

# Geoffrey M Boynton

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48  
papers

2,233  
citations

21  
h-index

47  
g-index

51  
ext. papers

2,676  
ext. citations

4.3  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
48	Global effects of feature-based attention in human visual cortex. <i>Nature Neuroscience</i> , <b>2002</b> , 5, 631-2	25.5	457
47	Feature-based attentional modulations in the absence of direct visual stimulation. <i>Neuron</i> , <b>2007</b> , 55, 301-12	13.9	300
46	Long-term deprivation affects visual perception and cortex. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 915-6	25.5	233
45	Global feature-based attention for motion and color. <i>Vision Research</i> , <b>2003</b> , 43, 629-37	2.1	166
44	Psychophysical evidence for a magnocellular pathway deficit in dyslexia. <i>Vision Research</i> , <b>1998</b> , 38, 1555-9	2.1	155
43	Frequency and amplitude modulation have different effects on the percepts elicited by retinal stimulation <b>2012</b> , 53, 205-14		103
42	A framework for describing the effects of attention on visual responses. <i>Vision Research</i> , <b>2009</b> , 49, 1129-43	4.3	97
41	Predicting visual sensitivity in retinal prosthesis patients <b>2009</b> , 50, 1483-91		83
40	The representation of behavioral choice for motion in human visual cortex. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 12893-9	6.6	83
39	Spikes, BOLD, attention, and awareness: a comparison of electrophysiological and fMRI signals in V1. <i>Journal of Vision</i> , <b>2011</b> , 11, 12	0.4	62
38	Linear systems analysis of the fMRI signal. <i>NeuroImage</i> , <b>2012</b> , 62, 975-84	7.9	51
37	Learning to see again: biological constraints on cortical plasticity and the implications for sight restoration technologies. <i>Journal of Neural Engineering</i> , <b>2017</b> , 14, 051003	5	48
36	A model of ganglion axon pathways accounts for percepts elicited by retinal implants. <i>Scientific Reports</i> , <b>2019</b> , 9, 9199	4.9	39
35	Population receptive field estimates of human auditory cortex. <i>NeuroImage</i> , <b>2015</b> , 105, 428-39	7.9	38
34	Minimizing biases in estimating the reorganization of human visual areas with BOLD retinotopic mapping. <i>Journal of Vision</i> , <b>2013</b> , 13, 13	0.4	37
33	Temporal interactions during paired-electrode stimulation in two retinal prosthesis subjects <b>2011</b> , 52, 549-57		36
32	Early Blindness Results in Developmental Plasticity for Auditory Motion Processing within Auditory and Occipital Cortex. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 324	3.3	35

31	Pulse trains to percepts: the challenge of creating a perceptually intelligible world with sight recovery technologies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 370, 20140208	5.8	32
30	Parallel spatial channels converge at a bottleneck in anterior word-selective cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10087-10096	11.5	30
29	A lack of experience-dependent plasticity after more than a decade of recovered sight. <i>Psychological Science</i> , <b>2015</b> , 26, 393-401	7.9	24
28	Visual callosal topography in the absence of retinal input. <i>NeuroImage</i> , <b>2013</b> , 81, 325-334	7.9	23
27	Evidence of Serial Processing in Visual Word Recognition. <i>Psychological Science</i> , <b>2018</b> , 29, 1062-1071	7.9	19
26	You Can't Recognize Two Words Simultaneously. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 812-814	14	17
25	The link between reading ability and visual spatial attention across development. <i>Cortex</i> , <b>2019</b> , 121, 44-598	5.98	12
24	pulse2percept: A Python-based simulation framework for bionic vision <b>2017</b> ,		12
23	Evidence for unlimited capacity processing of simple features in visual cortex. <i>Journal of Vision</i> , <b>2017</b> , 17, 19	0.4	10
22	Differential transient MEG and fMRI responses to visual stimulation onset rate. <i>International Journal of Imaging Systems and Technology</i> , <b>2008</b> , 18, 17-28	2.5	7
21	Visual word recognition: Evidence for a serial bottleneck in lexical access. <i>Attention, Perception, and Psychophysics</i> , <b>2020</b> , 82, 2000-2017	2	7
20	The Importance of Considering Model Choices When Interpreting Results in Computational Neuroimaging. <i>ENeuro</i> , <b>2019</b> , 6,	3.9	5
19	pulse2percept: A Python-based simulation framework for bionic vision		3
18	Is there a serial bottleneck in visual object recognition?. <i>Journal of Vision</i> , <b>2021</b> , 21, 15	0.4	3
17	A neurophysiological explanation for biases in visual localization. <i>Attention, Perception, and Psychophysics</i> , <b>2017</b> , 79, 553-562	2	2
16	Modeling the perceptual experience of retinal prosthesis patients. <i>Journal of Vision</i> , <b>2017</b> , 17, 573	0.4	2
15	Reconstructing Tone Sequences from Functional Magnetic Resonance Imaging Blood-Oxygen Level Dependent Responses within Human Primary Auditory Cortex. <i>Frontiers in Psychology</i> , <b>2017</b> , 8, 1983	3.4	1
14	Model-Based Recommendations for Optimal Surgical Placement of Epiretinal Implants.. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 11768, 394-402	0.9	1

13	Endogenous cueing effects for detection can be accounted for by a decision model of selective attention. <i>Psychonomic Bulletin and Review</i> , <b>2020</b> , 27, 315-321	4.1	○
12	Systematic overweighting of early items in serial cue integration. <i>Visual Cognition</i> , <b>2013</b> , 21, 689-692	1.8	
11	A major role for retrieval and/or comparison in the set-size effects of change detection. <i>Journal of Vision</i> , <b>2021</b> , 21, 2	0.4	
10	Probing the serial bottleneck in visual word recognition. <i>Journal of Vision</i> , <b>2018</b> , 18, 1168	0.4	
9	The role of memory retrieval and decision when dividing attention in a Gabor patch change detection task. <i>Journal of Vision</i> , <b>2018</b> , 18, 1295	0.4	
8	Pulse trains to percepts: The challenge of creating a perceptually intelligible world by electrically stimulating visual cortex. <i>Journal of Vision</i> , <b>2019</b> , 19, 28	0.4	
7	How much does divided attention limit object recognition?. <i>Journal of Vision</i> , <b>2019</b> , 19, 103b	0.4	
6	Dividing attention across opposing features normalizes fMRI responses in visual cortex. <i>Journal of Vision</i> , <b>2019</b> , 19, 104b	0.4	
5	Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli. <i>Journal of Vision</i> , <b>2019</b> , 19, 80	0.4	
4	Parallel spatial channels for word recognition converge at a bottleneck in anterior word-selective cortex. <i>Journal of Vision</i> , <b>2019</b> , 19, 173a	0.4	
3	Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli in typical and atypical binocular vision. <i>Journal of Vision</i> , <b>2019</b> , 19, 45	0.4	
2	Evidence of serial processing in visual word recognition. <i>Journal of Vision</i> , <b>2017</b> , 17, 957	0.4	
1	Learning to see again: Perceptual learning of simulated abnormal on- off-cell population responses in sighted individuals.. <i>Journal of Vision</i> , <b>2021</b> , 21, 10	0.4	