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	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
2	Crosstalk between p38, Hsp25 and Akt in spinal motor neurons after sciatic nerve injury. Molecular Brain Research, 2001, 93, 199-208.	2.3	90
3	Peripheral myelin protein 22 is regulated postâ€transcriptionally by miRNAâ€29a. Glia, 2009, 57, 1265-1279.	4.9	90
4	RNAi pathway is functional in peripheral nerve axons. FASEB Journal, 2007, 21, 656-670.	0.5	86
5	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
6	Potentiated expression of FOS protein in the rat spinal cord following bilateral noxious cutaneous stimulation. Neuroscience, 1992, 48, 525-532.	2.3	78
7	17Î²-Estradiol stimulates regeneration of sciatic nerve in female mice. Brain Research, 2002, 943, 283-286.	2.2	77
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	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
10	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
11	MicroRNA machinery responds to peripheral nerve lesion in an injury-regulated pattern. Neuroscience, 2011, 190, 386-397.	2.3	58
12	An Animal Model of Oral Dysphagia in Amyotrophic Lateral Sclerosis. Dysphagia, 2009, 24, 180-195.	1.8	53
13	Molecular mechanisms of peripheral nerve regeneration: emerging roles of microRNAs. Frontiers in Physiology, 2013, 4, 55.	2.8	51
14	Directed differentiation of embryonic stem cells into dorsal interneurons. FASEB Journal, 2005, 19, 1-18.	0.5	48
15	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
16	17Î²â€Estradiol enhances neuronal differentiation of mouse embryonic stem cells. FEBS Letters, 2004, 569, 165-168.	2.8	46
17	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
18	Administration of raloxifene reduces sensorimotor and working memory deficits following traumatic brain injury. Behavioural Brain Research, 2006, 170, 233-240.	2.2	43

#	Article	IF	Citations
19	Induction of VEGF and its Flt-1 receptor after sciatic nerve crush injury. NeuroReport, 2004, 15, 2117-2121.	1.2	42
20	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
21	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
22	A Mouse Model of Pharyngeal Dysphagia in Amyotrophic Lateral Sclerosis. Dysphagia, 2010, 25, 112-126.	1.8	35
23	Multi-walled carbon nanotubes inhibit regenerative axon growth of dorsal root ganglia neurons of mice. Neuroscience Letters, 2012, 507, 72-77.	2.1	34
24	Raloxifene analog LY117018 enhances the regeneration of sciatic nerve in ovariectomized female mice. Brain Research, 2003, 980, 140-145.	2.2	25
25	Estrogen increases retrograde labeling of motoneurons: evidence of a nongenomic mechanism. American Journal of Physiology - Cell Physiology, 2004, 287, C320-C326.	4.6	23
26	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
27	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
28	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
29	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
30	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
31	Parallel development of cardiomyocytes and neurons in embryonic stem cell culture. Biochemical and Biophysical Research Communications, 2005, 332, 653-656.	2.1	12
32	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
33	Pim-1 kinase enhances NFATc activity and neuroendocrine functions in PC12 cells. Molecular Brain Research, 2005, 138, 116-123.	2.3	11
34	RNAi and MicroRNA-Mediated Gene Regulation in Stem Cells. Methods in Molecular Biology, 2017, 1622, 15-25.	0.9	9
35	Development of the mouse vestibular system in the absence of gravity perception. Developmental Brain Research, 2003, 140, 133-135.	1.7	8
36	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

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37	A THERMODYNAMIC MECHANISM BEHIND AN ACTION POTENTIAL AND BEHIND ANESTHESIA. Biophysical Reviews and Letters, 2010, 05, 35-41.	0.8	6
38	A Brief Introduction to RNAi and MicroRNAs in Stem Cells. Methods in Molecular Biology, 2010, 650, 15-25.	0.9	6
39	Differential expression of endothelin receptors in regenerating spinal motor neurons in mice. Molecular Brain Research, 2003, 116, 163-167.	2.3	5
40	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
41	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
42	Neurogenic potential of spinal cord organotypic culture. Neuroscience Letters, 2015, 594, 60-65.	2.1	4
43	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
44	Embryonic stem cells inhibit expression of erythropoietin in the injured spinal cord. Neuroscience Letters, 2011, 488, 55-59.	2.1	3
45	Disturbance of spermatogenesis in rats with chronic emotional stress. Bulletin of Experimental Biology and Medicine, 1990, 110, 1127-1128.	0.8	1
46	Drosophila Passive Avoidance Behavior as a New Paradigm to Study Associative Aversive Learning. Journal of Visualized Experiments, 2021, , .	0.3	1
47	Mechanisms of neuroprotective effect of estrogens associated with vascular endothelial growth factor expression. Biology Bulletin, 2007, 34, 110-119.	0.5	0
48	Inducing and Reversing Anesthesia with Temperature Variation - Experiments on an Excised Frog Sciatic Nerve. Biophysical Journal, 2009, 96, 95a-96a.	0.5	0
49	Gastrocnemius Muscle Capillarization Is Increased In SOD1-G93A Mice. Medicine and Science in Sports and Exercise, 2010, 42, 121.	0.4	0
50	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
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