Galina Dvoriantchikova

List of Publications by Year
in descending order

40 papers	1,779 citations	304743 22 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	2352 citing authors

#	Article	IF	Citations
1	Transgenic Inhibition of Astroglial NF-ÎºB Improves Functional Outcome in Experimental Autoimmune Encephalomyelitis by Suppressing Chronic Central Nervous System Inflammation. Journal of Immunology, 2009, 182, 2628-2640.	0.8	229
2	Inactivation of astroglial NFâ€ÎºB promotes survival of retinal neurons following ischemic injury. European Journal of Neuroscience, 2009, 30, 175-185.	2.6	135
3	Pannexin1 Stabilizes Synaptic Plasticity and Is Needed for Learning. PLoS ONE, 2012, 7, e51767.	2.5	121
4	Genetic Ablation of Pannexin1 Protects Retinal Neurons from Ischemic Injury. PLoS ONE, 2012, 7, e31991.	2.5	109
5	Expression of pannexin family of proteins in the retina. FEBS Letters, 2006, 580, 2178-2182.	2.8	96
6	Retinal ganglion cell (RGC) programmed necrosis contributes to ischemiaâ€“reperfusion-induced retinal damage. Experimental Eye Research, 2014, 123, 1-7.	2.6	85
7	Transgenic inhibition of astroglial NF-ÎºB protects from optic nerve damage and retinal ganglion cell loss in experimental optic neuritis. Journal of Neuroinflammation, 2012, 9, 213.	7.2	81
8	Inflammasome Activation Induces Pyroptosis in the Retina Exposed to Ocular Hypertension Injury. Frontiers in Molecular Neuroscience, 2019, 12, 36.	2.9	69
9	Microarray analysis of gene expression in adult retinal ganglion cells. FEBS Letters, 2006, 580, 331-335.	2.8	60
10	Toll-like receptor 4 contributes to retinal ischemia/reperfusion injury. Molecular Vision, 2010, 16, 1907-12.	1.1	60
11	Tumor necrosis factorâ€alpha mediates activation of <scp>NF</scp>â€ÎºB and <scp>JNK</scp> signaling cascades in retinal ganglion cells and astrocytes in opposite ways. European Journal of Neuroscience, 2014, 40, 3171-3178.	2.6	59
12	The High-Mobility Group Box-1 Nuclear Factor Mediates Retinal Injury after Ischemia Reperfusion. , 2011, 52, 7187.		56
13	Neuronal NAD(P)H Oxidases Contribute to ROS Production and Mediate RGC Death after Ischemia. , 2012, 53, 2823.		50
14	Liposome-delivered ATP effectively protects the retina against ischemia-reperfusion injury. Molecular Vision, 2010, 16, 2882-90.	1.1	43
15	A Novel Mouse Model of Traumatic Optic Neuropathy Using External Ultrasound Energy to Achieve Focal, Indirect Optic Nerve Injury. Scientific Reports, 2017, 7, 11779.	3.3	42
16	Phosphatidylserine-Containing Liposomes Promote Maximal Survival of Retinal Neurons after Ischemic Injury. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1755-1759.	4.3	40
17	Putative role of protein kinase C in neurotoxic inflammation mediated by extracellular heat shock protein 70 after ischemia-reperfusion. Journal of Neuroinflammation, 2014, 11, 81.	7.2	39
18	Astroglial NFâ€ÎºB mediates oxidative stress by regulation of NADPH oxidase in a model of retinal ischemia reperfusion injury. Journal of Neurochemistry, 2012, 120, 586-597.	3.9	35

#	Article	IF	Citations
19	Mitochondrial DNA Double-Strand Breaks in Oligodendrocytes Cause Demyelination, Axonal Injury, and CNS Inflammation. Journal of Neuroscience, 2017, 37, 10185-10199.	3.6	34
20	Microarray analysis of fiber cell maturation in the lens. FEBS Letters, 2005, 579, 1213-1219.	2.8	29
21	Cellular Mechanisms of High Mobility Group 1 (HMGB-1) Protein Action in the Diabetic Retinopathy. PLoS ONE, 2014, 9, e87574.	2.5	29
22	Differential gene expression profiling of large and small retinal ganglion cells. Journal of Neuroscience Methods, 2008, 174, 10-17.	2.5	28
23	Preliminary quantitative proteomic characterization of glaucomatous rat retinal ganglion cells. Experimental Eye Research, 2010, 91, 107-110.	2.6	25
24	The epigenetic basis for the impaired ability of adult murine retinal pigment epithelium cells to regenerate retinal tissue. Scientific Reports, 2019, 9, 3860.	3.3	24
25	Molecular characterization of pannexins in the lens. Molecular Vision, 2006, 12, 1417-26.	1.1	24
26	Molecular Characterization of Notch1 Positive Progenitor Cells in the Developing Retina. PLoS ONE, 2015, 10, e0131054.	2.5	22
27	Tumor Necrosis Factor Inhibition in the Acute Management of Traumatic Optic Neuropathy. , 2018, 59, 2905.		19
28	The effect of extrinsic Wnt/Î²â€catenin signaling in Muller glia on retinal ganglion cell neurite growth. Developmental Neurobiology, 2020, 80, 98-110.	3.0	19
29	Development and epigenetic plasticity of murine MÃ¼ller glia. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1584-1594.	4.1	18
30	The <scp>TIR</scp>â€domainâ€containing adapter inducing interferonâ€Î²â€dependent signaling cascade plays a crucial role in ischemiaâ€“reperfusionâ€induced retinal injury, whereas the contribution of the myeloid differentiation primary response 88â€dependent signaling cascade is not as pivotal. European Journal of Neuroscience, 2014, 40, 2502-2512.	2.6	16
31	Pannexin 1 sustains the electrophysiological responsiveness of retinal ganglion cells. Scientific Reports, 2018, 8, 5797.	3.3	16
32	Molecular Profiling of the Developing Lacrimal Gland Reveals Putative Role of Notch Signaling in Branching Morphogenesis. , 2017, 58, 1098.		15
33	DNA Methylation Dynamics During the Differentiation of Retinal Progenitor Cells Into Retinal Neurons Reveal a Role for the DNA Demethylation Pathway. Frontiers in Molecular Neuroscience, 2019, 12, 182.	2.9	12
34	Wnt signaling induces neurite outgrowth in mouse retinal ganglion cells. Experimental Eye Research, 2019, 182, 39-43.	2.6	11
35	Virally delivered, constitutively active <scp>NF</scp>ÎºB improves survival of injured retinal ganglion cells. European Journal of Neuroscience, 2016, 44, 2935-2943.	2.6	8
36	The Potential Role of Epigenetic Mechanisms in the Development of Retinitis Pigmentosa and Related Photoreceptor Dystrophies. Frontiers in Genetics, 2022, 13, 827274.	2.3	7

#	Article	IF	Citations
37	Mitochondrial targeted therapy with elamipretide (MTP-131) as an adjunct to tumor necrosis factor inhibition for traumatic optic neuropathy in the acute setting. Experimental Eye Research, 2020, 199, 108178.	2.6	6
38	Mitochondrial lipid profiling data of a traumatic optic neuropathy model. Data in Brief, 2020, 30, 105649.	1.0	3
39	Lipidomics dataset of sonication-induced traumatic optic neuropathy in mice. Data in Brief, 2020, 29, 105147.	1.0	3
40	Derivation and Characterization of Murine and Amphibian MÃ¼ller Glia Cell Lines. Translational Vision Science and Technology, 2022, 11, 4.	2.2	2