List of Publications by Year in descending order

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45 papers	3,618 citations	159358 30 h-index	233125 45 g-index
46 all docs	46 docs citations	46 times ranked	4470 citing authors

#	Article	IF	Citations
1	Engaging neuroscience to advance translational research in brain barrier biology. Nature Reviews Neuroscience, 2011, 12, 169-182.	4.9	508
2	Barrier Mechanisms in the Developing Brain. Frontiers in Pharmacology, 2012, 3, 46.	1.6	378
3	Markers for blood-brain barrier integrity: how appropriate is Evans blue in the twenty-first century and what are the alternatives?. Frontiers in Neuroscience, 2015, 9, 385.	1.4	237
4	Barriers in the brain: a renaissance?. Trends in Neurosciences, 2008, 31, 279-286.	4.2	191
5	The rights and wrongs of blood-brain barrier permeability studies: a walk through 100 years of history. Frontiers in Neuroscience, 2014, 8, 404.	1.4	179
6	Barriers in the developing brain and Neurotoxicology. NeuroToxicology, 2012, 33, 586-604.	1.4	165
7	Barriers in the immature brain. Cellular and Molecular Neurobiology, 2000, 20, 29-40.	1.7	140
8	The bloodâ€“CSF barrier explained: when development is not immaturity. BioEssays, 2008, 30, 237-248.	1.2	140
9	Ontogeny of the blood-brain barrier. Experimental Eye Research, 1977, 25, 523-550.	1.2	117
10	Transporters of the bloodâ€“brain and bloodâ€“CSF interfaces in development and in the adult. Molecular Aspects of Medicine, 2013, 34, 742-752.	2.7	111
11	Efflux mechanisms at the developing brain barriers: ABC-transporters in the fetal and postnatal rat. Toxicology Letters, 2010, 197, 51-59.	0.4	104
12	The biological significance of brain barrier mechanisms: help or hindrance in drug delivery to the central nervous system?. F1000Research, 2016, 5, 313.	0.8	104
13	The inner CSFÃ¢â‚¬â€œbrain barrier: developmentally controlled access to the brain via intercellular junctions. Frontiers in Neuroscience, 2015, 9, 16.	1.4	92
14	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
15	Physiology and molecular biology of barrier mechanisms in the fetal and neonatal brain. Journal of Physiology, 2018, 596, 5723-5756.	1.3	82
16	Developmental changes in the transcriptome of the rat choroid plexus in relation to neuroprotection. Fluids and Barriers of the CNS, 2013, 10, 25.	2.4	68
17	Mechanisms That Determine the Internal Environment of the Developing Brain: A Transcriptomic, Functional and Ultrastructural Approach. PLoS ONE, 2013, 8, e65629.	1.1	65
18	Reduced ventricular proliferation in the foetal cortex following maternal inflammation in the mouse. Brain, 2011, 134, 3236-3248.	3.7	62

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19	Molecular Characterisation of Transport Mechanisms at the Developing Mouse Bloodâ€“CSF Interface: A Transcriptome Approach. PLoS ONE, 2012, 7, e33554.	1.1	61
20	Permeability and route of entry for lipidâ€insoluble molecules across brain barriers in developing Monodelphis domestica. Journal of Physiology, 2001, 536, 841-853.	1.3	60
21	Immune responses at brain barriers and implications for brain development and neurological function in later life. Frontiers in Integrative Neuroscience, 2013, 7, 61.	1.0	57
22	Brain barriers and functional interfaces with sequential appearance of ABC efflux transporters during human development. Scientific Reports, 2017, 7, 11603.	1.6	57
23	The importance of the blood-brain barrier in fetuses and embryos. Trends in Neurosciences, 1991, 14, 14.	4.2	47
24	Cellular transfer of macromolecules across the developing choroid plexus of Monodelphis domestica. European Journal of Neuroscience, 2009, 29, 253-266.	1.2	47
25	Fetuin in the developing neocortex of the rat: Distribution and origin. Journal of Comparative Neurology, 2000, 423, 373-388.	0.9	41
26	The nature and composition of the internal environment of the developing brain. Cellular and Molecular Neurobiology, 2000, 20, 41-56.	1.7	40
27	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
28	The neonatal blood-brain barrier is functionally effective, and immaturity does not explain differential targeting of AAV9. Nature Biotechnology, 2009, 27, 804-805.	9.4	37
29	Development of the lateral ventricular choroid plexus in a marsupial, Monodelphis domestica. Cerebrospinal Fluid Research, 2010, 7, 16.	0.5	37
30	Influx mechanisms in the embryonic and adult rat choroid plexus: a transcriptome study. Frontiers in Neuroscience, 2015, 9, 123.	1.4	37
31	Recent Developments in Understanding Barrier Mechanisms in the Developing Brain: Drugs and Drug Transporters in Pregnancy, Susceptibility or Protection in the Fetal Brain?. Annual Review of Pharmacology and Toxicology, 2019, 59, 487-505.	4.2	33
32	Cellular Specificity of the Bloodâ€“CSF Barrier for Albumin Transfer across the Choroid Plexus Epithelium. PLoS ONE, 2014, 9, e106592.	1.1	32
33	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
34	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
35	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
36	Developmental differences in the expression of ABC transporters at rat brain barrier interfaces following chronic exposure to diallyl sulfide. Scientific Reports, 2019, 9, 5998.	1.6	18

#	Article	IF	Citations
37	Effects of paracetamol (acetaminophen) on gene expression and permeability properties of the rat placenta and fetal brain. F1000Research, 2020, 9, 573.	0.8	16
38	Effects of paracetamol (acetaminophen) on gene expression and permeability properties of the rat placenta and fetal brain. F1000Research, 2020, 9, 573.	0.8	13
39	Delayed astrocytic contact with cerebral blood vessels in <scp>FGF</scp>â€2 deficient mice does not compromise permeability properties at the developing bloodâ€brain barrier. Developmental Neurobiology, 2016, 76, 1201-1212.	1.5	12
40	Medications for pregnant women: A balancing act between the interests of the mother and of the fetus. Prenatal Diagnosis, 2020, 40, 1156-1167.	1.1	5
41	Editorial: Ontogeny and Phylogeny of Brain Barrier Mechanisms. Frontiers in Neuroscience, 2016, 10, 41.	1.4	4
42	Assessing Bloodâ€“Cerebrospinal Fluid Barrier Permeability in the Rat Embryo. Methods in Molecular Biology, 2011, 686, 247-265.	0.4	4
43	NEUROBIDâ€”an EUâ€funded project to study the developing brain barriers. International Journal of Developmental Neuroscience, 2010, 28, 411-412.	0.7	2
44	Transfer of rhodamine-123Âinto the brain and cerebrospinal fluid of fetal, neonatal and adult rats. Fluids and Barriers of the CNS, 2021, 18, 6.	2.4	2
45	General Introduction to Barrier Mechanisms in the Central Nervous System. , 2017, , 1-22.		1