Tudor C Badea

List of Publications by Year
in descending order

62 papers	4,545 citations	159585 30 h-index	133252 59 g-index
80 all docs	80 docs citations	80 times ranked	5168 citing authors

#	Article	IF	Citations
1	Regulator of Cell Cycle Protein (RGCC/RGC-32) Protects against Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 146-157.	2.9	6
2	Retinal pigment epithelium-specific CLIC4 mutant is a mouse model of dry age-related macular degeneration. Nature Communications, 2022, 13, 374.	12.8	16
3	RGC-32â€² dual role in smooth muscle cells and atherogenesis. Clinical Immunology, 2022, 238, 109020.	3.2	3
4	Identification of retinal ganglion cell types and brain nuclei expressing the transcription factor Brn3c/Pou4f3 using a Cre recombinase knockâ€in allele. Journal of Comparative Neurology, 2021, 529, 1926-1953.	1.6	9
5	Molecular correlates of muscle spindle and Golgi tendon organ afferents. Nature Communications, 2021, 12, 1451.	12.8	43
6	Atoh7-independent specification of retinal ganglion cell identity. Science Advances, 2021, 7, .	10.3	41
7	Characterization of Tbr2â€expressing retinal ganglion cells. Journal of Comparative Neurology, 2021, 529, 3513-3532.	1.6	10
8	RGC-32 Acts as a Hub to Regulate the Transcriptomic Changes Associated With Astrocyte Development and Reactive Astrocytosis. Frontiers in Immunology, 2021, 12, 705308.	4.8	1
9	Genetic interplay between transcription factor Pou4f1/Brn3a and neurotrophin receptor Ret in retinal ganglion cell type specification. Neural Development, 2021, 16, 5.	2.4	4
10	NRF1 association with AUTS2-Polycomb mediates specific gene activation in the brain. Molecular Cell, 2021, 81, 4663-4676.e8.	9.7	23
11	513â€…Response gene to complement -32 facilitates local recruitment of IL-17- producing cells in immune complex mediated glomerulonephritis through the CCR6/CCL20 axis. , 2021, , .		0
12	Molecular studies into cell biological role of Copine-4 in Retinal Ganglion Cells. PLoS ONE, 2021, 16, e0255860.	2.5	4
13	Cellular sensing platform with enhanced sensitivity based on optogenetic modulation of cell homeostasis. Biosensors and Bioelectronics, 2020, 154, 112003.	10.1	7
14	Modulation of Cellular Reactivity for Enhanced Cell-Based Biosensing. Analytical Chemistry, 2020, 92, 806-814.	6.5	5
15	Retinal ganglion cell defects cause decision shifts in visually evoked defense responses. Journal of Neurophysiology, 2020, 124, 1530-1549.	1.8	4
16	RGC-32 Regulates Generation of Reactive Astrocytes in Experimental Autoimmune Encephalomyelitis. Frontiers in Immunology, 2020, 11, 608294.	4.8	4
17	Essential Roles of Tbr1 in the Formation and Maintenance of the Orientation-Selective J-RGCs and a Group of OFF-Sustained RGCs in Mouse. Cell Reports, 2019, 27, 900-915.e5.	6.4	22
18	Differential expression and subcellular localization of Copines in mouse retina. Journal of Comparative Neurology, 2019, 527, 2245-2262.	1.6	10

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19	Brn3a and Brn3b knockout mice display unvaried retinal fine structure despite major morphological and numerical alterations of ganglion cells. Journal of Comparative Neurology, 2019, 527, 187-211.	1.6	14
20	Identification of Retinal Ganglion Cell Firing Patterns Using Clustering Analysis Supplied with Failure Diagnosis. International Journal of Neural Systems, 2018, 28, 1850008.	5.2	3
21	Characterization of retinal ganglion cell, horizontal cell, and amacrine cell types expressing the neurotrophic receptor tyrosine kinase Ret. Journal of Comparative Neurology, 2018, 526, 742-766.	1.6	14
22	RGC-32 regulates reactive astrocytosis and extracellular matrix deposition in experimental autoimmune encephalomyelitis. Immunologic Research, 2018, 66, 445-461.	2.9	16
23	Postnatal developmental dynamics of cell type specification genes in Brn3a/Pou4f1 Retinal Ganglion Cells. Neural Development, 2018, 13, 15.	2.4	16
24	C-terminal phosphorylation regulates the kinetics of a subset of melanopsin-mediated behaviors in mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2741-2746.	7.1	28
25	Tamoxifen Provides Structural and Functional Rescue in Murine Models of Photoreceptor Degeneration. Journal of Neuroscience, 2017, 37, 3294-3310.	3.6	56
26	Comparison of optomotor and optokinetic reflexes in mice. Journal of Neurophysiology, 2017, 118, 300-316.	1.8	62
27	Molecular codes for cell type specification in Brn3 retinal ganglion cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3974-E3983.	7.1	60
28	RGC-32 Promotes Th17 Cell Differentiation and Enhances Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2017, 198, 3869-3877.	0.8	14
29	Novel Heterotypic Rox Sites for Combinatorial Dre Recombination Strategies. G3: Genes, Genomes, Genetics, 2016, 6, 559-571.	1.8	18
30	Dynamic expression of transcription factor Brn3b during mouse cranial nerve development. Journal of Comparative Neurology, 2016, 524, 1033-1061.	1.6	18
31	Robust spike sorting of retinal ganglion cells tuned to spot stimuli. , 2016, 2016, 1745-1749.		1
32	Requirement for Microglia for the Maintenance of Synaptic Function and Integrity in the Mature Retina. Journal of Neuroscience, 2016, 36, 2827-2842.	3.6	179
33	RGC-32 promotes Th17 cell differentiation and enhances experimental autoimmune encephalomyelitis. Immunobiology, 2016, 221, 1173.	1.9	0
34	A visual circuit uses complementary mechanisms to support transient and sustained pupil constriction. ELife, 2016, 5, .	6.0	83
35	RGC-32 is a novel regulator of the T-lymphocyte cell cycle. Experimental and Molecular Pathology, 2015, 98, 328-337.	2.1	35
36	A system to measure the Optokinetic and Optomotor response in mice. Journal of Neuroscience Methods, 2015, 256, 91-105.	2.5	109

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37	Dre - Cre Sequential Recombination Provides New Tools for Retinal Ganglion Cell Labeling and Manipulation in Mice. PLoS ONE, 2014, 9, e91435.	2.5	31
38	Modality-Based Organization of Ascending Somatosensory Axons in the Direct Dorsal Column Pathway. Journal of Neuroscience, 2013, 33, 17691-17709.	3.6	98
39	Genetic Interactions between Brn3 Transcription Factors in Retinal Ganglion Cell Type Specification. PLoS ONE, 2013, 8, e76347.	2.5	36
40	Combinatorial Expression of Brn3 Transcription Factors in Somatosensory Neurons: Genetic and Morphologic Analysis. Journal of Neuroscience, 2012, 32, 995-1007.	3.6	82
41	Class 5 Transmembrane Semaphorins Control Selective Mammalian Retinal Lamination and Function. Neuron, 2011, 71, 460-473.	8.1	137
42	Transmembrane semaphorin signalling controls laminar stratification in the mammalian retina. Nature, 2011, 470, 259-263.	27.8	190
43	Morphologies of mouse retinal ganglion cells expressing transcription factors Brn3a, Brn3b, and Brn3c: Analysis of wild type and mutant cells using genetically-directed sparse labeling. Vision Research, 2011, 51, 269-279.	1.4	91
44	Development of melanopsin-based irradiance detecting circuitry. Neural Development, 2011, 6, 8.	2.4	77
45	Photoentrainment and pupillary light reflex are mediated by distinct populations of ipRGCs. Nature, 2011, 476, 92-95.	27.8	360
46	Norrin, Frizzled-4, and Lrp5 Signaling in Endothelial Cells Controls a Genetic Program for Retinal Vascularization. Cell, 2010, 141, 191.	28.9	1
47	New Mouse Lines for the Analysis of Neuronal Morphology Using CreER(T)/loxP-Directed Sparse Labeling. PLoS ONE, 2009, 4, e7859.	2.5	83
48	Norrin, Frizzled-4, and Lrp5 Signaling in Endothelial Cells Controls a Genetic Program for Retinal Vascularization. Cell, 2009, 139, 285-298.	28.9	377
49	Distinct Roles of Transcription Factors Brn3a and Brn3b in Controlling the Development, Morphology, and Function of Retinal Ganglion Cells. Neuron, 2009, 61, 852-864.	8.1	233
50	Melanopsin cells are the principal conduits for rodâ€“cone input to non-image-forming vision. Nature, 2008, 453, 102-105.	27.8	734
51	Order from disorder: Self-organization in mammalian hair patterning. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19800-19805.	7.1	85
52	Overexpression of RGC-32 in colon cancer and other tumors. Experimental and Molecular Pathology, 2005, 78, 116-122.	2.1	52
53	Quantitative analysis of neuronal morphologies in the mouse retina visualized by using a genetically directed reporter. Journal of Comparative Neurology, 2004, 480, 331-351.	1.6	223
54	Sublytic terminal complement attack induces c-fos transcriptional activation in myotubes. Journal of Neuroimmunology, 2003, 142, 58-66.	2.3	11

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55	A Noninvasive Genetic/Pharmacologic Strategy for Visualizing Cell Morphology and Clonal Relationships in the Mouse. Journal of Neuroscience, 2003, 23, 2314-2322.	3.6	238
56	RGC-32 Increases p34CDC2 Kinase Activity and Entry of Aortic Smooth Muscle Cells into S-phase. Journal of Biological Chemistry, 2002, 277, 502-508.	3.4	101
57	Sublytic Terminal Complement Attack on Myotubes Decreases the Expression of mRNAs Encoding Muscle-Specific Proteins. Journal of Neurochemistry, 2002, 68, 1581-1589.	3.9	20
58	Calcium imaging of epileptiform events with single-cell resolution. Journal of Neurobiology, 2001, 48, 215-227.	3.6	54
59	Tyrosine phosphorylation and activation of Janus kinase 1 and STAT3 by sublytic C5b-9 complement complex in aortic endothelial cells. Immunopharmacology, 1999, 42, 187-193.	2.0	33
60	Sublytic C5b-9 induces proliferation of human aortic smooth muscle cells. Atherosclerosis, 1999, 142, 47-56.	0.8	109
61	Molecular Cloning and Characterization of RGC-32, a Novel Gene Induced by Complement Activation in Oligodendrocytes. Journal of Biological Chemistry, 1998, 273, 26977-26981.	3.4	85
62	Terminal complement complexes induce cell cycle entry in oligodendrocytes through mitogen activated protein kinase pathway. Immunopharmacology, 1997, 38, 177-187.	2.0	42