

# Ulrike GrÃ¼nert

## List of Publications by Year in descending order

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116  
papers

7,672  
citations

50170

46  
h-index

56606

83  
g-index

119  
all docs

119  
docs citations

119  
times ranked

3308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rod bipolar cells in the mammalian retina show protein kinase C-like immunoreactivity. <i>Journal of Comparative Neurology</i> , 1990, 301, 433-442.	0.9	390
2	Retinal ganglion cell density and cortical magnification factor in the primate. <i>Vision Research</i> , 1990, 30, 1897-1911.	0.7	286
3	Cortical magnification factor and the ganglion cell density of the primate retina. <i>Nature</i> , 1989, 341, 643-646.	13.7	271
4	The Cone Pedicle, a Complex Synapse in the Retina. <i>Neuron</i> , 2000, 27, 85-95.	3.8	218
5	Glycinergic synapses in the rod pathway of the rat retina: cone bipolar cells express the alpha 1 subunit of the glycine receptor. <i>Journal of Neuroscience</i> , 1994, 14, 5131-5146.	1.7	196
6	Ultrastructure of the aesthetasc (olfactory) sensilla of the spiny lobster, <i>Panulirus argus</i> . <i>Cell and Tissue Research</i> , 1988, 251, 95-103.	1.5	192
7	Immunocytochemical staining of All-amacrine cells in the rat retina with antibodies against parvalbumin. <i>Journal of Comparative Neurology</i> , 1993, 332, 407-420.	0.9	186
8	A single-cell transcriptome atlas of the adult human retina. <i>EMBO Journal</i> , 2019, 38, e100811.	3.5	185
9	Immunocytochemical analysis of bipolar cells in the macaque monkey retina. <i>Journal of Comparative Neurology</i> , 1994, 348, 607-627.	0.9	183
10	Colocalization of gephyrin and GABAA-receptor subunits in the rat retina. <i>Journal of Comparative Neurology</i> , 1995, 357, 1-14.	0.9	174
11	The rod pathway of the macaque monkey retina: Identification of All-amacrine cells with antibodies against calretinin. <i>Journal of Comparative Neurology</i> , 1995, 361, 537-551.	0.9	174
12	Immunocytochemical characterization and spatial distribution of midget bipolar cells in the macaque monkey retina. <i>Vision Research</i> , 1994, 34, 561-579.	0.7	170
13	The rod bipolar cell of the mammalian retina. <i>Visual Neuroscience</i> , 1991, 7, 99-112.	0.5	165
14	Spatial density and immunoreactivity of bipolar cells in the macaque monkey retina. <i>Journal of Comparative Neurology</i> , 1992, 323, 269-287.	0.9	163
15	Rod bipolar cells in the macaque monkey retina: immunoreactivity and connectivity. <i>Journal of Neuroscience</i> , 1991, 11, 2742-2758.	1.7	145
16	GABA-like immunoreactivity in the macaque monkey retina: A light and electron microscopic study. <i>Journal of Comparative Neurology</i> , 1990, 297, 509-524.	0.9	133
17	Topography of ganglion cells and photoreceptors in the retina of a New World monkey: The marmoset <i>Callithrix jacchus</i> . <i>Visual Neuroscience</i> , 1996, 13, 335-352.	0.5	132
18	GABAAR receptor subunits have differential distributions in the rat retinae: In situ hybridization and immunohistochemistry. <i>Journal of Comparative Neurology</i> , 1995, 353, 553-571.	0.9	131

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19	Selective clustering of GABA(A) and glycine receptors in the mammalian retina. <i>Journal of Neuroscience</i> , 1996, 16, 2127-2140.	1.7	128
20	Retinal connectivity and primate vision. <i>Progress in Retinal and Eye Research</i> , 2010, 29, 622-639.	7.3	126
21	Campaniform sensilla of <i>Calliphora vicina</i> (Insecta, Diptera). <i>Zoomorphology</i> , 1987, 106, 312-319.	0.4	121
22	Immunocytochemical localization of glycine receptors in the mammalian retina. <i>Journal of Comparative Neurology</i> , 1993, 335, 523-537.	0.9	121
23	Characterization and synaptic connectivity of melanopsin-containing ganglion cells in the primate retina. <i>European Journal of Neuroscience</i> , 2007, 26, 2906-2921.	1.2	111
24	The Synaptic Architecture of AMPA Receptors at the Cone Pedicle of the Primate Retina. <i>Journal of Neuroscience</i> , 2001, 21, 2488-2500.	1.7	109
25	Parasol (P±) ganglion-cells of the primate fovea: Immunocytochemical staining with antibodies against GABAA-receptors. <i>Vision Research</i> , 1993, 33, 1-14.	0.7	101
26	Cell types and cell circuits in human and non-human primate retina. <i>Progress in Retinal and Eye Research</i> , 2020, 78, 100844.	7.3	101
27	Morphological analysis of the blue cone pathway in the retina of a New World monkey, the marmoset <i>Callithrix jacchus</i> . <i>Journal of Comparative Neurology</i> , 1997, 379, 211-225.	0.9	98
28	Bipolar cell diversity in the primate retina: Morphologic and immunocytochemical analysis of a new world monkey, the marmoset <i>Callithrix jacchus</i> . <i>Journal of Comparative Neurology</i> , 2001, 437, 219-239.	0.9	95
29	The Synaptic Complex of Cones in the Fovea and in the Periphery of the Macaque Monkey Retina. <i>Vision Research</i> , 1996, 36, 3383-3395.	0.7	91
30	Analysis of the short wavelength-sensitive (?blue?) cone mosaic in the primate retina: Comparison of New World and Old World monkeys. , 1999, 406, 1-14.		90
31	The mosaic of horizontal cells in the macaque monkey retina: With a comment on biplexiform ganglion cells. <i>Visual Neuroscience</i> , 2000, 17, 591-608.	0.5	87
32	Localization of kainate receptors at the cone pedicles of the primate retina. <i>Journal of Comparative Neurology</i> , 2001, 436, 471-486.	0.9	86
33	Synaptic distribution of ionotropic glutamate receptors in the inner plexiform layer of the primate retina. <i>Journal of Comparative Neurology</i> , 2002, 447, 138-151.	0.9	86
34	Differential expression of glycine receptor subunits in the retina of the rat: A study using immunohistochemistry and <i>in situ</i> hybridization. <i>Visual Neuroscience</i> , 1994, 11, 721-729.	0.5	81
35	Retinal ganglion cell inputs to the koniocellular pathway. <i>Journal of Comparative Neurology</i> , 2008, 510, 251-268.	0.9	80
36	Localization of GABAA receptors in the rabbit retina. <i>Cell and Tissue Research</i> , 1994, 276, 295-307.	1.5	79

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37	Horizontal cell connections with short-wavelength-sensitive cones in macaque monkey retina. <i>Visual Neuroscience</i> , 1996, 13, 833-845.	0.5	75
38	Glycine receptors in the rod pathway of the macaque monkey retina. <i>Visual Neuroscience</i> , 1996, 13, 101-115.	0.5	70
39	Synaptic input to small bistratified (blue-ON) ganglion cells in the retina of a New World monkey, the marmoset <i>Callithrix jacchus</i> . , 1999, 413, 417-428.		69
40	Melanopsin-expressing ganglion cells in human retina: Morphology, distribution, and synaptic connections. <i>Journal of Comparative Neurology</i> , 2019, 527, 312-327.	0.9	68
41	Distribution of photoreceptor types in the retina of a marsupial, the tammar wallaby ( <i>Macropus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	66
42	GABA <sub>A</sub> receptors in the retina of the cat: An immunohistochemical study of whole mounts, sections, and dissociated cells. <i>Visual Neuroscience</i> , 1991, 6, 229-238.	0.5	64
43	Synaptic connectivity in the midget-parvocellular pathway of primate central retina. <i>Journal of Comparative Neurology</i> , 2006, 494, 260-274.	0.9	64
44	Bipolar input to melanopsin containing ganglion cells in primate retina. <i>Visual Neuroscience</i> , 2011, 28, 39-50.	0.5	64
45	Kainate Receptors Mediate Synaptic Input to Transient and Sustained OFF Visual Pathways in Primate Retina. <i>Journal of Neuroscience</i> , 2014, 34, 7611-7621.	1.7	60
46	Analysis of two types of cone bipolar cells in the retina of a New World monkey, the marmoset, <i>Callithrix jacchus</i> . <i>Visual Neuroscience</i> , 1999, 16, 707-719.	0.5	57
47	Survey of retinal ganglion cell morphology in marmoset. <i>Journal of Comparative Neurology</i> , 2019, 527, 236-258.	0.9	57
48	S-cones do not contribute to the OFF-midget pathway in the retina of the marmoset, <i>Callithrix jacchus</i> . <i>European Journal of Neuroscience</i> , 2005, 22, 437-447.	1.2	53
49	Random Wiring in the Midget Pathway of Primate Retina. <i>Journal of Neuroscience</i> , 2006, 26, 3908-3917.	1.7	50
50	Distribution of GABA and glycine receptors on bipolar and ganglion cells in the mammalian retina. <i>Microscopy Research and Technique</i> , 2000, 50, 130-140.	1.2	49
51	Disruption of De Novo Serine Synthesis in Müller Cells Induced Mitochondrial Dysfunction and Aggravated Oxidative Damage. <i>Molecular Neurobiology</i> , 2018, 55, 7025-7037.	1.9	49
52	Campaniform sensilla of <i>Calliphora vicina</i> (Insecta, Diptera). <i>Zoomorphology</i> , 1987, 106, 320-328.	0.4	46
53	Localization of glycine receptor alpha subunits on bipolar and amacrine cells in primate retina. <i>Journal of Comparative Neurology</i> , 2005, 488, 113-128.	0.9	43
54	Three-dimensional structure of bidirectional, excitatory chemical synapses in the jellyfish <i>Cyanea capillata</i> . <i>Synapse</i> , 1988, 2, 606-613.	0.6	41

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55	Horizontal cell connections with short wavelength-sensitive cones in the retina: A comparison between New World and Old World primates. <i>Journal of Comparative Neurology</i> , 1998, 393, 196-209.	0.9	41
56	Connections of diffuse bipolar cells in primate retina are biased against S-cones. <i>Journal of Comparative Neurology</i> , 2007, 502, 126-140.	0.9	41
57	Identification of A $\alpha$ -; amacrine, displaced amacrine, and bistratified ganglion cell types in human retina with antibodies against calretinin. <i>Journal of Comparative Neurology</i> , 2016, 524, 39-53.	0.9	40
58	Anatomical Evidence for Rod Input to the Parvocellular Pathway in the Visual System of the Primate. <i>European Journal of Neuroscience</i> , 1997, 9, 617-621.	1.2	38
59	Spatial order in short-wavelength-sensitive cone photoreceptors: a comparative study of the primate retina. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 557.	0.8	38
60	Relationship of the Optical Coherence Tomography Signal to Underlying Retinal Histology in the Tree Shrew ( <i>Tupaia belangeri</i> ). , 2009, 50, 414.		38
61	Analysis of Parvocellular and Magnocellular Visual Pathways in Human Retina. <i>Journal of Neuroscience</i> , 2020, 40, 8132-8148.	1.7	38
62	Topography of Neurons in the Rod Pathway of Human Retina. , 2019, 60, 2848.		36
63	Distribution of glycine receptor subunits on primate retinal ganglion cells: a quantitative analysis. <i>European Journal of Neuroscience</i> , 2000, 12, 4155-70.	1.2	36
64	K <sup>+</sup> and Ca <sup>++</sup> in the receptor lymph of arthropod cuticular mechanoreceptors. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1987, 161, 329-333.	0.7	35
65	Glutamate receptors at bipolar synapses in the inner plexiform layer of primate retina: Light microscopic analysis. <i>Journal of Comparative Neurology</i> , 2003, 466, 136-147.	0.9	35
66	OFF midget bipolar cells in the retina of the marmoset, <i>Callithrix jacchus</i> , express AMPA receptors. <i>Journal of Comparative Neurology</i> , 2007, 502, 442-454.	0.9	35
67	Synaptic inputs onto small bistratified (blue $\alpha$ /yellow $\alpha$ ) ganglion cells in marmoset retina. <i>Journal of Comparative Neurology</i> , 2009, 517, 655-669.	0.9	35
68	Unravelling the subcortical and retinal circuitry of the primate inferior pulvinar. <i>Journal of Comparative Neurology</i> , 2019, 527, 558-576.	0.9	35
69	The cGMP-gated channel of rod outer segments is not localized in bipolar cells of the mammalian retina. <i>Neuroscience Letters</i> , 1992, 134, 199-202.	1.0	34
70	Retinal thinning in tree shrews with induced high myopia: Optical coherence tomography and histological assessment. <i>Vision Research</i> , 2011, 51, 376-385.	0.7	34
71	Identification of a Pathway from the Retina to Koniocellular Layer K1 in the Lateral Geniculate Nucleus of Marmoset. <i>Journal of Neuroscience</i> , 2014, 34, 3821-3825.	1.7	33
72	Expression and distribution of ionotropic glutamate receptor subunits on parasol ganglion cells in the primate retina. <i>Visual Neuroscience</i> , 2002, 19, 453-465.	0.5	31

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73	Immunohistochemical localization of GABAA receptors in the scotopic pathway of the cat retina. <i>Cell and Tissue Research</i> , 1993, 274, 267-277.	1.5	30
74	Organisation of koniocellular-projecting ganglion cells and diffuse bipolar cells in the primate fovea. <i>European Journal of Neuroscience</i> , 2013, 37, 1072-1089.	1.2	29
75	Immunocytochemical identification and analysis of the diffuse bipolar cell type DB6 in macaque monkey retina. <i>European Journal of Neuroscience</i> , 2001, 13, 829-832.	1.2	28
76	Mosaic properties of midget and parasol ganglion cells in the marmoset retina. <i>Visual Neuroscience</i> , 2005, 22, 395-404.	0.5	28
77	Characterization of secretagogin-immunoreactive amacrine cells in marmoset retina. <i>Journal of Comparative Neurology</i> , 2014, 522, 435-455.	0.9	28
78	The midget-parvocellular pathway of marmoset retina: A quantitative light microscopic study. <i>Journal of Comparative Neurology</i> , 2008, 510, 539-549.	0.9	27
79	Processing of S-cone signals in the inner plexiform layer of the mammalian retina. <i>Visual Neuroscience</i> , 2014, 31, 153-163.	0.5	27
80	Analysis of bipolar and amacrine populations in marmoset retina. <i>Journal of Comparative Neurology</i> , 2015, 523, 313-334.	0.9	27
81	All amacrine cells in the primate fovea contribute to photopic vision. <i>Scientific Reports</i> , 2018, 8, 16429.	1.6	27
82	Distribution of the $\gamma 1$ subunit of the GABAA receptor on midget and parasol ganglion cells in the retina of the common marmoset <i>Callithrix jacchus</i> . <i>Visual Neuroscience</i> , 2000, 17, 437-448.	0.5	26
83	Cholinergic amacrine cells of the rat retina express the $\gamma$ -subunit of the GABAA-receptor. <i>Neuroscience Letters</i> , 1993, 163, 71-73.	1.0	25
84	Synaptic inputs to two types of koniocellular pathway ganglion cells in marmoset retina. <i>Journal of Comparative Neurology</i> , 2011, 519, 2135-2153.	0.9	25
85	Midget and parasol ganglion cells of the primate retina express the $\gamma 1$ subunit of the glycine receptor. <i>Visual Neuroscience</i> , 1999, 16, 957-966.	0.5	24
86	Synaptic connectivity of the diffuse bipolar cell type DB6 in the inner plexiform layer of primate retina. <i>Journal of Comparative Neurology</i> , 2004, 469, 494-506.	0.9	24
87	Morphological analysis of the blue cone pathway in the retina of a New World monkey, the marmoset <i>Callithrix jacchus</i> . <i>Journal of Comparative Neurology</i> , 1997, 379, 211-25.	0.9	24
88	S-cone connections of the diffuse bipolar cell type DB6 in macaque monkey retina. <i>Journal of Comparative Neurology</i> , 2004, 474, 353-363.	0.9	23
89	Melanopsin and calbindin immunoreactivity in the inner retina of humans and marmosets. <i>Visual Neuroscience</i> , 2019, 36, E009.	0.5	20
90	Distribution of bipolar input to midget and parasol ganglion cells in marmoset retina. <i>Visual Neuroscience</i> , 2008, 25, 67-76.	0.5	17

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91	Amacrine and bipolar inputs to midget and parasol ganglion cells in marmoset retina. <i>Visual Neuroscience</i> , 2012, 29, 157-168.	0.5	17
92	Morphology, Molecular Characterization, and Connections of Ganglion Cells in Primate Retina. <i>Annual Review of Vision Science</i> , 2021, 7, 73-103.	2.3	17
93	Composition of the Inner Nuclear Layer in Human Retina. , 2021, 62, 22.		16
94	Glycine receptors in the retinas of normal and spastic mutant mice. <i>Investigative Ophthalmology and Visual Science</i> , 1994, 35, 3633-9.	3.3	16
95	Projections of three subcortical visual centers to marmoset lateral geniculate nucleus. <i>Journal of Comparative Neurology</i> , 2019, 527, 535-545.	0.9	14
96	Retinal ganglion cells projecting to superior colliculus and pulvinar in marmoset. <i>Brain Structure and Function</i> , 2021, 226, 2745-2762.	1.2	14
97	Horizontal cell connections with short wavelength-sensitive cones in the retina: a comparison between New World and Old World primates. <i>Journal of Comparative Neurology</i> , 1998, 393, 196-209.	0.9	13
98	Comparative Anatomy and Physiology of the Primate Retina. , 2006, , 127-160.		12
99	Connectivity between the OFF bipolar type DB3a and six types of ganglion cell in the marmoset retina. <i>Journal of Comparative Neurology</i> , 2016, 524, 1839-1858.	0.9	12
100	Relation of koniocellular layers of dorsal lateral geniculate to inferior pulvinar nuclei in common marmosets. <i>European Journal of Neuroscience</i> , 2019, 50, 4004-4017.	1.2	11
101	Thorny ganglion cells in marmoset retina: Morphological and neurochemical characterization with antibodies against calretinin. <i>Journal of Comparative Neurology</i> , 2017, 525, 3962-3974.	0.9	10
102	Macromolecules in the receptor lymph of campaniform sensilla. <i>Histochemistry</i> , 1987, 86, 617-620.	1.9	9
103	Distribution of glycine receptor subunits on primate retinal ganglion cells: a quantitative analysis. <i>European Journal of Neuroscience</i> , 2000, 12, 4155-4170.	1.2	9
104	DISTRIBUTION OF GABAA AND GLYCINE RECEPTORS IN THE MAMMALIAN RETINA. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1999, 26, 941-944.	0.9	8
105	Identification of retinal ganglion cell types expressing the transcription factor Satb2 in three primate species. <i>Journal of Comparative Neurology</i> , 2021, 529, 2727-2749.	0.9	8
106	Satb1 expression in retinal ganglion cells of marmosets, macaques, and humans. <i>Journal of Comparative Neurology</i> , 2022, 530, 923-940.	0.9	7
107	Particle-Mediated Gene Transfection and Organotypic Culture of Postmortem Human Retina. <i>Translational Vision Science and Technology</i> , 2019, 8, 7.	1.1	6
108	The Cone Pedicle, the First Synapse in the Retina. , 2003, , 19-38.		6

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109	Distribution of glycine receptor subunits on primate retinal ganglion cells: a quantitative analysis. <i>European Journal of Neuroscience</i> , 2000, 12, 4155-4170.	1.2	6
110	Analysis of the lateral geniculate nucleus in dichromatic and trichromatic marmosets. <i>Journal of Comparative Neurology</i> , 2015, 523, 1948-1966.	0.9	5
111	Color signals in retina and lateral geniculate nucleus of marmoset monkeys.. <i>Psychology and Neuroscience</i> , 2013, 6, 151-163.	0.5	5
112	Retinal pathways for colour vision: Studies of short-wavelength sensitive (?blue?) cones and their connections in primate retina. <i>Color Research and Application</i> , 2001, 26, S112-S117.	0.8	2
113	Morphological analysis of the blue cone pathway in the retina of a New World monkey, the marmoset <i>Callithrix jacchus</i> . <i>Journal of Comparative Neurology</i> , 1997, 379, 211-225.	0.9	2
114	Retinal ganglion cells expressing CaM kinase II in human and nonhuman primates. <i>Journal of Comparative Neurology</i> , 2022, 530, 1470-1493.	0.9	2
115	Cover Image, Volume 527, Issue 3. <i>Journal of Comparative Neurology</i> , 2019, 527, C1.	0.9	0
116	On the Input to the Visual Cortex. , 1994, , 93-113.		0