

# Donald Snodderly

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,629  
citations

257101

24  
h-index

377514

34  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macular pigment density measured by autofluorescence spectrometry; comparison with reflectometry and heterochromatic flicker photometry. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 1212.	0.8	258
2	Response Variability of Neurons in Primary Visual Cortex (V1) of Alert Monkeys. <i>Journal of Neuroscience</i> , 1997, 17, 2914-2920.	1.7	234
3	Comparison of fluorescein angiography with microvascular anatomy of macaque retinas. <i>Experimental Eye Research</i> , 1995, 61, 1-16.	1.2	154
4	Orientation and Direction Selectivity of Neurons in V1 of Alert Monkeys: Functional Relationships and Laminal Distributions. <i>Cerebral Cortex</i> , 2005, 15, 1207-1221.	1.6	141
5	Macular Pigment Measurement by Heterochromatic Flicker Photometry in Older Subjects: The Carotenoids and Age-Related Eye Disease Study. , 2004, 45, 531.		129
6	Macular lutein and zeaxanthin are related to brain lutein and zeaxanthin in primates. <i>Nutritional Neuroscience</i> , 2013, 16, 21-29.	1.5	125
7	Selective activation of visual cortex neurons by fixational eye movements: Implications for neural coding. <i>Visual Neuroscience</i> , 2001, 18, 259-277.	0.5	121
8	Structural and Geometrical Isomers of Carotenoids in Human Plasma. <i>Journal of Nutrition</i> , 1990, 120, 1654-1662.	1.3	115
9	Saccades and drifts differentially modulate neuronal activity in V1: Effects of retinal image motion, position, and extraretinal influences. <i>Journal of Vision</i> , 2008, 8, 19-19.	0.1	110
10	Nutritional Manipulation of Primate Retinas, I: Effects of Lutein or Zeaxanthin Supplements on Serum and Macular Pigment in Xanthophyll-Free Rhesus Monkeys. , 2004, 45, 3234.		107
11	Retinal vasculature of the fovea of the squirrel monkey, <i>Saimiri sciureus</i> : Three-dimensional architecture, visual screening, and relationships to the neuronal layers. <i>Journal of Comparative Neurology</i> , 1990, 297, 145-163.	0.9	90
12	Density of the Human Crystalline Lens is Related to the Macular Pigment Carotenoids, Lutein and Zeaxanthin. <i>Optometry and Vision Science</i> , 1997, 74, 499-504.	0.6	85
13	Spatial Profile of Macular Pigment and Its Relationship to Foveal Architecture. , 2008, 49, 2134.		84
14	Nutritional Manipulation of Primate Retinas, II: Effects of Age, nâ€“3 Fatty Acids, Lutein, and Zeaxanthin on Retinal Pigment Epithelium. , 2004, 45, 3244.		76
15	Spatial Organization of Receptive Fields of V1 Neurons of Alert Monkeys: Comparison With Responses to Gratings. <i>Journal of Neurophysiology</i> , 2002, 88, 2557-2574.	0.9	75
16	High Response Reliability of Neurons in Primary Visual Cortex (V1) of Alert, Trained Monkeys. <i>Cerebral Cortex</i> , 2006, 16, 888-895.	1.6	74
17	Macular Pigment Density and Age-Related Maculopathy in the Carotenoids in Age-Related Eye Disease Study. <i>Ophthalmology</i> , 2008, 115, 876-883.e1.	2.5	74
18	Eye movements between saccades: Measuring ocular drift and tremor. <i>Vision Research</i> , 2016, 122, 93-104.	0.7	66

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19	[19] Measurement of carotenoids in human and monkey retinas. <i>Methods in Enzymology</i> , 1992, 213, 220-230.	0.4	62
20	Studying striate cortex neurons in behaving monkeys: Benefits of image stabilization. <i>Vision Research</i> , 1987, 27, 2081-2087.	0.7	52
21	Effects of light and dark environments on macaque and human fixational eye movements. <i>Vision Research</i> , 1987, 27, 401-415.	0.7	46
22	Joint Associations of Diet, Lifestyle, and Genes with Age-Related Macular Degeneration. <i>Ophthalmology</i> , 2015, 122, 2286-2294.	2.5	44
23	Physiological Properties of Macaque V1 Neurons are Correlated With Extracellular Spike Amplitude, Duration, and Polarity. <i>Journal of Neurophysiology</i> , 1999, 82, 1451-1464.	0.9	38
24	Direction selectivity in V1 of alert monkeys: evidence for parallel pathways for motion processing. <i>Journal of Physiology</i> , 2007, 585, 383-400.	1.3	34
25	Physiological differences between neurons in layer 2 and layer 3 of primary visual cortex (V1) of alert macaque monkeys. <i>Journal of Physiology</i> , 2008, 586, 2293-2306.	1.3	32
26	Plasma Carotenoids of Monkeys ( <i>Macaca fascicularis</i> and <i>Saimiri sciureus</i> ) Fed a Nonpurified Diet. <i>Journal of Nutrition</i> , 1990, 120, 1663-1671.	1.3	31
27	Nutritional manipulation of primate retinas. IV. Effects of n-3 fatty acids, lutein, and zeaxanthin on S-cones and rods in the foveal region. <i>Experimental Eye Research</i> , 2005, 81, 513-529.	1.2	30
28	Compensation for Light Loss Resulting From Filtering by Macular Pigment: Relation to the S-Cone Pathway. <i>Optometry and Vision Science</i> , 2006, 83, 887-894.	0.6	29
29	A physiological perspective on fixational eye movements. <i>Vision Research</i> , 2016, 118, 31-47.	0.7	24
30	Eye Position Compensation Improves Estimates of Response Magnitude and Receptive Field Geometry in Alert Monkeys. <i>Journal of Neurophysiology</i> , 2007, 97, 3439-3448.	0.9	15
31	Enhancing Performance While Avoiding Damage: A Contribution of Macular Pigment. , 2013, 54, 6298.		14
32	Primate area V1. <i>NeuroReport</i> , 2014, 25, 1109-1115.	0.6	13
33	Iris color and age-related changes in lens optical density. <i>Ophthalmic and Physiological Optics</i> , 2000, 20, 381-386.	1.0	11
34	Initiation of feeding by four sympatric Neotropical primates ( <i>Ateles belzebuth</i> , <i>Lagothrix lagotricha</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Relationships to photic and ecological factors. <i>PLoS ONE</i> , 2019, 14, e0210494.	1.1	11
35	Projection of the Lateral Eye of <i>Limulus</i> to the Brain. <i>Nature</i> , 1970, 227, 284-286.	13.7	9
36	Dietary Manipulation of Plasma Carotenoid Concentrations of Squirrel Monkeys ( <i>Saimiri sciureus</i> ) ,. <i>Journal of Nutrition</i> , 1997, 127, 122-129.	1.3	7

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37	Mapping Retinal Features in a Freely Moving Eye with Precise Control of Retinal Stimulus Position. Springer Series in Optical Sciences, 1978, , 79-92.	0.5	5
38	Primate head and body restraint without chronic skin openings or attachments to the animal. Behavior Research Methods, 1985, 17, 391-396.	1.3	2
39	Outline of a Primate Visual System. Advances in Behavioral Biology, 1974, , 93-149.	0.2	2
40	Characterizing ocular drift and tremor: contributions to the retinal input. Journal of Vision, 2015, 15, 214.	0.1	0