

Helga Kolb

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10811401/publications.pdf>

Version: 2024-02-01

66
papers

5,608
citations

101496

36
h-index

128225

60
g-index

66
all docs

66
docs citations

66
times ranked

1895
citing authors

#	ARTICLE	IF	CITATIONS
1	Amacrine cells, bipolar cells and ganglion cells of the cat retina: A Golgi study. <i>Vision Research</i> , 1981, 21, 1081-1114.	0.7	492
2	A bistratified amacrine cell and synaptic circuitry in the inner plexiform layer of the retina. <i>Brain Research</i> , 1975, 84, 293-300.	1.1	438
3	The inner plexiform layer in the retina of the cat: electron microscopic observations. <i>Journal of Neurocytology</i> , 1979, 8, 295-329.	1.6	352
4	Neurons of the human retina: A Golgi study. <i>Journal of Comparative Neurology</i> , 1992, 318, 147-187.	0.9	304
5	The mammalian photoreceptor mosaic-adaptive design. <i>Progress in Retinal and Eye Research</i> , 2000, 19, 711-777.	7.3	293
6	The organization of the outer plexiform layer in the retina of the cat: electron microscopic observations. <i>Journal of Neurocytology</i> , 1977, 6, 131-153.	1.6	229
7	Identification of a subtype of cone photoreceptor, likely to be blue sensitive, in the human retina. <i>Journal of Comparative Neurology</i> , 1987, 255, 18-34.	0.9	210
8	Synaptic patterns and response properties of bipolar and ganglion cells in the cat retina. <i>Vision Research</i> , 1983, 23, 1183-1195.	0.7	206
9	Midget ganglion cells of the parafovea of the human retina: A Study by electron microscopy and serial section reconstructions. <i>Journal of Comparative Neurology</i> , 1991, 303, 617-636.	0.9	194
10	Localization of GABA, glycine, glutamate and tyrosine hydroxylase in the human retina. <i>Journal of Comparative Neurology</i> , 1992, 315, 287-302.	0.9	164
11	Rod pathways in the retina of the cat. <i>Vision Research</i> , 1983, 23, 301-312.	0.7	156
12	The connections between horizontal cells and photoreceptors in the retina of the cat: Electron microscopy of Golgi preparations. <i>Journal of Comparative Neurology</i> , 1974, 155, 1-14.	0.9	154
13	Synaptic connections of the interplexiform cell in the retina of the cat. <i>Journal of Neurocytology</i> , 1977, 6, 155-170.	1.6	121
14	Dopamine-containing amacrine cells of rhesus monkey retina parallel rods in spatial distribution. <i>Brain Research</i> , 1984, 322, 1-7.	1.1	120
15	Off-alpha and OFF-beta ganglion cells in cat retina: II. Neural circuitry as revealed by electron microscopy of HRP stains. <i>Journal of Comparative Neurology</i> , 1993, 329, 85-110.	0.9	110
16	Horizontal cells and cone photoreceptors in human retina: A Golgi-electron microscopic study of spectral connectivity. <i>Journal of Comparative Neurology</i> , 1994, 343, 406-427.	0.9	102
17	Amacrine cells of the mammalian retina: Neurocircuitry and functional roles. <i>Eye</i> , 1997, 11, 904-923.	1.1	100
18	The organization of the turtle inner retina. I. ON- and OFF-center pathways. <i>Journal of Comparative Neurology</i> , 1995, 358, 1-34.	0.9	99

#	ARTICLE	IF	CITATIONS
19	Identification of pedicles of putative blue-sensitive cones in the human retina. <i>Journal of Comparative Neurology</i> , 1990, 293, 39-53.	0.9	93
20	Are there three types of horizontal cell in the human retina?. <i>Journal of Comparative Neurology</i> , 1994, 343, 370-386.	0.9	91
21	The midget pathways of the primate retina. <i>Documenta Ophthalmologica</i> , 2003, 106, 67-81.	1.0	89
22	Chapter 2 Neural architecture of the cat retina. <i>Progress in Retinal and Eye Research</i> , 1984, 3, 21-60.	0.8	80
23	Light and electron microscopy of the photoreceptors in the retina of the red-eared slider, <i>Pseudemys scripta elegans</i> . <i>Journal of Comparative Neurology</i> , 1982, 209, 331-338.	0.9	74
24	Synaptic organization of the outer plexiform layer of the turtle retina: an electron microscope study of serial sections. <i>Journal of Neurocytology</i> , 1984, 13, 567-591.	1.6	73
25	Postembedding immunocytochemistry for GABA and glycine reveals the synaptic relationships of the dopaminergic amacrine cell of the cat retina. <i>Journal of Comparative Neurology</i> , 1991, 310, 267-284.	0.9	71
26	The organization of the turtle inner retina. II. Analysis of color-coded and directionally selective cells. <i>Journal of Comparative Neurology</i> , 1995, 358, 35-62.	0.9	68
27	Amacrine cells of the cat retina. <i>Vision Research</i> , 1981, 21, 1625-1633.	0.7	66
28	Horizontal cells and cone photoreceptors in primate retina: A Golgi-light microscopic study of spectral connectivity. <i>Journal of Comparative Neurology</i> , 1994, 343, 387-405.	0.9	66
29	A new look at calretinin-immunoreactive amacrine cell types in the monkey retina. <i>Journal of Comparative Neurology</i> , 2002, 453, 168-184.	0.9	64
30	The distribution of photoreceptors, dopaminergic amacrine cells and ganglion cells in the retina of the north american opossum (<i>Didelphis virginiana</i>). <i>Vision Research</i> , 1985, 25, 1207-1221.	0.7	62
31	Uniqueness of the S-cone pedicle in the human retina and consequences for color processing. , 1997, 386, 443-460.		58
32	Anatomical pathways for color vision in the human retina. <i>Visual Neuroscience</i> , 1991, 7, 61-74.	0.5	56
33	Differential staining of neurons in the human retina with antibodies to protein kinase C isozymes. <i>Visual Neuroscience</i> , 1993, 10, 341-351.	0.5	53
34	The neurons of the ground squirrel retina as revealed by immunostains for calcium binding proteins and neurotransmitters. <i>Journal of Neurocytology</i> , 2002, 31, 649-666.	1.6	51
35	ON-OFF amacrine cells in cat retina. <i>Journal of Comparative Neurology</i> , 1996, 364, 556-566.	0.9	50
36	Neural organization of the retina of the turtle <i>Mauremys caspica</i> : a light microscope and Golgi study. <i>Visual Neuroscience</i> , 1988, 1, 47-72.	0.5	48

#	ARTICLE	IF	CITATIONS
37	The distinction by light and electron microscopy of two types of cone containing colorless oil droplets in the retina of the turtle. <i>Vision Research</i> , 1987, 27, 1445-1458.	0.7	46
38	Development of morphological types and distribution patterns of amacrine cells immunoreactive to tyrosine hydroxylase in the cat retina. <i>Visual Neuroscience</i> , 1990, 4, 159-175.	0.5	37
39	Functional architecture of the turtle retina. <i>Progress in Retinal and Eye Research</i> , 1996, 15, 393-433.	7.3	35
40	Substance P-immunoreactive neurons in the human retina. <i>Journal of Comparative Neurology</i> , 1995, 356, 491-504.	0.9	33
41	Circuitry and role of substance P-immunoreactive neurons in the primate retina. <i>Journal of Comparative Neurology</i> , 1998, 393, 439-456.	0.9	30
42	Morphological and neurochemical diversity of neuronal nitric oxide synthase-positive amacrine cells in the turtle retina. <i>Cell and Tissue Research</i> , 2000, 302, 11-19.	1.5	28
43	Organization of the inner plexiform layer of the turtle retina: An electron microscopic study. <i>Journal of Comparative Neurology</i> , 1988, 272, 280-292.	0.9	27
44	Hyperpolarizing, small-field, amacrine cells in cone pathways of cat retina. , 1996, 371, 415-436.		27
45	Morphology and distribution of neurons immunoreactive for substance P in the turtle retina. <i>Journal of Comparative Neurology</i> , 1989, 290, 391-411.	0.9	26
46	The organization of photoreceptor to bipolar synapses in the outer plexiform layer. , 1995, , 273-296.		25
47	Orientation of horizontal cell axon terminals in the streak of the turtle retina. <i>Nature</i> , 1979, 280, 60-62.	13.7	24
48	OFF-alpha and OFF-beta ganglion cells in cat retina. I: Intracellular electrophysiology and HRP stains. <i>Journal of Comparative Neurology</i> , 1993, 329, 68-84.	0.9	24
49	Complexity and scaling properties of amacrine, ganglion, horizontal, and bipolar cells in the turtle retina. <i>Journal of Comparative Neurology</i> , 1994, 347, 397-408.	0.9	23
50	Identification of the synaptic pedicles belonging to the different spectral types of photoreceptor in the turtle retina. <i>Vision Research</i> , 1994, 34, 2801-2811.	0.7	23
51	Immunostaining with antibodies against protein kinase C isoforms in the fovea of the monkey retina. <i>Microscopy Research and Technique</i> , 1997, 36, 57-75.	1.2	21
52	Synaptic inputs to physiologically defined turtle retinal ganglion cells. <i>Visual Neuroscience</i> , 1991, 7, 409-429.	0.5	18
53	Cone synapses with Golgi-stained bipolar cells that are morphologically similar to a center-hyperpolarizing and a center-depolarizing bipolar cell type in the turtle retina. <i>Journal of Comparative Neurology</i> , 1986, 250, 510-520.	0.9	17
54	Chapter 2 Comparative anatomy of major retinal pathways in the eyes of nocturnal and diurnal mammals. <i>Progress in Brain Research</i> , 2001, 131, 27-52.	0.9	15

#	ARTICLE	IF	CITATIONS
55	Amacrine Cells in Scotopic Vision. <i>Ophthalmic Research</i> , 1984, 16, 21-26.	1.0	12
56	Ganglion cell types of the turtle retina that project to the optic tectum: Intracellular HRP injections of retrogradely, rhodamine-marked cell bodies. <i>Visual Neuroscience</i> , 1992, 8, 295-313.	0.5	12
57	Signal integration at the pedicle of turtle cone photoreceptors: An anatomical and electrophysiological study. <i>Visual Neuroscience</i> , 1989, 2, 553-564.	0.5	10
58	Ultrastructural and immunocytochemical analysis of the circuitry of two putative directionally selective ganglion cells in turtle retina. <i>Journal of Comparative Neurology</i> , 1994, 347, 321-339.	0.9	10
59	Ultrastructural and functional connectivity of intracellularly stained neurones in the vertebrate retina: Correlative analyses. <i>Microscopy Research and Technique</i> , 1993, 24, 43-66.	1.2	8
60	Chapter 16 Pre- and postsynaptic mechanisms of spontaneous, excitatory postsynaptic currents in the salamander retina. <i>Progress in Brain Research</i> , 2001, 131, 241-253.	0.9	8
61	A "puff and advance"™ technique for visually controlled staining of turtle retinal ganglion cells. <i>Journal of Neuroscience Methods</i> , 1990, 32, 235-243.	1.3	5
62	Short-wavelength-sensitive cones: Morphology and color-specific connections. <i>Documenta Ophthalmologica Proceedings Series</i> , 1995, , 285-297.	0.0	4
63	Three-dimensional reconstruction and surface rendering of the five different spectral types of cone pedicle in the turtle retina. <i>Journal of Neuroscience Methods</i> , 1995, 62, 83-88.	1.3	2
64	Uniqueness of the S-cone pedicle in the human retina and consequences for color processing. , 0, .		1
65	The 1982 ARVO electrophysiology symposium "neural interactions in the vertebrate retina". <i>Vision Research</i> , 1983, 23, 1139-1141.	0.7	0
66	The Architecture of Functional Neural Circuits in the Cat Retina. , 1995, , 37-51.		0