

Eugene Golanov

List of Publications by Year in descending order

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87
papers

2,777
citations

185998

28
h-index

182168

51
g-index

103
all docs

103
docs citations

103
times ranked

2213
citing authors

#	ARTICLE	IF	CITATIONS
1	Antisense oligodeoxynucleotides to NMDA-R1 receptor channel protect cortical neurons from excitotoxicity and reduce focal ischaemic infarctions. <i>Nature</i> , 1993, 363, 260-263.	13.7	383
2	Inhibition of Nitric Oxide Synthesis Increases Focal Ischemic Infarction in Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992, 12, 717-726.	2.4	234
3	Biology of Vascular Malformations of the Brain. <i>Stroke</i> , 2009, 40, e694-702.	1.0	194
4	Trigeminal Cardiac Reflex. <i>Medicine (United States)</i> , 2015, 94, e484.	0.4	115
5	Trigeminocardiac Reflex. <i>Journal of Neurosurgical Anesthesiology</i> , 2015, 27, 136-147.	0.6	114
6	Adrenergic and non-adrenergic spinal projections of a cardiovascular-active pressor area of medulla oblongata: quantitative topographic analysis. <i>Brain Research</i> , 1994, 663, 107-120.	1.1	82
7	Brain Region-Specific Alterations in the Gene Expression of Cytokines, Immune Cell Markers and Cholinergic System Components during Peripheral Endotoxin-Induced Inflammation. <i>Molecular Medicine</i> , 2014, 20, 601-611.	1.9	79
8	Central Neurogenic Neuroprotection: Central Neural Systems That Protect the Brain from Hypoxia and Ischemia. <i>Annals of the New York Academy of Sciences</i> , 1997, 835, 168-186.	1.8	71
9	Autonomic and Vasomotor Regulation. <i>International Review of Neurobiology</i> , 1997, 41, 121-149.	0.9	68
10	Spontaneous waves of cerebral blood flow associated with a pattern of electrocortical activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1994, 266, R204-R214.	0.9	66
11	Contribution of Cerebral Edema to the Neuronal Salvage Elicited by Stimulation of Cerebellar Fastigial Nucleus after Occlusion of the Middle Cerebral Artery in Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 172-174.	2.4	66
12	Nitric Oxide and Prostanoids Participate in Cerebral Vasodilation Elicited by Electrical Stimulation of the Rostral Ventrolateral Medulla. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 492-502.	2.4	60
13	Finding coherence in spontaneous oscillations. <i>Nature Neuroscience</i> , 2008, 11, 991-993.	7.1	59
14	Brief electrical stimulation of cerebellar fastigial nucleus conditions long-lasting salvage from focal cerebral ischemia: conditioned central neurogenic neuroprotection. <i>Brain Research</i> , 1998, 780, 161-165.	1.1	55
15	Neurons of a Limited Subthalamic Area Mediate Elevations in Cortical Cerebral Blood Flow Evoked by Hypoxia and Excitation of Neurons of the Rostral Ventrolateral Medulla. <i>Journal of Neuroscience</i> , 2001, 21, 4032-4041.	1.7	55
16	Contribution of oxygen-sensitive neurons of the rostral ventrolateral medulla to hypoxic cerebral vasodilatation in the rat.. <i>Journal of Physiology</i> , 1996, 495, 201-216.	1.3	54
17	Subarachnoid hemorrhage "Induced block of cerebrospinal fluid flow: Role of brain coagulation factor III (tissue factor). <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 793-808.	2.4	54
18	Reductions in Focal Ischemic Infarctions Elicited from Cerebellar Fastigial Nucleus Do Not Result from Elevations in Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1993, 13, 1020-1024.	2.4	50

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19	A brainstem area mediating cerebrovascular and EEG responses to hypoxic excitation of rostral ventrolateral medulla in rat. <i>Journal of Physiology</i> , 2000, 529, 413-429.	1.3	44
20	Neuroprotective Effects of Trigeminal Nerve Stimulation in Severe Traumatic Brain Injury. <i>Scientific Reports</i> , 2017, 7, 6792.	1.6	44
21	Sympatho-excitatory neurons of the rostral ventrolateral medulla are oxygen sensors and essential elements in the tonic and reflex control of the systemic and cerebral circulations. <i>Journal of Hypertension Supplement: Official Journal of the International Society of Hypertension</i> , 1994, 12, S159-80.	0.1	44
22	Definition and Diagnosis of the Trigemino-cardiac Reflex: A Grounded Theory Approach for an Update. <i>Frontiers in Neurology</i> , 2017, 8, 533.	1.1	38
23	Handling $^{22}\text{NaCl}$ by the Blood-Brain Barrier and Kidney. <i>Hypertension</i> , 1999, 33, 517-523.	1.3	35
24	Neurons of nucleus of the solitary tract synchronize the EEG and elevate cerebral blood flow via a novel medullary area. <i>Brain Research</i> , 2001, 892, 1-12.	1.1	35
25	Neuroprotective electrical stimulation of cerebellar fastigial nucleus attenuates expression of periinfarction depolarizing waves (PIDs) and inhibits cortical spreading depression. <i>Brain Research</i> , 1999, 818, 304-315.	1.1	34
26	Intrinsic Neurons of Fastigial Nucleus Mediate Neurogenic Neuroprotection against Excitotoxic and Ischemic Neuronal Injury in Rat. <i>Journal of Neuroscience</i> , 1999, 19, 4142-4154.	1.7	32
27	Stimulation of the subthalamic vasodilator area and fastigial nucleus independently protects the brain against focal ischemia. <i>Brain Research</i> , 2001, 912, 47-59.	1.1	32
28	The pedunculopontine tegmental nucleus issues collaterals to the fastigial nucleus and rostral ventrolateral reticular nucleus in the rat. <i>Brain Research</i> , 1997, 760, 272-276.	1.1	30
29	Neurogenic neuroprotection. <i>Cellular and Molecular Neurobiology</i> , 2003, 23, 651-663.	1.7	28
30	Electrical stimulation of cerebellar fastigial nucleus protects rat brain, in vitro, from staurosporine-induced apoptosis. <i>Journal of Neurochemistry</i> , 2008, 79, 328-338.	2.1	25
31	Cerebral cortical neurons with activity linked to central neurogenic spontaneous and evoked elevations in cerebral blood flow. <i>Neuroscience Letters</i> , 1996, 209, 101-104.	1.0	24
32	Protection of focal ischemic infarction by rilmenidine in the animal: Evidence that interactions with central imidazoline receptors may be neuroprotective. <i>American Journal of Cardiology</i> , 1994, 74, A25-A30.	0.7	23
33	Stimulation of cerebellum protects hippocampal neurons from global ischemia. <i>NeuroReport</i> , 1998, 9, 819-824.	0.6	23
34	Cerebellar stimulation reduces inducible nitric oxide synthase expression and protects brain from ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H2035-H2045.	1.5	23
35	Cardiovascular responses in anticipation of changes in posture and locomotion. <i>Brain Research Bulletin</i> , 2000, 53, 69-76.	1.4	23
36	Electrical stimulation of cerebellar fastigial nucleus fails to rematch blood flow and metabolism in focal ischemic infarctions. <i>Neuroscience Letters</i> , 1996, 210, 181-184.	1.0	22

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37	Stimulation of cerebellar fastigial nucleus inhibits interleukin-1 β -induced cerebrovascular inflammation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 275, H2053-H2063.	1.5	22
38	Fibrinogen Chains Intrinsic to the Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 541.	1.4	21
39	Specific actions of cyanide on membrane potential and voltage-gated ion currents in rostral ventrolateral medulla neurons in rat brainstem slices. <i>Neuroscience Letters</i> , 2001, 309, 125-129.	1.0	20
40	Single probe for real-time simultaneous monitoring of neurochemistry and direct-current electrocorticography. <i>Biosensors and Bioelectronics</i> , 2016, 77, 62-68.	5.3	20
41	Review of wearable technologies and machine learning methodologies for systematic detection of mild traumatic brain injuries. <i>Journal of Neural Engineering</i> , 2021, 18, 041006.	1.8	20
42	Brief electrical stimulation of cerebellar fastigial nucleus conditions long-lasting salvage from focal cerebral ischemia: conditioned central neurogenic neuroprotection. <i>Brain Research</i> , 1998, 780, 161-5.	1.1	20
43	Role of potassium channels in the central neurogenic neuroprotection elicited by cerebellar stimulation in rat. <i>Brain Research</i> , 1999, 842, 496-500.	1.1	19
44	Electrical stimulation of the dorsal periaqueductal gray decreases volume of the brain infarction independently of accompanying hypertension and cerebrovasodilation. <i>Brain Research</i> , 2003, 994, 135-145.	1.1	17
45	Effect of cervical vagotomy on catecholaminergic neurons in the cranial division of the parasympathetic nervous system. <i>Brain Research</i> , 1993, 617, 17-27.	1.1	16
46	The medullary cerebrovascular vasodilator area mediates cerebrovascular vasodilation and electroencephalogram synchronization elicited from cerebellar fastigial nucleus in Sprague-Dawley rats. <i>Neuroscience Letters</i> , 2000, 288, 183-186.	1.0	15
47	Integrating behavior and cardiovascular responses: the code. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1991, 261, R172-R181.	0.9	14
48	Vasodilation evoked from medulla and cerebellum is coupled to bursts of cortical EEG activity in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1995, 268, R454-R467.	0.9	14
49	Evaluation of microelectrode materials for direct-current electrocorticography. <i>Journal of Neural Engineering</i> , 2016, 13, 016008.	1.8	14
50	A system to acquire and record physiological and behavioral data remotely from nonhuman primates. <i>IEEE Transactions on Biomedical Engineering</i> , 1991, 38, 1175-1185.	2.5	12
51	The human brain pacemaker: Synchronized infra-slow neurovascular coupling in patients undergoing non-pulsatile cardiopulmonary bypass. <i>NeuroImage</i> , 2013, 72, 10-19.	2.1	12
52	A role for KATP $^{+}$ -channels in mediating the elevations of cerebral blood flow and arterial pressure by hypoxic stimulation of oxygen-sensitive neurons of rostral ventrolateral medulla. <i>Brain Research</i> , 1999, 827, 210-214.	1.1	11
53	Age at intracranial aneurysm rupture among generations. <i>Neurology</i> , 2009, 72, 695-698.	1.5	11
54	Integrity of Cerebellar Fastigial Nucleus Intrinsic Neurons Is Critical for the Global Ischemic Preconditioning. <i>Brain Sciences</i> , 2017, 7, 121.	1.1	7

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55	Subarachnoid Hemorrhage Induces Sub-acute and Early Chronic Impairment in Learning and Memory in Mice. <i>Translational Stroke Research</i> , 2022, 13, 625-640.	2.3	7
56	Diving Response in Rats: Role of the Subthalamic Vasodilator Area. <i>Frontiers in Neurology</i> , 2016, 7, 157.	1.1	6
57	Psychophysiological interrelations and reactivity characteristics in hypertensives.. <i>Health Psychology</i> , 1988, 7, 139-144.	1.3	5
58	Integrating behavior and cardiovascular responses: posture and locomotion. I. Static analysis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1993, 265, R1458-R1468.	0.9	5
59	CENTRAL NEUROGENIC NEUROPROTECTION: PROTECTION OF BRAIN FROM FOCAL ISCHEMIA BY CEREBELLAR STIMULATION. <i>Fundamental and Clinical Pharmacology</i> , 1997, 11, 39s.	1.0	5
60	Oxygen and Cerebral Blood Flow. , 1997, , 58-60.		5
61	Cerebrovasodilation evoked by stimulation of subthalamic vasodilator area and hypoxia depends upon the integrity of cortical neurons in the rat. <i>Neuroscience Letters</i> , 2004, 368, 92-95.	1.0	4
62	Highly accurate thermal flow microsensor for continuous and quantitative measurement of cerebral blood flow. <i>Biomedical Microdevices</i> , 2015, 17, 87.	1.4	4
63	Hippocampal Transcriptome Changes After Subarachnoid Hemorrhage in Mice. <i>Frontiers in Neurology</i> , 2021, 12, 691631.	1.1	4
64	Effect of naloxone in hypotension induced by acute blood loss in baboons (<i>Papio hamadryas</i>). <i>Bulletin of Experimental Biology and Medicine</i> , 1983, 96, 1428-1431.	0.3	3
65	Effect of ligands of opiate receptors on emotigenic cardiovascular responses in lower primates. <i>Bulletin of Experimental Biology and Medicine</i> , 1987, 103, 478-481.	0.3	3
66	Forehead Stimulation Decreases Volume of the Infarction Triggered by Permanent Occlusion of Middle Cerebral Artery in Rats. <i>Journal of Neurology & Stroke</i> , 2015, 2, .	0.0	3
67	A contemporary review of therapeutic and regenerative management of intracerebral hemorrhage. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2211-2221.	1.7	3
68	A User-Configurable Headstage for Multimodality Neuromonitoring in Freely Moving Rats. <i>Frontiers in Neuroscience</i> , 2016, 10, 382.	1.4	2
69	Photic sneeze reflex: another variant of the trigeminocardiac reflex?. <i>Future Neurology</i> , 2019, 14, FNL32.	0.9	2
70	Possible role of cerebellar fastigial nucleus in preconditioned neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S303-S303.	2.4	2
71	Disappearance of electroacupuncture effect in rabbits after destruction of the dorsomedial hypothalamus. <i>Bulletin of Experimental Biology and Medicine</i> , 1980, 89, 715-718.	0.3	1
72	Effect of nalorphine and naloxone on the course of electronociceptive shock in rabbits. <i>Bulletin of Experimental Biology and Medicine</i> , 1982, 93, 765-767.	0.3	1

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73	The Oxygen-Conserving Potential of the Trigemino-cardiac Reflex. , 2015, , 207-224.		1
74	A Step Further—The Role of Trigemino-cardiac Reflex in Therapeutic Implications: Hypothesis, Evidence, and Experimental Models. Journal of Neurosurgical Anesthesiology, 2022, 34, 364-371.	0.6	1
75	Central Neurogenic Regulation of Regional Cerebral Blood Flow (rCBF) and Relationship to Neuroprotection. , 1995, , 273-288.		1
76	Psychophysiological interrelations and reactivity characteristics in hypertensives. Health Psychology, 1988, 7 Suppl, 139-44.	1.3	1
77	Changes in sensomotor cortical evoked potentials during electric acupuncture in rabbits. Bulletin of Experimental Biology and Medicine, 1979, 88, 948-951.	0.3	0
78	Effect of motropine and naloxone on electroacupuncture analgesia. Bulletin of Experimental Biology and Medicine, 1981, 92, 1369-1371.	0.3	0
79	Effect of destruction of the paraventricular and mediobasal hypothalamus on pain shock in rabbits. Bulletin of Experimental Biology and Medicine, 1982, 94, 1024-1028.	0.3	0
80	Effect of naloxone in different doses on the course of hemorrhagic shock in rats. Bulletin of Experimental Biology and Medicine, 1983, 96, 1425-1428.	0.3	0
81	Plasma β -endorphin-like immunoreactivity and its variations in baboons. Bulletin of Experimental Biology and Medicine, 1985, 100, 1653-1655.	0.3	0
82	Correlation of anemia and outcome of traumatic brain injury. European Journal of Anaesthesiology, 2004, 21, 164-165.	0.7	0
83	Brain-friendly amperometric enzyme biosensor based on encapsulated oxygen generating biomaterial. , 2012, 2012, 6003-6.		0
84	Cholinergic thalamic excitation results in remote caspase-independent cell damage and seizures. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S478-S478.	2.4	0
85	Medullary epithelial sodium channels (ENAC) participate in cerebral blood flow (CBF) autoregulation. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S190-S190.	2.4	0
86	Subarachnoid Hemorrhage (SAH) Triggers Arrest of Cerebral Spinal Fluid (CSF) Circulation. FASEB Journal, 2015, 29, 149.4.	0.2	0
87	The trigemino-cardiac reflex: the course of the emerged definition over the last 21 years. Future Neurology, 2020, 15, .	0.9	0