

Rustem R Islamov

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

840
citations

471509

17
h-index

501196

28
g-index

52
all docs

52
docs citations

52
times ranked

1028
citing authors

#	ARTICLE	IF	CITATIONS
1	RNAi pathway is functional in peripheral nerve axons. FASEB Journal, 2007, 21, 656-670.	0.5	86
2	17 β -Estradiol stimulates regeneration of sciatic nerve in female mice. Brain Research, 2002, 943, 283-286.	2.2	77
3	Human umbilical cord blood cells transfected with VEGF and L1CAM do not differentiate into neurons but transform into vascular endothelial cells and secrete neuro-trophic factors to support neuro-genesis—a novel approach in stem cell therapy. Neurochemistry International, 2008, 53, 389-394.	3.8	54
4	Potential Role of Dental Stem Cells in the Cellular Therapy of Cerebral Ischemia. Current Pharmaceutical Design, 2009, 15, 3908-3916.	1.9	47
5	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.	2.2	46
6	Induction of VEGF and its Flt-1 receptor after sciatic nerve crush injury. NeuroReport, 2004, 15, 2117-2121.	1.2	42
7	Genetically modified human umbilical cord blood cells expressing vascular endothelial growth factor and fibroblast growth factor 2 differentiate into glial cells after transplantation into amyotrophic lateral sclerosis transgenic mice. Experimental Biology and Medicine, 2011, 236, 91-98.	2.4	42
8	Symptomatic Improvement, Increased Life-Span and Sustained Cell Homing in Amyotrophic Lateral Sclerosis After Transplantation of Human Umbilical Cord Blood Cells Genetically Modified with Adeno-Viral Vectors Expressing a Neuro-Protective Factor and a Neural Cell Adhesion Molecule. Current Gene Therapy, 2015, 15, 266-276.	2.0	40
9	Tandem Delivery of Multiple Therapeutic Genes Using Umbilical Cord Blood Cells Improves Symptomatic Outcomes in ALS. Molecular Neurobiology, 2017, 54, 4756-4763.	4.0	29
10	Characterization of spinal cord glial cells in a model of hindlimb unloading in mice. Neuroscience, 2014, 280, 328-339.	2.3	27
11	Adenoviral vector carrying glial cell-derived neurotrophic factor for direct gene therapy in comparison with human umbilical cord blood cell-mediated therapy of spinal cord injury in rat. Spinal Cord, 2016, 54, 347-359.	1.9	26
12	Raloxifene analog LY117018 enhances the regeneration of sciatic nerve in ovariectomized female mice. Brain Research, 2003, 980, 140-145.	2.2	25
13	Estrogen increases retrograde labeling of motoneurons: evidence of a nongenomic mechanism. American Journal of Physiology - Cell Physiology, 2004, 287, C320-C326.	4.6	23
14	Spinal Cord Molecular and Cellular Changes Induced by Adenoviral Vector- and Cell-Mediated Triple Gene Therapy after Severe Contusion. Frontiers in Pharmacology, 2017, 8, 813.	3.5	23
15	Modulation of Neurotransmitter Release by Carbon Monoxide at the Frog Neuro-Muscular Junction. Current Drug Metabolism, 2007, 8, 177-184.	1.2	21
16	Mechanisms of spinal motoneurons survival in rats under simulated hypogravity on earth. Acta Astronautica, 2011, 68, 1469-1477.	3.2	20
17	Retrogradely transported siRNA silences human mutant SOD1 in spinal cord motor neurons. Experimental Brain Research, 2009, 195, 1-4.	1.5	18
18	Epidural Stimulation Combined with Triple Gene Therapy for Spinal Cord Injury Treatment. International Journal of Molecular Sciences, 2020, 21, 8896.	4.1	17

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19	Postnatal spinal cord injury astrocyte-mediated functional recovery in rats after intraspinal injection of the recombinant adenoviral vectors Ad5-VEGF and Ad5-ANG. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 105-115.	1.7	16
20	Triple-Gene Therapy for Stroke: A Proof-of-Concept in Vivo Study in Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 111.	3.5	14
21	Evaluation of direct and cell-mediated triple-gene therapy in spinal cord injury in rats. <i>Brain Research Bulletin</i> , 2017, 132, 44-52.	3.0	13
22	Preventive Triple Gene Therapy Reduces the Negative Consequences of Ischemia-Induced Brain Injury after Modelling Stroke in a Rat. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6858.	4.1	13
23	Combined Supra- and Sub-Lesional Epidural Electrical Stimulation for Restoration of the Motor Functions after Spinal Cord Injury in Mini Pigs. <i>Brain Sciences</i> , 2020, 10, 744.	2.3	12
24	Gene-modified leucoconcentrate for personalized ex vivo gene therapy in a mini pig model of moderate spinal cord injury. <i>Neural Regeneration Research</i> , 2021, 16, 357.	3.0	12
25	Synaptosome-associated protein 25 (SNAP25) synthesis in terminal buttons of mouse motor neuron. <i>Doklady Biochemistry and Biophysics</i> , 2015, 464, 272-274.	0.9	11
26	Full-genome study of gene expression in lumbar spinal cord of mice after 30-day space flight on Bion-M1 biosatellite. <i>Acta Astronautica</i> , 2016, 122, 231-236.	3.2	10
27	The Role of Spinal Cord Motoneurons in the Mechanisms of Development of Low-Gravity Motor Syndrome. <i>Neuroscience and Behavioral Physiology</i> , 2015, 45, 96-103.	0.4	8
28	New Therapy for Spinal Cord Injury: Autologous Genetically-Enriched Leucoconcentrate Integrated with Epidural Electrical Stimulation. <i>Cells</i> , 2022, 11, 144.	4.1	8
29	Construction of recombinant adenovirus containing picorna-viral 2A-peptide sequence for the co-expression of neuro-protective growth factors in human umbilical cord blood cells. <i>Spinal Cord</i> , 2016, 54, 423-430.	1.9	7
30	Influence of Recombinant Codon-Optimized Plasmid DNA Encoding VEGF and FGF2 on Co-Induction of Angiogenesis. <i>Cells</i> , 2021, 10, 432.	4.1	7
31	Over-expression of Oct4 and Sox2 transcription factors enhances differentiation of human umbilical cord blood cells in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 503-509.	2.1	6
32	Differential expression of endothelin receptors in regenerating spinal motor neurons in mice. <i>Molecular Brain Research</i> , 2003, 116, 163-167.	2.3	5
33	Morphological Study of Myelinated Fibers of the Sciatic Nerve in Mice after Space Flight and Readaptation to the Conditions of Earth Gravity. <i>Doklady Biological Sciences</i> , 2018, 482, 174-177.	0.6	5
34	Evaluation of Direct and Cell-Mediated Lactoferrin Gene Therapy for the Maxillofacial Area Abscesses in Rats. <i>Pharmaceutics</i> , 2021, 13, 58.	4.5	5
35	Analysis of the Efficiency of Gene-Cell Therapy in Transgenic Mice with Amyotrophic Lateral Sclerosis Phenotype. <i>Bulletin of Experimental Biology and Medicine</i> , 2013, 154, 558-561.	0.8	4
36	Immunohistochemical study of rat soleus muscle in various modes of denervation. <i>Bulletin of Experimental Biology and Medicine</i> , 2001, 131, 403-406.	0.8	3

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37	Bioinformatic Analysis of the Sciatic Nerve Transcriptomes of Mice after 30-Day Spaceflight on Board the Bion-M1 Biosatellite. Russian Journal of Genetics, 2019, 55, 388-392.	0.6	3
38	Bone Stress-Strain State Evaluation Using CT Based FEM. Frontiers in Mechanical Engineering, 2021, 7, .	1.8	3
39	Neurotrophic control of myosin synthesis by guinea pig slow muscle. Bulletin of Experimental Biology and Medicine, 1991, 111, 247-249.	0.8	2
40	RNA Interference and Amyotrophic Lateral Sclerosis. Current Drug Metabolism, 2011, 12, 679-683.	1.2	2
41	Genomic analysis of mouse lumbar spinal cord after 30-day space flight on biosatellite Bion-M1. Doklady Biochemistry and Biophysics, 2014, 458, 177-178.	0.9	2
42	Intravenous Transplantation of Human Umbilical Cord Blood Mononuclear Cells Overexpressing Nerve Growth Factor Improves Spatial Memory in APP/PS1 Transgenic Mice with a Model of Alzheimer's Disease. BioNanoScience, 2018, 8, 473-480.	3.5	2
43	Comparative analysis of efficiency of direct and cell-mediated gene therapy of rats with contusion spinal cord injury. Genes and Cells, 2017, 12, 53-59.	0.2	2
44	Effect of ferric chloride on denervated skeletal muscles. Bulletin of Experimental Biology and Medicine, 1986, 102, 1517-1519.	0.8	1
45	Resting membrane potential of diaphragm muscle fibers in rats under conditions of total ischemia. Bulletin of Experimental Biology and Medicine, 1993, 115, 219-220.	0.8	1
46	Immunohistochemical study of rat lumbrical muscles at different times of ischemia after allografting into anterior chamber of the eye. Bulletin of Experimental Biology and Medicine, 1991, 112, 1665-1667.	0.8	0
47	Effect of hypothermia on development of ischemic damage to rat skeletal muscle. Bulletin of Experimental Biology and Medicine, 1992, 113, 133-135.	0.8	0
48	Is transferrin the neurotrophic factor controlling the composition of skeletal muscle myosins?. Bulletin of Experimental Biology and Medicine, 1992, 114, 1037-1040.	0.8	0
49	Effect of Unilateral Damage to Sciatic Nerve on Phenotype of Lumbrical Muscles in Experimental and Contralateral Legs in Rats. Bulletin of Experimental Biology and Medicine, 2005, 139, 626-628.	0.8	0
50	Mechanisms of neuroprotective effect of estrogens associated with vascular endothelial growth factor expression. Biology Bulletin, 2007, 34, 110-119.	0.5	0
51	Transformation of Human Umbilical Cord Blood Cells to Support Neuro-Regeneration in the Diseased Brain. , 2013, , 25-33.		0