

# Antony B Morland

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Structural changes to primary visual cortex in the congenital absence of cone input in achromatopsia. <i>NeuroImage: Clinical</i> , 2022, 33, 102925.	2.7	9
2	The search for shape-centered representations. <i>Cognitive Neuropsychology</i> , 2022, 39, 85-87.	1.1	1
3	Cortical Atrophy Predicts Visual Performance in Long-Term Central Retinal Disease; GCL, pRNFL and Cortical Thickness Are Key Biomarkers. , 2022, 63, 35.		1
4	Cortical Reorganization: Reallocated Responses without Rewiring. <i>Current Biology</i> , 2021, 31, R76-R78.	3.9	2
5	Electronic retinal prosthesis for severe loss of vision in geographic atrophy in age-related macular degeneration: First-in-human use. <i>European Journal of Ophthalmology</i> , 2021, 31, 920-931.	1.3	3
6	Neural markers of suppression in impaired binocular vision. <i>NeuroImage</i> , 2021, 230, 117780.	4.2	8
7	Assessing functional reorganization in visual cortex with simulated retinal lesions. <i>Brain Structure and Function</i> , 2021, 226, 2855-2867.	2.3	1
8	Structural Differences Across Multiple Visual Cortical Regions in the Absence of Cone Function in Congenital Achromatopsia. <i>Frontiers in Neuroscience</i> , 2021, 15, 718958.	2.8	7
9	CHIASM, the human brain albinism and achiasma MRI dataset. <i>Scientific Data</i> , 2021, 8, 308.	5.3	6
10	Triple visual hemifield maps in a case of optic chiasm hypoplasia. <i>NeuroImage</i> , 2020, 215, 116822.	4.2	10
11	An enhanced role for right hV5/MT+ in the analysis of motion in the contra- and ipsi-lateral visual hemi-fields. <i>Behavioural Brain Research</i> , 2019, 372, 112060.	2.2	13
12	Quantifying nerve decussation abnormalities in the optic chiasm. <i>NeuroImage: Clinical</i> , 2019, 24, 102055.	2.7	19
13	Asymmetries between achromatic and chromatic extraction of 3D motion signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13631-13640.	7.1	7
14	Following the Status of Visual Cortex Over Time in Patients With Macular Degeneration Reveals Atrophy of Visually Deprived Brain Regions. , 2019, 60, 5045.		15
15	Motion-Defined Form Discrimination in Human V5/MT+. <i>Journal of Vision</i> , 2019, 19, 287.	0.3	2
16	Population receptive field (pRF) measurements of chromatic responses in human visual cortex using fMRI. <i>NeuroImage</i> , 2018, 167, 84-94.	4.2	28
17	Emergence of symmetry selectivity in the visual areas of the human brain: fMRI responses to symmetry presented in both frontoparallel and slanted planes. <i>Human Brain Mapping</i> , 2018, 39, 3813-3826.	3.6	44
18	Assessing the functional properties of primary visual cortex in the absence of extrastriate visual areas.. <i>Journal of Vision</i> , 2018, 18, 28.	0.3	0

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19	Population receptive fields in V1 enlarge as luminance is reduced from photopic to scotopic levels. <i>Journal of Vision</i> , 2018, 18, 577.	0.3	1
20	Differential processing of the direction and focus of expansion of optic flow stimuli in areas MST and V3A of the human visual cortex. <i>Journal of Neurophysiology</i> , 2017, 117, 2209-2217.	1.8	15
21	Differences in selectivity to natural images in early visual areas (V1–V3). <i>Scientific Reports</i> , 2017, 7, 2444.	3.3	12
22	A Direct Demonstration of Functional Differences between Subdivisions of Human V5/MT+. <i>Cerebral Cortex</i> , 2017, 27, 1-10.	2.9	119
23	Differences in Cortical Thickness Reflect Differences in Plasticity of Visual Cortex Between Juvenile and Age-related Macular Degeneration. <i>Journal of Vision</i> , 2017, 17, 645.	0.3	0
24	Exploring the role of curvature for neural shape representations across hV4 and Lateral Occipital visual field maps. <i>Journal of Vision</i> , 2017, 17, 292.	0.3	0
25	Radial frequency tuning in human visual cortex. <i>Journal of Vision</i> , 2017, 17, 293.	0.3	0
26	Surface-Based Analyses of Anatomical Properties of the Visual Cortex in Macular Degeneration. <i>PLoS ONE</i> , 2016, 11, e0146684.	2.5	34
27	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. <i>Journal of Neuroscience</i> , 2016, 36, 5763-5774.	3.6	35
28	An Orientation Dependent Size Illusion Is Underpinned by Processing in the Extrastriate Visual Area, LO1. <i>i-Perception</i> , 2016, 7, 204166951666762.	1.4	6
29	Preserved retinotopic brain connectivity in macular degeneration. <i>Ophthalmic and Physiological Optics</i> , 2016, 36, 335-343.	2.0	22
30	Using magnetic resonance imaging to assess visual deficits: a review. <i>Ophthalmic and Physiological Optics</i> , 2016, 36, 240-265.	2.0	65
31	Organization of the Central Visual Pathways Following Field Defects Arising from Congenital, Inherited, and Acquired Eye Disease. <i>Annual Review of Vision Science</i> , 2015, 1, 329-350.	4.4	12
32	Plasticity, and Its Limits, in Adult Human Primary Visual Cortex. <i>Multisensory Research</i> , 2015, 28, 297-307.	1.1	25
33	Human colour perception changes between seasons. <i>Current Biology</i> , 2015, 25, R646-R647.	3.9	45
34	On the Role of Suppression in Spatial Attention: Evidence from Negative BOLD in Human Subcortical and Cortical Structures. <i>Journal of Neuroscience</i> , 2014, 34, 10347-10360.	3.6	37
35	Morphometric analyses of the visual pathways in macular degeneration. <i>Cortex</i> , 2014, 56, 99-110.	2.4	62
36	Changes in brain morphology in albinism reflect reduced visual acuity. <i>Cortex</i> , 2014, 56, 64-72.	2.4	45

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37	The distribution of unique green wavelengths and its relationship to macular pigment density. <i>Journal of Vision</i> , 2013, 13, 15-15.	0.3	10
38	Specialized and independent processing of orientation and shape in visual field maps LO1 and LO2. <i>Nature Neuroscience</i> , 2013, 16, 267-269.	14.8	65
39	Population Receptive Field Dynamics in Human Visual Cortex. <i>PLoS ONE</i> , 2012, 7, e37686.	2.5	66
40	Objective Visual Assessment of Antiangiogenic Treatment for Wet Age-Related Macular Degeneration. <i>Optometry and Vision Science</i> , 2011, 88, 1255-1261.	1.2	15
41	Large-scale remapping of visual cortex is absent in adult humans with macular degeneration. <i>Nature Neuroscience</i> , 2011, 14, 649-655.	14.8	174
42	DataViewer3D: An open-source, cross-platform multi-modal neuroimaging data visualization tool. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 9.	2.5	24
43	The Noninvasive Dissection of the Human Visual Cortex: Using fMRI and TMS to Study the Organization of the Visual Brain. <i>Neuroscientist</i> , 2009, 15, 489-506.	3.5	23
44	The Organization of the Visual Cortex in Patients with Scotomata Resulting from Lesions of the Central Retina. <i>Neuro-Ophthalmology</i> , 2009, 33, 149-157.	1.0	17
45	The fovea regulates symmetrical development of the visual cortex. <i>Journal of Comparative Neurology</i> , 2008, 506, 791-800.	1.6	21
46	The Effect of Age and Fixation Instability on Retinotopic Mapping of Primary Visual Cortex. , 2008, 49, 3734.		31
47	Identifying Human Albinism: A Comparison of VEP and fMRI. , 2008, 49, 238.		48
48	Pigmentation predicts the shift in the line of decussation in humans with albinism. <i>European Journal of Neuroscience</i> , 2007, 25, 503-511.	2.6	47
49	Perceptual distortions of speed at low luminance: Evidence inconsistent with a Bayesian account of speed encoding. <i>Vision Research</i> , 2007, 47, 564-568.	1.4	54
50	Retinal abnormalities in human albinism translate into a reduction of grey matter in the occipital cortex. <i>European Journal of Neuroscience</i> , 2005, 22, 2475-2480.	2.6	56
51	Misrouting of the Optic Nerves in Albinism: Estimation of the Extent with Visual Evoked Potentials. , 2005, 46, 3892.		68
52	A ratio model of perceived speed in the human visual system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 2351-2356.	2.6	39
53	The Role of Spared Calcarine Cortex and Lateral Occipital Cortex in the Responses of Human Hemianopes to Visual Motion. <i>Journal of Cognitive Neuroscience</i> , 2004, 16, 204-218.	2.3	46
54	Spatial visual filtering in diabetes mellitus. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2003, 241, 489-496.	1.9	1

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55	Temporal visual filtering in diabetes mellitus. <i>Vision Research</i> , 2003, 43, 2377-2385.	1.4	4
56	Organization of the Visual Cortex in Human Albinism. <i>Journal of Neuroscience</i> , 2003, 23, 8921-8930.	3.6	131
57	The Hermann-Hering grid illusion demonstrates disruption of lateral inhibition processing in diabetes mellitus. <i>British Journal of Ophthalmology</i> , 2002, 86, 203-208.	3.9	6
58	Disorders of vision. , 2002, , 621-633.		0
59	Reorganization of human cortical maps caused by inherited photoreceptor abnormalities. <i>Nature Neuroscience</i> , 2002, 5, 364-370.	14.8	152
60	Abnormal retinotopic representations in human visual cortex revealed by fMRI. <i>Acta Psychologica</i> , 2001, 107, 229-247.	1.5	64
61	Diurnal daylight phase affects the temporal properties of both the b-wave and d-wave of the human electroretinogram. <i>Brain Research</i> , 2001, 889, 339-343.	2.2	18
62	Topographic Organization of Human Visual Areas in the Absence of Input from Primary Cortex. <i>Journal of Neuroscience</i> , 1999, 19, 2619-2627.	3.6	215
63	Visual perception of motion, luminance and colour in a human hemianope. <i>Brain</i> , 1999, 122, 1183-1198.	7.6	93
64	Obituary. <i>Perception</i> , 1997, 26, 935-938.	1.2	0