Alexander K Murashov

List of Publications by Year
in descending order

51	1,635	257450 24	289244 40
papers	citations	h-index	g-index

52	52	52	2164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drosophila Passive Avoidance Behavior as a New Paradigm to Study Associative Aversive Learning. Journal of Visualized Experiments, 2021, , .	0.3	1
2	Preference and detrimental effects of high fat, sugar, and salt diet in wildâ€caught Drosophila simulans are reversed by flight exercise. FASEB BioAdvances, 2021, 3, 49-64.	2.4	12
3	CofActor: A light- and stress-gated optogenetic clustering tool to study disease-associated cytoskeletal dynamics in living cells. Journal of Biological Chemistry, 2020, 295, 11231-11245.	3.4	7
4	miRNA-431 Prevents Amyloid-Î²-Induced Synapse Loss in Neuronal Cell Culture Model of Alzheimer's Disease by Silencing Kremen1. Frontiers in Cellular Neuroscience, 2018, 12, 87.	3.7	45
5	Using Quantitative Real-Time PCR to Detect MicroRNA Expression Profile During Embryonic Stem Cell Differentiation. Methods in Molecular Biology, 2017, 1622, 255-265.	0.9	5
6	RNAi and MicroRNA-Mediated Gene Regulation in Stem Cells. Methods in Molecular Biology, 2017, 1622, 15-25.	0.9	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. Journal of Glycobiology, 2017, 06, .	0.2	5
8	Paternal longâ€term exercise programs offspring for low energy expenditure and increased risk for obesity in mice. FASEB Journal, 2016, 30, 775-784.	0.5	73
9	Neurogenic potential of spinal cord organotypic culture. Neuroscience Letters, 2015, 594, 60-65.	2.1	4
10	Molecular mechanisms of peripheral nerve regeneration: emerging roles of microRNAs. Frontiers in Physiology, 2013, 4, 55.	2.8	51
11	MicroRNA-431 regulates axon regeneration in mature sensory neurons by targeting the Wnt antagonist Kremen1. Frontiers in Molecular Neuroscience, 2013, 6, 35.	2.9	69
12	Erratum to â€œRho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatinâ€•[NeuroToxicology 31 (2010) 188â€“194]. NeuroToxicology, 2012, 33, 1396.	3.0	0
13	Multi-walled carbon nanotubes inhibit regenerative axon growth of dorsal root ganglia neurons of mice. Neuroscience Letters, 2012, 507, 72-77.	2.1	34
14	Dicer-microRNA pathway is critical for peripheral nerve regeneration and functional recovery in vivo and regenerative axonogenesis in vitro. Experimental Neurology, 2012, 233, 555-565.	4.1	71
15	Embryonic stem cells inhibit expression of erythropoietin in the injured spinal cord. Neuroscience Letters, 2011, 488, 55-59.	2.1	3
16	MicroRNA machinery responds to peripheral nerve lesion in an injury-regulated pattern. Neuroscience, 2011, 190, 386-397.	2.3	58
17	Gastrocnemius Muscle Capillarization Is Increased In SOD1-G93A Mice. Medicine and Science in Sports and Exercise, 2010, 42, 121.	0.4	0
18	A Mouse Model of Pharyngeal Dysphagia in Amyotrophic Lateral Sclerosis. Dysphagia, 2010, 25, 112-126.	1.8	35

#	Article	IF	Citations
19	A THERMODYNAMIC MECHANISM BEHIND AN ACTION POTENTIAL AND BEHIND ANESTHESIA. Biophysical Reviews and Letters, 2010, 05, 35-41.	0.8	6
20	Rho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatin. NeuroToxicology, 2010, 31, 188-194.	3.0	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.	0.9	4
22	A Brief Introduction to RNAi and MicroRNAs in Stem Cells. Methods in Molecular Biology, 2010, 650, 15-25.	0.9	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.	3.4	18
24	Peripheral myelin protein 22 is regulated postâ€transcriptionally by miRNAâ€29a. Glia, 2009, 57, 1265-1279.	4.9	90
25	An Animal Model of Oral Dysphagia in Amyotrophic Lateral Sclerosis. Dysphagia, 2009, 24, 180-195.	1.8	53
26	Inducing and Reversing Anesthesia with Temperature Variation - Experiments on an Excised Frog Sciatic Nerve. Biophysical Journal, 2009, 96, 95a-96a.	0.5	0
27	RNAi pathway is functional in peripheral nerve axons. FASEB Journal, 2007, 21, 656-670.	0.5	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.	2.2	42
29	Mechanisms of neuroprotective effect of estrogens associated with vascular endothelial growth factor expression. Biology Bulletin, 2007, 34, 110-119.	0.5	0
30	Administration of raloxifene reduces sensorimotor and working memory deficits following traumatic brain injury. Behavioural Brain Research, 2006, 170, 233-240.	2.2	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.	4.4	42
32	Directed differentiation of embryonic stem cells into dorsal interneurons. FASEB Journal, 2005, 19, 1-18.	0.5	48
33	Pim-1 kinase enhances NFATc activity and neuroendocrine functions in PC12 cells. Molecular Brain Research, 2005, 138, 116-123.	2.3	11
34	Parallel development of cardiomyocytes and neurons in embryonic stem cell culture. Biochemical and Biophysical Research Communications, 2005, 332, 653-656.	2.1	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.	3.4	82
36	Estrogen increases retrograde labeling of motoneurons: evidence of a nongenomic mechanism. American Journal of Physiology - Cell Physiology, 2004, 287, C320-C326.	4.6	23

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37	17Î²â€Estradiol enhances neuronal differentiation of mouse embryonic stem cells. FEBS Letters, 2004, 569, 165-168.	2.8	46
38	Induction of VEGF and its Flt-1 receptor after sciatic nerve crush injury. NeuroReport, 2004, 15, 2117-2121.	1.2	42
39	Effect of 17Î²-estradiol on gene expression in lumbar spinal cord following sciatic nerve crush injury in ovariectomized mice. Brain Research, 2003, 966, 65-75.	2.2	46
40	Raloxifene analog LY117018 enhances the regeneration of sciatic nerve in ovariectomized female mice. Brain Research, 2003, 980, 140-145.	2.2	25
41	Development of the mouse vestibular system in the absence of gravity perception. Developmental Brain Research, 2003, 140, 133-135.	1.7	8
42	Differential expression of endothelin receptors in regenerating spinal motor neurons in mice. Molecular Brain Research, 2003, 116, 163-167.	2.3	5
43	17Î²-Estradiol stimulates regeneration of sciatic nerve in female mice. Brain Research, 2002, 943, 283-286.	2.2	77
44	Crosstalk between p38, Hsp25 and Akt in spinal motor neurons after sciatic nerve injury. Molecular Brain Research, 2001, 93, 199-208.	2.3	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.	2.3	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.	2.3	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.	2.0	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.	2.3	94
49	Potentiated expression of FOS protein in the rat spinal cord following bilateral noxious cutaneous stimulation. Neuroscience, 1992, 48, 525-532.	2.3	78
50	Disturbance of spermatogenesis in rats with chronic emotional stress. Bulletin of Experimental Biology and Medicine, 1990, 110, 1127-1128.	0.8	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.	3.4	0