

# Geoffrey M Boynton

## List of Publications by Year in Descending Order

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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 | 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  |           |
| 47 | Is there a serial bottleneck in visual object recognition?. <i>Journal of Vision</i> , <b>2021</b> , 21, 15   | 0.4  | 3         |
| 46 | 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  |           |
| 45 | 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  | 0         |
| 44 | 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         |
| 43 | The link between reading ability and visual spatial attention across development. <i>Cortex</i> , <b>2019</b> , 121, 44-598   | 3.9  | 12        |
| 42 | You Can't Recognize Two Words Simultaneously. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 812-814   | 14   | 17        |
| 41 | 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        |
| 40 | 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        |
| 39 | The Importance of Considering Model Choices When Interpreting Results in Computational Neuroimaging. <i>ENeuro</i> , <b>2019</b> , 6,   | 3.9  | 5         |
| 38 | 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  |           |
| 37 | How much does divided attention limit object recognition?. <i>Journal of Vision</i> , <b>2019</b> , 19, 103b  | 0.4  |           |
| 36 | Dividing attention across opposing features normalizes fMRI responses in visual cortex. <i>Journal of Vision</i> , <b>2019</b> , 19, 104b   | 0.4  |           |
| 35 | Using dynamic contrast estimation to assess interocular summation for non-rivalrous stimuli. <i>Journal of Vision</i> , <b>2019</b> , 19, 80  | 0.4  |           |
| 34 | 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  |           |
| 33 | 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  |           |
| 32 | 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         |

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|----|---|-----|----|
| 31 | Evidence of Serial Processing in Visual Word Recognition. <i>Psychological Science</i> , <b>2018</b> , 29, 1062-1071  | 7.9 | 19 |
| 30 | Probing the serial bottleneck in visual word recognition. <i>Journal of Vision</i> , <b>2018</b> , 18, 1168   | 0.4 |    |
| 29 | 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 |    |
| 28 | A neurophysiological explanation for biases in visual localization. <i>Attention, Perception, and Psychophysics</i> , <b>2017</b> , 79, 553-562   | 2   | 2  |
| 27 | Evidence for unlimited capacity processing of simple features in visual cortex. <i>Journal of Vision</i> , <b>2017</b> , 17, 19   | 0.4 | 10 |
| 26 | 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 |
| 25 | 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  |
| 24 | Modeling the perceptual experience of retinal prosthesis patients. <i>Journal of Vision</i> , <b>2017</b> , 17, 573   | 0.4 | 2  |
| 23 | pulse2percept: A Python-based simulation framework for bionic vision <b>2017</b> ,  |     | 12 |
| 22 | Evidence of serial processing in visual word recognition. <i>Journal of Vision</i> , <b>2017</b> , 17, 957  | 0.4 |    |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Population receptive field estimates of human auditory cortex. <i>NeuroImage</i> , <b>2015</b> , 105, 428-39  | 7.9 | 38 |
| 17 | Visual callosal topography in the absence of retinal input. <i>NeuroImage</i> , <b>2013</b> , 81, 325-334   | 7.9 | 23 |
| 16 | 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 |
| 15 | Systematic overweighting of early items in serial cue integration. <i>Visual Cognition</i> , <b>2013</b> , 21, 689-692  | 1.8 |    |
| 14 | Linear systems analysis of the fMRI signal. <i>NeuroImage</i> , <b>2012</b> , 62, 975-84  | 7.9 | 51 |

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|----|--|------|-----|
| 13 | Frequency and amplitude modulation have different effects on the percepts elicited by retinal stimulation <b>2012</b> , 53, 205-14                                       |      | 103 |
| 12 | 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  |
| 11 | Temporal interactions during paired-electrode stimulation in two retinal prosthesis subjects <b>2011</b> , 52, 549-57  |      | 36  |
| 10 | Predicting visual sensitivity in retinal prosthesis patients <b>2009</b> , 50, 1483-91   |      | 83  |
| 9  | A framework for describing the effects of attention on visual responses. <i>Vision Research</i> , <b>2009</b> , 49, 1129-43  |      | 97  |
| 8  | 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   |
| 7  | 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  |
| 6  | Feature-based attentional modulations in the absence of direct visual stimulation. <i>Neuron</i> , <b>2007</b> , 55, 301-12  | 13.9 | 300 |
| 5  | Long-term deprivation affects visual perception and cortex. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 915-6  | 25.5 | 233 |
| 4  | Global feature-based attention for motion and color. <i>Vision Research</i> , <b>2003</b> , 43, 629-37   | 2.1  | 166 |
| 3  | Global effects of feature-based attention in human visual cortex. <i>Nature Neuroscience</i> , <b>2002</b> , 5, 631-2  | 25.5 | 457 |
| 2  | Psychophysical evidence for a magnocellular pathway deficit in dyslexia. <i>Vision Research</i> , <b>1998</b> , 38, 1555-61  | 2.1  | 155 |
| 1  | pulse2percept: A Python-based simulation framework for bionic vision   |      | 3   |