

# 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  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2164  
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. <i>Neuroscience</i> , 1993, 57, 53-66.	1.1	94
2	Crosstalk between p38, Hsp25 and Akt in spinal motor neurons after sciatic nerve injury. <i>Molecular Brain Research</i> , 2001, 93, 199-208.	2.5	90
3	Peripheral myelin protein 22 is regulated posttranscriptionally by miRNA-29a. <i>Glia</i> , 2009, 57, 1265-1279.	2.5	90
4	RNAi pathway is functional in peripheral nerve axons. <i>FASEB Journal</i> , 2007, 21, 656-670.	0.2	86
5	Transplantation of Neuronal and Glial Precursors Dramatically Improves Sensorimotor Function but Not Cognitive Function in the Traumatically Injured Brain. <i>Journal of Neurotrauma</i> , 2004, 21, 163-174.	1.7	82
6	Potentiated expression of FOS protein in the rat spinal cord following bilateral noxious cutaneous stimulation. <i>Neuroscience</i> , 1992, 48, 525-532.	1.1	78
7	17 $\beta$ -Estradiol stimulates regeneration of sciatic nerve in female mice. <i>Brain Research</i> , 2002, 943, 283-286.	1.1	77
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	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
10	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
11	MicroRNA machinery responds to peripheral nerve lesion in an injury-regulated pattern. <i>Neuroscience</i> , 2011, 190, 386-397.	1.1	58
12	An Animal Model of Oral Dysphagia in Amyotrophic Lateral Sclerosis. <i>Dysphagia</i> , 2009, 24, 180-195.	1.0	53
13	Molecular mechanisms of peripheral nerve regeneration: emerging roles of microRNAs. <i>Frontiers in Physiology</i> , 2013, 4, 55.	1.3	51
14	Directed differentiation of embryonic stem cells into dorsal interneurons. <i>FASEB Journal</i> , 2005, 19, 1-18.	0.2	48
15	Effect of 17 $\beta$ -estradiol on gene expression in lumbar spinal cord following sciatic nerve crush injury in ovariectomized mice. <i>Brain Research</i> , 2003, 966, 65-75.	1.1	46
16	17 $\beta$ -Estradiol enhances neuronal differentiation of mouse embryonic stem cells. <i>FEBS Letters</i> , 2004, 569, 165-168.	1.3	46
17	miRNA-431 Prevents Amyloid- $\beta$ -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
18	Administration of raloxifene reduces sensorimotor and working memory deficits following traumatic brain injury. <i>Behavioural Brain Research</i> , 2006, 170, 233-240.	1.2	43

#	ARTICLE	IF	CITATIONS
19	Induction of VEGF and its Flt-1 receptor after sciatic nerve crush injury. <i>NeuroReport</i> , 2004, 15, 2117-2121.	0.6	42
20	Predifferentiated Embryonic Stem Cells Prevent Chronic Pain Behaviors and Restore Sensory Function Following Spinal Cord Injury in Mice. <i>Molecular Medicine</i> , 2006, 12, 34-46.	1.9	42
21	Transplantation of GABAergic neurons but not astrocytes induces recovery of sensorimotor function in the traumatically injured brain. <i>Behavioural Brain Research</i> , 2007, 179, 118-125.	1.2	42
22	A Mouse Model of Pharyngeal Dysphagia in Amyotrophic Lateral Sclerosis. <i>Dysphagia</i> , 2010, 25, 112-126.	1.0	35
23	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
24	Raloxifene analog LY117018 enhances the regeneration of sciatic nerve in ovariectomized female mice. <i>Brain Research</i> , 2003, 980, 140-145.	1.1	25
25	Estrogen increases retrograde labeling of motoneurons: evidence of a nongenomic mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C320-C326.	2.1	23
26	Rho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatin. <i>NeuroToxicology</i> , 2010, 31, 188-194.	1.4	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. <i>Molecular Brain Research</i> , 1996, 37, 85-95.	2.5	21
28	Pre-Differentiated Embryonic Stem Cells Promote Neuronal Regeneration by Cross-Coupling of BDNF and IL-6 Signaling Pathways in the Host Tissue. <i>Journal of Neurotrauma</i> , 2009, 26, 1029-1042.	1.7	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. <i>Molecular Reproduction and Development</i> , 1996, 43, 17-24.	1.0	17
30	Role of heat shock protein Hsp25 in the response of the orofacial nuclei motor system to physiological stress. <i>Molecular Brain Research</i> , 1998, 63, 14-24.	2.5	14
31	Parallel development of cardiomyocytes and neurons in embryonic stem cell culture. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 653-656.	1.0	12
32	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
33	Pim-1 kinase enhances NFATc activity and neuroendocrine functions in PC12 cells. <i>Molecular Brain Research</i> , 2005, 138, 116-123.	2.5	11
34	RNAi and MicroRNA-Mediated Gene Regulation in Stem Cells. <i>Methods in Molecular Biology</i> , 2017, 1622, 15-25.	0.4	9
35	Development of the mouse vestibular system in the absence of gravity perception. <i>Developmental Brain Research</i> , 2003, 140, 133-135.	2.1	8
36	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

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37	A THERMODYNAMIC MECHANISM BEHIND AN ACTION POTENTIAL AND BEHIND ANESTHESIA. <i>Biophysical Reviews and Letters</i> , 2010, 05, 35-41.	0.9	6
38	A Brief Introduction to RNAi and MicroRNAs in Stem Cells. <i>Methods in Molecular Biology</i> , 2010, 650, 15-25.	0.4	6
39	Differential expression of endothelin receptors in regenerating spinal motor neurons in mice. <i>Molecular Brain Research</i> , 2003, 116, 163-167.	2.5	5
40	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
41	Membrane Distribution and Activity of a Neuronal Voltage-Gated K <sup>+</sup> Channel is Modified by Replacement of Complex Type N-Glycans with Hybrid Type. <i>Journal of Glycobiology</i> , 2017, 06, .	0.2	5
42	Neurogenic potential of spinal cord organotypic culture. <i>Neuroscience Letters</i> , 2015, 594, 60-65.	1.0	4
43	Monitoring MicroRNA Expression During Embryonic Stem-Cell Differentiation Using Quantitative Real-Time PCR (qRT-PCR). <i>Methods in Molecular Biology</i> , 2010, 650, 213-224.	0.4	4
44	Embryonic stem cells inhibit expression of erythropoietin in the injured spinal cord. <i>Neuroscience Letters</i> , 2011, 488, 55-59.	1.0	3
45	Disturbance of spermatogenesis in rats with chronic emotional stress. <i>Bulletin of Experimental Biology and Medicine</i> , 1990, 110, 1127-1128.	0.3	1
46	<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
47	Mechanisms of neuroprotective effect of estrogens associated with vascular endothelial growth factor expression. <i>Biology Bulletin</i> , 2007, 34, 110-119.	0.1	0
48	Inducing and Reversing Anesthesia with Temperature Variation - Experiments on an Excised Frog Sciatic Nerve. <i>Biophysical Journal</i> , 2009, 96, 95a-96a.	0.2	0
49	Gastrocnemius Muscle Capillarization Is Increased In SOD1-G93A Mice. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 121.	0.2	0
50	Erratum to "Rho kinase inhibitor Y-27632 facilitates recovery from experimental peripheral neuropathy induced by anti-cancer drug cisplatin" [ <i>NeuroToxicology</i> 31 (2010) 188-194]. <i>NeuroToxicology</i> , 2012, 33, 1396.	1.4	0
51	Pre-differentiated Embryonic Stem Cells Promote Neuronal Regeneration by Cross-coupling of BDNF and IL-6 Signaling Pathways in the Host Tissue.. <i>Journal of Neurotrauma</i> , 0, , 090330061141047.	1.7	0