

Tatjana C Jakobs

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,492
citations

331538

21
h-index

501076

28
g-index

35
all docs

35
docs citations

35
times ranked

2524
citing authors

#	ARTICLE	IF	CITATIONS
1	Axons of retinal ganglion cells are insulted in the optic nerve early in DBA/2J glaucoma. <i>Journal of Cell Biology</i> , 2007, 179, 1523-1537.	2.3	523
2	Retinal ganglion cell degeneration is topological but not cell type specific in DBA/2J mice. <i>Journal of Cell Biology</i> , 2005, 171, 313-325.	2.3	342
3	The morphology and spatial arrangement of astrocytes in the optic nerve head of the mouse. <i>Journal of Comparative Neurology</i> , 2009, 516, 1-19.	0.9	149
4	Structural Remodeling of Astrocytes in the Injured CNS. <i>Neuroscientist</i> , 2012, 18, 567-588.	2.6	142
5	Structural Remodeling of Fibrous Astrocytes after Axonal Injury. <i>Journal of Neuroscience</i> , 2010, 30, 14008-14019.	1.7	109
6	The Time Course of Gene Expression during Reactive Gliosis in the Optic Nerve. <i>PLoS ONE</i> , 2013, 8, e67094.	1.1	100
7	Morphology of Astrocytes in a Glaucomatous Optic Nerve. , 2013, 54, 909.		98
8	Cloning and Characterization of the Human Selenoprotein P Promoter. <i>Journal of Biological Chemistry</i> , 1997, 272, 29364-29371.	1.6	94
9	Optic nerve astrocyte reactivity protects function in experimental glaucoma and other nerve injuries. <i>Journal of Experimental Medicine</i> , 2017, 214, 1411-1430.	4.2	94
10	Reversible reactivity by optic nerve astrocytes. <i>Glia</i> , 2013, 61, 1218-1235.	2.5	88
11	The Promoter of the Human Type I 5'-Deiodinase Gene - Mapping of the Transcription Start Site and Identification of a DR+4 Thyroid-Hormone-Responsive Element. <i>FEBS Journal</i> , 1997, 247, 288-297.	0.2	77
12	Proinflammatory cytokines inhibit the expression and function of human type I 5'-deiodinase in HepG2 hepatocarcinoma cells. <i>European Journal of Endocrinology</i> , 2002, 146, 559-566.	1.9	62
13	Astrocytes in the Optic Nerve Head of Glaucomatous Mice Display a Characteristic Reactive Phenotype. , 2017, 58, 924.		60
14	Astrocytes in the optic nerve head express putative mechanosensitive channels. <i>Molecular Vision</i> , 2015, 21, 749-66.	1.1	59
15	Organotypic Culture of Physiologically Functional Adult Mammalian Retinas. <i>PLoS ONE</i> , 2007, 2, e221.	1.1	52
16	Different Functional Types of Bipolar Cells Use Different Gap-Junctional Proteins. <i>Journal of Neuroscience</i> , 2005, 25, 6696-6701.	1.7	49
17	The spatial distribution of glutamatergic inputs to dendrites of retinal ganglion cells. <i>Journal of Comparative Neurology</i> , 2008, 510, 221-236.	0.9	48
18	Functional retinoid and thyroid hormone receptors in human thyroid-carcinoma cell lines and tissues. , 1998, 76, 368-376.		42

#	ARTICLE	IF	CITATIONS
19	Synapse Loss and Dendrite Remodeling in a Mouse Model of Glaucoma. <i>PLoS ONE</i> , 2015, 10, e0144341.	1.1	42
20	Expression of mRNA for glutamate receptor subunits distinguishes the major classes of retinal neurons, but is less specific for individual cell types. <i>Molecular Vision</i> , 2007, 13, 933-48.	1.1	42
21	Structure of the Human Type I Iodothyronine 5 α -Deiodinase Gene and Localization to Chromosome 1p32 \rightarrow p33. <i>Genomics</i> , 1997, 42, 361-363.	1.3	38
22	CD15 immunoreactive amacrine cells in the mouse retina. <i>Journal of Comparative Neurology</i> , 2003, 465, 361-371.	0.9	29
23	Mice Homozygous for a Deletion in the Glaucoma Susceptibility Locus INK4 Show Increased Vulnerability of Retinal Ganglion Cells to Elevated Intraocular Pressure. <i>American Journal of Pathology</i> , 2016, 186, 985-1005.	1.9	28
24	Ultrastructural Morphology of the Optic Nerve Head in Aged and Glaucomatous Mice. , 2018, 59, 3984.		28
25	Inward rectifying currents stabilize the membrane potential in dendrites of mouse amacrine cells: patch-clamp recordings and single-cell RT-PCR. <i>Molecular Vision</i> , 2004, 10, 328-40.	1.1	26
26	Regular mosaic of synaptic contacts among three retinal neurons. <i>Journal of Comparative Neurology</i> , 2011, 519, 341-357.	0.9	20
27	Differential Gene Expression in Glaucoma. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a020636-a020636.	2.9	20
28	Isolation of intact astrocytes from the optic nerve head of adult mice. <i>Experimental Eye Research</i> , 2015, 137, 103-110.	1.2	9
29	Organotypic Culture of Adult Rabbit Retina. <i>Journal of Visualized Experiments</i> , 2007, , 190.	0.2	7
30	Lamina cribrosa vessel and collagen beam networks are distinct. <i>Experimental Eye Research</i> , 2022, 215, 108916.	1.2	7
31	Single-Cell Dissociation and Characterization in the Murine Retina and Optic Nerve. <i>Methods in Molecular Biology</i> , 2018, 1695, 311-334.	0.4	5
32	The morphology and spatial arrangement of astrocytes in the optic nerve head of the mouse. <i>Journal of Comparative Neurology</i> , 2009, 516, spc1-spc1.	0.9	1
33	Analysis of Morphology and Structural Remodeling of Astrocytes. <i>Neuromethods</i> , 2014, , 129-143.	0.2	1
34	Ex Vivo Imaging of the Murine Optic Nerve Head. , 2017, 58, 734.		1
35	The morphology and spatial arrangement of astrocytes in the optic nerve head of the mouse. <i>Journal of Comparative Neurology</i> , 2009, 516, spc1.	0.9	0