Andrey V Morgun

List of Publications by Year
in descending order

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46	594	840585 11	642610 23
papers	citations	h-index	g-index

53	53	53	766
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neuroinflammation and Infection: Molecular Mechanisms Associated with Dysfunction of Neurovascular Unit. Frontiers in Cellular and Infection Microbiology, 2017, 7, 276.	1.8	112
2	Glycolysis-mediated control of blood-brain barrier development and function. International Journal of Biochemistry and Cell Biology, 2015, 64, 174-184.	1.2	50
3	Gliotransmitters and cytokines in the control of blood-brain barrier permeability. Reviews in the Neurosciences, 2018, 29, 567-591.	1.4	45
4	Plasticity of Adipose Tissue-Derived Stem Cells and Regulation of Angiogenesis. Frontiers in Physiology, 2018, 9, 1656.	1.3	45
5	Endothelial Progenitor Cells Physiology and Metabolic Plasticity in Brain Angiogenesis and Blood-Brain Barrier Modeling. Frontiers in Physiology, 2016, 7, 599.	1.3	42
6	The inhibitory effect of LPS on the expression of GPR81 lactate receptor in blood-brain barrier model in vitro. Journal of Neuroinflammation, 2018, 15, 196.	3.1	41
7	Establishment of neurogenic microenvironment in the neurovascular unit: the connexin 43 story. Reviews in the Neurosciences, 2014, 25, 97-111.	1.4	34
8	Differential Roles of Environmental Enrichment in Alzheimerâ€™s Type of Neurodegeneration and Physiological Aging. Frontiers in Aging Neuroscience, 2017, 9, 245.	1.7	30
9	Bloodâ€“Brain Barrier and Neurovascular Unit In Vitro Models for Studying Mitochondria-Driven Molecular Mechanisms of Neurodegeneration. International Journal of Molecular Sciences, 2021, 22, 4661.	1.8	22
10	Designing in vitro Blood-Brain Barrier Models Reproducing Alterations in Brain Aging. Frontiers in Aging Neuroscience, 2018, 10, 234.	1.7	19
11	Early Life Stress: Consequences for the Development of the Brain. Neuroscience and Behavioral Physiology, 2018, 48, 233-250.	0.2	13
12	STRUCTURAL AND FUNCTIONAL HETEROGENEITY OF ASTROCYTES IN THE BRAIN: ROLE IN NEURODEGENERATION AND NEUROINFLAMMATION. Bulletin of Siberian Medicine, 2014, 13, 138-148.	0.1	11
13	Tight junction proteins of cerebral endothelial cells in early postnatal development. Cell and Tissue Biology, 2016, 10, 372-377.	0.2	9
14	In Vitro Modeling of Brain Progenitor Cell Development under the Effect of Environmental Factors. Bulletin of Experimental Biology and Medicine, 2015, 159, 546-549.	0.3	8
15	CD157 and Brain Immune System in (Patho)physiological Conditions: Focus on Brain Plasticity. Frontiers in Immunology, 2020, 11, 585294.	2.2	8
16	Perinatal Hypoxic and Ischemic Damage to the Central Nervous System Causes Changes in the Expression of Connexin 43 and CD38 and ADP-Ribosyl Cyclase Activity in Brain Cells. Bulletin of Experimental Biology and Medicine, 2008, 146, 733-736.	0.3	6
17	Regenerative potential of the brain: Composition and forming of regulatory microenvironment in neurogenic niches. Human Physiology, 2016, 42, 865-873.	0.1	6
18	Current approaches to modeling the virtual reality in rodents for the assessment of brain plasticity and behavior. Journal of Neuroscience Methods, 2020, 335, 108616.	1.3	6

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19	Hypercapnia potentiates HIF-1Î± activation in the brain of rats exposed to intermittent hypoxia. Respiratory Physiology and Neurobiology, 2020, 278, 103442.	0.7	6
20	Bloodâ€“Brain Barrier Breakdown in Stress and Neurodegeneration: Biochemical Mechanisms and New Models for Translational Research. Biochemistry (Moscow), 2021, 86, 746-760.	0.7	6
21	The Role of Ion Channels Expressed in Cerebral Endothelial Cells in the Functional Integrity of the Blood-Brain Barrier (Review). Sovremennye Tehnologii V Medicine, 2016, 8, 241-250.	0.4	6
22	Current advances in cell electrophysiology: applications for the analysis of intercellular communications within the neurovascular unit. Reviews in the Neurosciences, 2016, 27, 365-376.	1.4	5
23	Changes in expression and activity of CD38 in astroglial cells after impairment of the neuron-glia relationship in the brain induced by perinatal hypoxia-ischemia. Neurochemical Journal, 2009, 3, 207-213.	0.2	3
24	The coexpression of CD157/CD11b/CD18 in an experimental model of Parkinsonâ€™s disease. Neurochemical Journal, 2015, 9, 279-283.	0.2	3
25	Perinatal Brain Injury is Accompanied by Disturbances in Expression of SLC Protein Superfamily in Endotheliocytes of Hippocampal Microvessels. Bulletin of Experimental Biology and Medicine, 2016, 161, 770-774.	0.3	3
26	Aberrant angiogenesis in brain tissue in experimental Alzheimerâ€™s disease. Bulletin of Siberian Medicine, 2021, 19, 46-52.	0.1	3
27	Perinatal Hypoxic-Ischemic Brain Injury Affects the Glutamatergic Signal Transduction Coupled with Neuronal ADP-Ribosyl Cyclase Activity. Bulletin of Experimental Biology and Medicine, 2011, 150, 583-586.	0.3	2
28	Secret Life of Tiny Blood Vessels: Lactate, Scaffold and Beyond. Lecture Notes in Computer Science, 2017, , 591-601.	1.0	2
29	MODERN METHODS OF PERINATAL HYPOXIC-ISCHEMIC BRAIN INJURY MODELING IN VIVO. Voprosy Sovremennoi Pediatrii - Current Pediatrics, 2014, 13, 31.	0.1	2
30	NAD+-dependent mechanisms of disturbances of viability of brain cells during the acute period of hypoxic-ischemic perinatal injury. Neurochemical Journal, 2008, 2, 215-221.	0.2	1
31	Expression of Glutamate and Glutamine Transporter Proteins in Neurovascular Unit Cells In Vitro. Bulletin of Experimental Biology and Medicine, 2015, 159, 614-616.	0.3	1
32	Glial Dysfunction and Blood-Brain Barrier Impairment in the Developing Brain. Advances in Neuroimmune Biology, 2016, 6, 69-82.	0.7	1
33	Features of blood-brain barrier formation affected by the modulation of HIF activity in astroglial and neuronal cells in vitro. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2017, 11, 81-86.	0.2	1
34	The use of convolutional neural networks to identify artifacts of cells micrographs in biomedical research. Journal of Physics: Conference Series, 2019, 1399, 033089.	0.3	1
35	Astrocyte-Mediated Regulation of Cell Development in the Model of Neurogenic Niche in Vitro Treated with Aİ²1-42. Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry, 2020, 14, 6-14.	0.2	1
36	Features of expression of ÃŸ-amyloid in cerebral endothelial cells in experimental Alzheimerâ€™s disease. Molekulyarnaya Meditsina (Molecular Medicine), 2021, 19, 26-33.	0.0	1

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37	CD147 ÐºÐ°Ðº Ð½Ð¾Ð²Ð°Ñ•Ð¼Ð¾Ð»ÐµÐºÑƒÐ»Ð°-Ð¼Ð¸ÑˆÐµÐ½Ð¸ Ð´Ð»Ñ•Ñ„Ð¾Ñ€Ð¼Ð¸Ñ€Ð¾Ð²Ð°Ð½Ð¸Ñ Ð¸ Ð¾Ð¿Ñ‚Ð¸Ð¼Ð¸Ð·Ð°Ñ†Ð¸Ð¸ Ð³ÐµÐ¼Ð¾Ñ‚Ð¾Ð¿Ð¾Ð² Ð² Ð¾Ð½ÐºÐ¾Ð»Ð¾Ð³Ð¸Ð¸		
38	Brain ependymocytes in neurogenesis and maintaining integrity of blood-cerebrospinal fluid barrier. Fundamental and Clinical Medicine, 2019, 4, 83-94.	0.1	1
39	Mouse hippocampal neurospheres negatively regulate cerebral angiogenesis. Fundamental and Clinical Medicine, 2020, 5, 18-23.	0.1	1
40	Reproducibility of developmental neuroplasticity in in vitro brain tissue models. Reviews in the Neurosciences, 2022, 33, 531-554.	1.4	1
41	Enriched Environment Affects Positively a Progression of Neurodegeneration: Elastic Maps-Based Analysis. Lecture Notes in Computer Science, 2016, , 505-514.	1.0	0
42	Expression of thrombospondin-1 and CD36 and CD47 receptors in the rat brain after exposure to damaging factors in the early postnatal period. Biology Bulletin, 2017, 44, 307-314.	0.1	0
43	Overview of existing in vitro BBB models: advantages and disadvantages, current state and future prospects. Complex Issues of Cardiovascular Diseases, 2021, 10, 109-120.	0.3	0
44	MODERN TECHNOLOGIES OF BRAIN STEM CELLS CULTURE. Tsitologiya, 2018, 60, 587-597.	0.2	0
45	Clinical manifestations of vitamin B12 deficiency anemia in children from different age groups. Voprosy Prakticheskoi Pediatrii, 2020, 15, 18-26.	0.0	0
46	Modulation of Rage and CD147 in Cerebral Amyloid Angiopathy <i>in vitro</i>. Drug Development and Registration, 2022, 11, 169-173.	0.2	0