, 29, 253-266.	1.2	47
33	The blood–CSF barrier explained: when development is not immaturity. <i>BioEssays</i> , 2008, 30, 237-248.	1.2	140
34	Barriers in the brain: a renaissance?. <i>Trends in Neurosciences</i> , 2008, 31, 279-286.	4.2	191
35	Permeability and route of entry for lipid-insoluble molecules across brain barriers in developing <i>Monodelphis domestica</i> . <i>Journal of Physiology</i> , 2001, 536, 841-853.	1.3	60
36	Fetuin in the developing neocortex of the rat: Distribution and origin. <i>Journal of Comparative Neurology</i> , 2000, 423, 373-388.	0.9	41

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37	The nature and composition of the internal environment of the developing brain. Cellular and Molecular Neurobiology, 2000, 20, 41-56.	1.7	40
38	Barriers in the immature brain. Cellular and Molecular Neurobiology, 2000, 20, 29-40.	1.7	140
39	Ontogenetic development of diffusional restriction to protein at the pial surface of the rat brain: an electron microscopical study. Journal of Neurocytology, 1997, 26, 133-148.	1.6	28
40	The importance of the blood-brain barrier in fetuses and embryos. Trends in Neurosciences, 1991, 14, 14.	4.2	47
41	Cell junctions and membrane specializations in the ventricular zone (germinal matrix) of the developing sheep brain: A CSF-brain barrier. Journal of Neurocytology, 1987, 16, 433-444.	1.6	88
42	The choroid plexus in fetal sheep during development with special reference to intracellular plasma proteins. Developmental Brain Research, 1983, 8, 77-88.	2.1	28
43	Intracellular plasma proteins in human fetal choroid plexus during development I. Developmental stages in relation to the number of epithelial cells which contain albumin in telencephalic, diencephalic and myelencephalic choroid plexus. Developmental Brain Research, 1982, 3, 239-250.	2.1	21
44	Intracellular plasma proteins in human fetal choroid plexus during development II. The distribution of prealbumin, albumin, alpha-fetoprotein, transferrin, IgG, IgA, IgM, and alpha1-antitrypsin. Developmental Brain Research, 1982, 3, 251-262.	2.1	37
45	Ontogeny of the blood-brain barrier. Experimental Eye Research, 1977, 25, 523-550.	1.2	117