

Alexander K Murashov

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,635
citations

257357

24
h-index

289141

40
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52
all docs

52
docs citations

52
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Drosophila</i> Passive Avoidance Behavior as a New Paradigm to Study Associative Aversive Learning. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
2	Preference and detrimental effects of high fat, sugar, and salt diet in wild-caught <i>Drosophila simulans</i> are reversed by flight exercise. <i>FASEB BioAdvances</i> , 2021, 3, 49-64.	1.3	12
3	CofActor: A light- and stress-gated optogenetic clustering tool to study disease-associated cytoskeletal dynamics in living cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 11231-11245.	1.6	7
4	miRNA-431 Prevents Amyloid- β -Induced Synapse Loss in Neuronal Cell Culture Model of Alzheimer's Disease by Silencing Kremen1. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 87.	1.8	45
5	Using Quantitative Real-Time PCR to Detect MicroRNA Expression Profile During Embryonic Stem Cell Differentiation. <i>Methods in Molecular Biology</i> , 2017, 1622, 255-265.	0.4	5
6	RNAi and MicroRNA-Mediated Gene Regulation in Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1622, 15-25.	0.4	9
7	Membrane Distribution and Activity of a Neuronal Voltage-Gated K ⁺ Channel is Modified by Replacement of Complex Type N-Glycans with Hybrid Type. <i>Journal of Glycobiology</i> , 2017, 06, .	0.2	5
8	Paternal long-term exercise programs offspring for low energy expenditure and increased risk for obesity in mice. <i>FASEB Journal</i> , 2016, 30, 775-784.	0.2	73
9	Neurogenic potential of spinal cord organotypic culture. <i>Neuroscience Letters</i> , 2015, 594, 60-65.	1.0	4
10	Molecular mechanisms of peripheral nerve regeneration: emerging roles of microRNAs. <i>Frontiers in Physiology</i> , 2013, 4, 55.	1.3	51
11	MicroRNA-431 regulates axon regeneration in mature sensory neurons by targeting the Wnt antagonist Kremen1. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 35.	1.4	69
12	Erratum to "Rho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatin" [NeuroToxicology 31 (2010) 188-194]. <i>NeuroToxicology</i> , 2012, 33, 1396.	1.4	0
13	Multi-walled carbon nanotubes inhibit regenerative axon growth of dorsal root ganglia neurons of mice. <i>Neuroscience Letters</i> , 2012, 507, 72-77.	1.0	34
14	Dicer-microRNA pathway is critical for peripheral nerve regeneration and functional recovery in vivo and regenerative axonogenesis in vitro. <i>Experimental Neurology</i> , 2012, 233, 555-565.	2.0	71
15	Embryonic stem cells inhibit expression of erythropoietin in the injured spinal cord. <i>Neuroscience Letters</i> , 2011, 488, 55-59.	1.0	3
16	MicroRNA machinery responds to peripheral nerve lesion in an injury-regulated pattern. <i>Neuroscience</i> , 2011, 190, 386-397.	1.1	58
17	Gastrocnemius Muscle Capillarization Is Increased In SOD1-G93A Mice. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 121.	0.2	0
18	A Mouse Model of Pharyngeal Dysphagia in Amyotrophic Lateral Sclerosis. <i>Dysphagia</i> , 2010, 25, 112-126.	1.0	35

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19	A THERMODYNAMIC MECHANISM BEHIND AN ACTION POTENTIAL AND BEHIND ANESTHESIA. Biophysical Reviews and Letters, 2010, 05, 35-41.	0.9	6
20	Rho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatin. NeuroToxicology, 2010, 31, 188-194.	1.4	23
21	Monitoring MicroRNA Expression During Embryonic Stem-Cell Differentiation Using Quantitative Real-Time PCR (qRT-PCR). Methods in Molecular Biology, 2010, 650, 213-224.	0.4	4
22	A Brief Introduction to RNAi and MicroRNAs in Stem Cells. Methods in Molecular Biology, 2010, 650, 15-25.	0.4	6
23	Pre-Differentiated Embryonic Stem Cells Promote Neuronal Regeneration by Cross-Coupling of BDNF and IL-6 Signaling Pathways in the Host Tissue. Journal of Neurotrauma, 2009, 26, 1029-1042.	1.7	18
24	Peripheral myelin protein 22 is regulated posttranscriptionally by miRNA-29a. Glia, 2009, 57, 1265-1279.	2.5	90
25	An Animal Model of Oral Dysphagia in Amyotrophic Lateral Sclerosis. Dysphagia, 2009, 24, 180-195.	1.0	53
26	Inducing and Reversing Anesthesia with Temperature Variation - Experiments on an Excised Frog Sciatic Nerve. Biophysical Journal, 2009, 96, 95a-96a.	0.2	0
27	RNAi pathway is functional in peripheral nerve axons. FASEB Journal, 2007, 21, 656-670.	0.2	86
28	Transplantation of GABAergic neurons but not astrocytes induces recovery of sensorimotor function in the traumatically injured brain. Behavioural Brain Research, 2007, 179, 118-125.	1.2	42
29	Mechanisms of neuroprotective effect of estrogens associated with vascular endothelial growth factor expression. Biology Bulletin, 2007, 34, 110-119.	0.1	0
30	Administration of raloxifene reduces sensorimotor and working memory deficits following traumatic brain injury. Behavioural Brain Research, 2006, 170, 233-240.	1.2	43
31	Predifferentiated Embryonic Stem Cells Prevent Chronic Pain Behaviors and Restore Sensory Function Following Spinal Cord Injury in Mice. Molecular Medicine, 2006, 12, 34-46.	1.9	42
32	Directed differentiation of embryonic stem cells into dorsal interneurons. FASEB Journal, 2005, 19, 1-18.	0.2	48
33	Pim-1 kinase enhances NFATc activity and neuroendocrine functions in PC12 cells. Molecular Brain Research, 2005, 138, 116-123.	2.5	11
34	Parallel development of cardiomyocytes and neurons in embryonic stem cell culture. Biochemical and Biophysical Research Communications, 2005, 332, 653-656.	1.0	12
35	Transplantation of Neuronal and Glial Precursors Dramatically Improves Sensorimotor Function but Not Cognitive Function in the Traumatically Injured Brain. Journal of Neurotrauma, 2004, 21, 163-174.	1.7	82
36	Estrogen increases retrograde labeling of motoneurons: evidence of a nongenomic mechanism. American Journal of Physiology - Cell Physiology, 2004, 287, C320-C326.	2.1	23

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37	17 β -Estradiol enhances neuronal differentiation of mouse embryonic stem cells. FEBS Letters, 2004, 569, 165-168.	1.3	46
38	Induction of VEGF and its Flt-1 receptor after sciatic nerve crush injury. NeuroReport, 2004, 15, 2117-2121.	0.6	42
39	Effect of 17 β -estradiol on gene expression in lumbar spinal cord following sciatic nerve crush injury in ovariectomized mice. Brain Research, 2003, 966, 65-75.	1.1	46
40	Raloxifene analog LY117018 enhances the regeneration of sciatic nerve in ovariectomized female mice. Brain Research, 2003, 980, 140-145.	1.1	25
41	Development of the mouse vestibular system in the absence of gravity perception. Developmental Brain Research, 2003, 140, 133-135.	2.1	8
42	Differential expression of endothelin receptors in regenerating spinal motor neurons in mice. Molecular Brain Research, 2003, 116, 163-167.	2.5	5
43	17 β -Estradiol stimulates regeneration of sciatic nerve in female mice. Brain Research, 2002, 943, 283-286.	1.1	77
44	Crosstalk between p38, Hsp25 and Akt in spinal motor neurons after sciatic nerve injury. Molecular Brain Research, 2001, 93, 199-208.	2.5	90
45	Role of heat shock protein Hsp25 in the response of the orofacial nuclei motor system to physiological stress. Molecular Brain Research, 1998, 63, 14-24.	2.5	14
46	Sense and antisense transcripts of the developmentally regulated murine hsp70.2 gene are expressed in distinct and only partially overlapping areas in the adult brain. Molecular Brain Research, 1996, 37, 85-95.	2.5	21
47	Distinct transcripts are recognized by sense and antisense riboprobes for a member of the murine HSP70 gene family, HSP70.2, in various reproductive tissues. Molecular Reproduction and Development, 1996, 43, 17-24.	1.0	17
48	Expression of immediate early gene proteins following axotomy and inhibition of axonal transport in the rat central nervous system. Neuroscience, 1993, 57, 53-66.	1.1	94
49	Potentiated expression of FOS protein in the rat spinal cord following bilateral noxious cutaneous stimulation. Neuroscience, 1992, 48, 525-532.	1.1	78
50	Disturbance of spermatogenesis in rats with chronic emotional stress. Bulletin of Experimental Biology and Medicine, 1990, 110, 1127-1128.	0.3	1
51	Pre-differentiated Embryonic Stem Cells Promote Neuronal Regeneration by Cross-coupling of BDNF and IL-6 Signaling Pathways in the Host Tissue.. Journal of Neurotrauma, 0, , 090330061141047.	1.7	0