William H Merigan

List of Publications by Year
in descending order

36	3,067	394421	501196
papers	citations	19 h-index	28 g-index

38	38	38	2880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optogenetic therapy restores retinal activity in primate for at least a year following photoreceptor ablation. Molecular Therapy, 2022, 30, 1315-1328.	8.2	7
2	Imaging Transplanted Photoreceptors in Living Nonhuman Primates with Single-Cell Resolution. Stem Cell Reports, 2020, 15, 482-497.	4.8	35
3	Localized Photoreceptor Ablation Using Femtosecond Pulses Focused With Adaptive Optics. Translational Vision Science and Technology, 2020, 9, 16.	2.2	8
4	Optogenetic restoration of retinal ganglion cell activity in the living primate. Nature Communications, 2020, 11, 1703.	12.8	50
5	In vivoâ€“directed evolution of adeno-associated virus in the primate retina. JCI Insight, 2020, 5, .	5.0	71
6	Cellular-scale evaluation of induced photoreceptor degeneration in the living primate eye. Biomedical Optics Express, 2019, 10, 66.	2.9	9
7	Ultrafast laser induced retinal degeneration model in macaque using adaptive optics. Journal of Vision, 2019, 19, 14.	0.3	0
8	Optogenetic vision restoration in the living macaque. Journal of Vision, 2019, 19, 15.	0.3	0
9	Functional architecture of the foveola revealed in the living primate. PLoS ONE, 2018, 13, e0207102.	2.5	25
10	Vision science and adaptive optics, the state of the field. Vision Research, 2017, 132, 3-33.	1.4	115
11	Introduction to special issue on adaptive optics for vision. Vision Research, 2017, 132, 1-2.	1.4	0
12	Imaging Light Responses of Foveal Ganglion Cells in the Living Macaque Eye. Journal of Neuroscience, 2014, 34, 6596-6605.	3.6	48
13	Imaging light responses of retinal ganglion cells in the living mouse eye. Journal of Neurophysiology, 2013, 109, 2415-2421.	1.8	61
14	In vivo two-photon imaging of the mouse retina. Biomedical Optics Express, 2013, 4, 1285.	2.9	76
15	In Vivoâ€“Directed Evolution of a New Adeno-Associated Virus for Therapeutic Outer Retinal Gene Delivery from the Vitreous. Science Translational Medicine, 2013, 5, 189ra76.	12.4	554
16	Adaptive optics retinal imaging in the living mouse eye. Biomedical Optics Express, 2012, 3, 715.	2.9	139
17	The susceptibility of the retina to photochemical damage from visible light. Progress in Retinal and Eye Research, 2012, 31, 28-42.	15.5	294
18	Images of photoreceptors in living primate eyes using adaptive optics two-photon ophthalmoscopy. Biomedical Optics Express, 2011, 2, 139.	2.9	87

#	Article	IF	Citations
19	Intravitreal Injection of AAV2 Transduces Macaque Inner Retina. , 2011, 52, 2775.		177
20	The Reduction of Retinal Autofluorescence Caused by Light Exposure. , 2009, 50, 6015.		42
21	In Vivo Autofluorescence Imaging of the Human and Macaque Retinal Pigment Epithelial Cell Mosaic. , 2009, 50, 1350.		172
22	In-vivo imaging of retinal nerve fiber layer vasculature: imaging - histology comparison. BMC Ophthalmology, 2009, 9, 9.	1.4	76
23	In Vivo Imaging of the Fine Structure of Rhodamine-Labeled Macaque Retinal Ganglion Cells. , 2008, 49, 467.		66
24	Light-Induced Retinal Changes Observed with High-Resolution Autofluorescence Imaging of the Retinal Pigment Epithelium. , 2008, 49, 3715.		119
25	In vivo fluorescence imaging of primate retinal ganglion cells and retinal pigment epithelial cells. Optics Express, 2006, 14, 7144.	3.4	185
26	Unilateral Deficits in Visual Perception and Learning after Unilateral Inferotemporal Cortex Lesions in Macaques. Cerebral Cortex, 2004, 14, 863-871.	2.9	13
27	Cortical area V4 is critical for certain texture discriminations, but this effect is not dependent on attention. Visual Neuroscience, 2000, 17, 949-958.	1.0	64
28	Sorting the wheat from the chaff in visual perception. Nature Neuroscience, 1999, 2, 690-691.	14.8	4
29	Deficits in Complex Visual Perception Following Unilateral Temporal Lobectomy. Journal of Cognitive Neuroscience, 1998, 10, 395-407.	2.3	14
30	V4 lesions in macaques affect both single- and multiple-viewpoint shape discriminations. Visual Neuroscience, 1998, 15, 359-367.	1.0	54
31	Parallel processing streams in human visual cortex. NeuroReport, 1997, 8, 3985-3991.	1.2	36
32	Basic visual capacities and shape discrimination after lesions of extrastriate area V4 in macaques. Visual Neuroscience, 1996, 13, 51-60.	1.0	161
33	Visual effects of damage to P ganglion cells in macaques. Visual Neuroscience, 1992, 8, 575-583.	1.0	40
34	Macaque vision after magnocellular lateral geniculate lesions. Visual Neuroscience, 1990, 5, 347-352.	1.0	238
35	Creation of direction selectivity in adult strobe-reared cats. Nature, 1981, 292, 834-836.	27.8	17
36	Abnormal visual resolution of cats reared in stroboscopic illumination. Nature, 1979, 280, 313-314.	27.8	9