

William H Merigan

List of Publications by Year in descending order

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36
papers

3,067
citations

394421

19
h-index

501196

28
g-index

38
all docs

38
docs citations

38
times ranked

2880
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo "Directed Evolution of a New Adeno-Associated Virus for Therapeutic Outer Retinal Gene Delivery from the Vitreous. <i>Science Translational Medicine</i> , 2013, 5, 189ra76.	12.4	554
2	The susceptibility of the retina to photochemical damage from visible light. <i>Progress in Retinal and Eye Research</i> , 2012, 31, 28-42.	15.5	294
3	Macaque vision after magnocellular lateral geniculate lesions. <i>Visual Neuroscience</i> , 1990, 5, 347-352.	1.0	238
4	In vivo fluorescence imaging of primate retinal ganglion cells and retinal pigment epithelial cells. <i>Optics Express</i> , 2006, 14, 7144.	3.4	185
5	Intravitreal Injection of AAV2 Transduces Macaque Inner Retina. , 2011, 52, 2775.		177
6	In Vivo Autofluorescence Imaging of the Human and Macaque Retinal Pigment Epithelial Cell Mosaic. , 2009, 50, 1350.		172
7	Basic visual capacities and shape discrimination after lesions of extrastriate area V4 in macaques. <i>Visual Neuroscience</i> , 1996, 13, 51-60.	1.0	161
8	Adaptive optics retinal imaging in the living mouse eye. <i>Biomedical Optics Express</i> , 2012, 3, 715.	2.9	139
9	Light-Induced Retinal Changes Observed with High-Resolution Autofluorescence Imaging of the Retinal Pigment Epithelium. , 2008, 49, 3715.		119
10	Vision science and adaptive optics, the state of the field. <i>Vision Research</i> , 2017, 132, 3-33.	1.4	115
11	Images of photoreceptors in living primate eyes using adaptive optics two-photon ophthalmoscopy. <i>Biomedical Optics Express</i> , 2011, 2, 139.	2.9	87
12	In-vivo imaging of retinal nerve fiber layer vasculature: imaging - histology comparison. <i>BMC Ophthalmology</i> , 2009, 9, 9.	1.4	76
13	In vivo two-photon imaging of the mouse retina. <i>Biomedical Optics Express</i> , 2013, 4, 1285.	2.9	76
14	In vivo "directed evolution of adeno-associated virus in the primate retina. <i>JCI Insight</i> , 2020, 5, .	5.0	71
15	In Vivo Imaging of the Fine Structure of Rhodamine-Labeled Macaque Retinal Ganglion Cells. , 2008, 49, 467.		66
16	Cortical area V4 is critical for certain texture discriminations, but this effect is not dependent on attention. <i>Visual Neuroscience</i> , 2000, 17, 949-958.	1.0	64
17	Imaging light responses of retinal ganglion cells in the living mouse eye. <i>Journal of Neurophysiology</i> , 2013, 109, 2415-2421.	1.8	61
18	V4 lesions in macaques affect both single- and multiple-viewpoint shape discriminations. <i>Visual Neuroscience</i> , 1998, 15, 359-367.	1.0	54

#	ARTICLE	IF	CITATIONS
19	Optogenetic restoration of retinal ganglion cell activity in the living primate. <i>Nature Communications</i> , 2020, 11, 1703.	12.8	50
20	Imaging Light Responses of Foveal Ganglion Cells in the Living Macaque Eye. <i>Journal of Neuroscience</i> , 2014, 34, 6596-6605.	3.6	48
21	The Reduction of Retinal Autofluorescence Caused by Light Exposure. , 2009, 50, 6015.		42
22	Visual effects of damage to P ganglion cells in macaques. <i>Visual Neuroscience</i> , 1992, 8, 575-583.	1.0	40
23	Parallel processing streams in human visual cortex. <i>NeuroReport</i> , 1997, 8, 3985-3991.	1.2	36
24	Imaging Transplanted Photoreceptors in Living Nonhuman Primates with Single-Cell Resolution. <i>Stem Cell Reports</i> , 2020, 15, 482-497.	4.8	35
25	Functional architecture of the foveola revealed in the living primate. <i>PLoS ONE</i> , 2018, 13, e0207102.	2.5	25
26	Creation of direction selectivity in adult strobe-reared cats. <i>Nature</i> , 1981, 292, 834-836.	27.8	17
27	Deficits in Complex Visual Perception Following Unilateral Temporal Lobectomy. <i>Journal of Cognitive Neuroscience</i> , 1998, 10, 395-407.	2.3	14
28	Unilateral Deficits in Visual Perception and Learning after Unilateral Inferotemporal Cortex Lesions in Macaques. <i>Cerebral Cortex</i> , 2004, 14, 863-871.	2.9	13
29	Abnormal visual resolution of cats reared in stroboscopic illumination. <i>Nature</i> , 1979, 280, 313-314.	27.8	9
30	Cellular-scale evaluation of induced photoreceptor degeneration in the living primate eye. <i>Biomedical Optics Express</i> , 2019, 10, 66.	2.9	9
31	Localized Photoreceptor Ablation Using Femtosecond Pulses Focused With Adaptive Optics. <i>Translational Vision Science and Technology</i> , 2020, 9, 16.	2.2	8
32	Optogenetic therapy restores retinal activity in primate for at least a year following photoreceptor ablation. <i>Molecular Therapy</i> , 2022, 30, 1315-1328.	8.2	7
33	Sorting the wheat from the chaff in visual perception. <i>Nature Neuroscience</i> , 1999, 2, 690-691.	14.8	4
34	Introduction to special issue on adaptive optics for vision. <i>Vision Research</i> , 2017, 132, 1-2.	1.4	0
35	Ultrafast laser induced retinal degeneration model in macaque using adaptive optics. <i>Journal of Vision</i> , 2019, 19, 14.	0.3	0
36	Optogenetic vision restoration in the living macaque. <i>Journal of Vision</i> , 2019, 19, 15.	0.3	0