Antony B Morland

List of Publications by Year
in descending order

64 papers	2,203 citations	304743 22 h-index	265206 42 g-index
72 all docs	72 docs citations	72 times ranked	1918 citing authors

#	Article	IF	Citations
1	Topographic Organization of Human Visual Areas in the Absence of Input from Primary Cortex. Journal of Neuroscience, 1999, 19, 2619-2627.	3.6	215
2	Large-scale remapping of visual cortex is absent in adult humans with macular degeneration. Nature Neuroscience, 2011, 14, 649-655.	14.8	174
3	Reorganization of human cortical maps caused by inherited photoreceptor abnormalities. Nature Neuroscience, 2002, 5, 364-370.	14.8	152
4	Organization of the Visual Cortex in Human Albinism. Journal of Neuroscience, 2003, 23, 8921-8930.	3.6	131
5	A Direct Demonstration of Functional Differences between Subdivisions of Human V5/MT+. Cerebral Cortex, 2017, 27, 1-10.	2.9	119
6	Visual perception of motion, luminance and colour in a human hemianope. Brain, 1999, 122, 1183-1198.	7.6	93
7	Misrouting of the Optic Nerves in Albinism: Estimation of the Extent with Visual Evoked Potentials. , 2005, 46, 3892.		68
8	Population Receptive Field Dynamics in Human Visual Cortex. PLoS ONE, 2012, 7, e37686.	2.5	66
9	Specialized and independent processing of orientation and shape in visual field maps LO1 and LO2. Nature Neuroscience, 2013, 16, 267-269.	14.8	65
10	Using magnetic resonance imaging to assess visual deficits: a review. Ophthalmic and Physiological Optics, 2016, 36, 240-265.	2.0	65
11	Abnormal retinotopic representations in human visual cortex revealed by fMRI. Acta Psychologica, 2001, 107, 229-247.	1.5	64
12	Morphometric analyses of the visual pathways inÂmacular degeneration. Cortex, 2014, 56, 99-110.	2.4	62
13	Retinal abnormalities in human albinism translate into a reduction of grey matter in the occipital cortex. European Journal of Neuroscience, 2005, 22, 2475-2480.	2.6	56
14	Perceptual distortions of speed at low luminance: Evidence inconsistent with a Bayesian account of speed encoding. Vision Research, 2007, 47, 564-568.	1.4	54
15	Identifying Human Albinism: A Comparison of VEP and fMRI. , 2008, 49, 238.		48
16	Pigmentation predicts the shift in the line of decussation in humans with albinism. European Journal of Neuroscience, 2007, 25, 503-511.	2.6	47
17	The Role of Spared Calcarine Cortex and Lateral Occipital Cortex in the Responses of Human Hemianopes to Visual Motion. Journal of Cognitive Neuroscience, 2004, 16, 204-218.	2.3	46
18	Changes in brain morphology in albinism reflect reduced visual acuity. Cortex, 2014, 56, 64-72.	2.4	45

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19	Human colour perception changes between seasons. Current Biology, 2015, 25, R646-R647.	3.9	45
20	Emergence of symmetry selectivity in the visual areas of the human brain: fMRI responses to symmetry presented in both frontoparallel and slanted planes. Human Brain Mapping, 2018, 39, 3813-3826.	3.6	44
21	A ratio model of perceived speed in the human visual system. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2351-2356.	2.6	39
22	On the Role of Suppression in Spatial Attention: Evidence from Negative BOLD in Human Subcortical and Cortical Structures. Journal of Neuroscience, 2014, 34, 10347-10360.	3.6	37
23	Multivariate Patterns in the Human Object-Processing Pathway Reveal a Shift from Retinotopic to Shape Curvature Representations in Lateral Occipital Areas, LO-1 and LO-2. Journal of Neuroscience, 2016, 36, 5763-5774.	3.6	35
24	Surface-Based Analyses of Anatomical Properties of the Visual Cortex in Macular Degeneration. PLoS ONE, 2016, 11, e0146684.	2.5	34
25	The Effect of Age and Fixation Instability on Retinotopic Mapping of Primary Visual Cortex. , 2008, 49, 3734.		31
26	Population receptive field (pRF) measurements of chromatic responses in human visual cortex using fMRI. NeuroImage, 2018, 167, 84-94.	4.2	28
27	Plasticity, and Its Limits, in Adult Human PrimaryÂVisual Cortex. Multisensory Research, 2015, 28, 297-307.	1.1	25
28	DataViewer3D: An open-source, cross-platform multi-modal neuroimaging data visualization tool. Frontiers in Neuroinformatics, 2009, 3, 9.	2.5	24
29	The Noninvasive Dissection of the Human Visual Cortex: Using fMRI and TMS to Study the Organization of the Visual Brain. Neuroscientist, 2009, 15, 489-506.	3.5	23
30	Preserved retinotopic brain connectivity in macular degeneration. Ophthalmic and Physiological Optics, 2016, 36, 335-343.	2.0	22
31	The fovea regulates symmetrical development of the visual cortex. Journal of Comparative Neurology, 2008, 506, 791-800.	1.6	21
32	Quantifying nerve decussation abnormalities in the optic chiasm. NeuroImage: Clinical, 2019, 24, 102055.	2.7	19
33	Diurnal daylight phase affects the temporal properties of both the b-wave and d-wave of the human electroretinogram. Brain Research, 2001, 889, 339-343.	2.2	18
34	The Organization of the Visual Cortex in Patients with Scotomata Resulting from Lesions of the Central Retina. Neuro-Ophthalmology, 2009, 33, 149-157.	1.0	17
35	Objective Visual Assessment of Antiangiogenic Treatment for Wet Age-Related Macular Degeneration. Optometry and Vision Science, 2011, 88, 1255-1261.	1.2	15
36	Differential processing of the direction and focus of expansion of optic flow stimuli in areas MST and V3A of the human visual cortex. Journal of Neurophysiology, 2017, 117, 2209-2217.	1.8	15

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37	Following the Status of Visual Cortex Over Time in Patients With Macular Degeneration Reveals Atrophy of Visually Deprived Brain Regions. , 2019, 60, 5045.		15
38	An enhanced role for right hV5/MT+ in the analysis of motion in the contra- and ipsi-lateral visual hemi-fields. Behavioural Brain Research, 2019, 372, 112060.	2.2	13
39	Organization of the Central Visual Pathways Following Field Defects Arising from Congenital, Inherited, and Acquired Eye Disease. Annual Review of Vision Science, 2015, 1, 329-350.	4.4	12
40	Differences in selectivity to natural images in early visual areas (V1â€“V3). Scientific Reports, 2017, 7, 2444.	3.3	12
41	The distribution of unique green wavelengths and its relationship to macular pigment density. Journal of Vision, 2013, 13, 15-15.	0.3	10
42	Triple visual hemifield maps in a case of optic chiasm hypoplasia. NeuroImage, 2020, 215, 116822.	4.2	10
43	Structural changes to primary visual cortex in the congenital absence of cone input in achromatopsia. NeuroImage: Clinical, 2022, 33, 102925.	2.7	9
44	Neural markers of suppression in impaired binocular vision. NeuroImage, 2021, 230, 117780.	4.2	8
45	Asymmetries between achromatic and chromatic extraction of 3D motion signals. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13631-13640.	7.1	7
46	Structural Differences Across Multiple Visual Cortical Regions in the Absence of Cone Function in Congenital Achromatopsia. Frontiers in Neuroscience, 2021, 15, 718958.	2.8	7
47	The Hermann-Hering grid illusion demonstrates disruption of lateral inhibition processing in diabetes mellitus. British Journal of Ophthalmology, 2002, 86, 203-208.	3.9	6
48	An Orientation Dependent Size Illusion Is Underpinned by Processing in the Extrastriate Visual Area, LO1. I-Perception, 2016, 7, 204166951666762.	1.4	6
49	CHIASM, the human brain albinism and achiasma MRI dataset. Scientific Data, 2021, 8, 308.	5.3	6
50	Temporal visual filtering in diabetes mellitus. Vision Research, 2003, 43, 2377-2385.	1.4	4
51	Electronic retinal prosthesis for severe loss of vision in geographic atrophy in age-related macular degeneration: First-in-human use. European Journal of Ophthalmology, 2021, 31, 920-931.	1.3	3
52	Cortical Reorganization: Reallocated Responses without Rewiring. Current Biology, 2021, 31, R76-R78.	3.9	2
53	Motion-Defined Form Discrimination in Human V5/MT+. Journal of Vision, 2019, 19, 287.	0.3	2
54	Spatial visual filtering in diabetes mellitus. Graefe's Archive for Clinical and Experimental Ophthalmology, 2003, 241, 489-496.	1.9	1

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55	Assessing functional reorganization in visual cortex with simulated retinal lesions. Brain Structure and Function, 2021, 226, 2855-2867.	2.3	1
56	Population receptive fields in V1 enlarge as luminance is reduced from photopic to scotopic levels. Journal of Vision, 2018, 18, 577.	0.3	1
57	The search for shape-centered representations. Cognitive Neuropsychology, 2022, 39, 85-87.	1.1	1
58	Cortical Atrophy Predicts Visual Performance in Long-Term Central Retinal Disease; GCL, pRNFL and Cortical Thickness Are Key Biomarkers. , 2022, 63, 35.		1
59	Obituary. Perception, 1997, 26, 935-938.	1.2	0
60	Disorders of vision. , 2002, , 621-633.		0
61	Differences in Cortical Thickness Reflect Differences in Plasticity of Visual Cortex Between Juvenile and Age-related Macular Degeneration. Journal of Vision, 2017, 17, 645.	0.3	0
62	Exploring the role of curvature for neural shape representations across hV4 and Lateral Occipital visual field maps. Journal of Vision, 2017, 17, 292.	0.3	0
63	Radial frequency tuning in human visual cortex. Journal of Vision, 2017, 17, 293.	0.3	0
64	Assessing the functional properties of primary visual cortex in the absence of extrastriate visual areas.. Journal of Vision, 2018, 18, 28.	0.3	0