

# D Samuel Schwarzkopf

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,529  
citations

201385

27  
h-index

233125

45  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2701  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The surface area of human V1 predicts the subjective experience of object size. <i>Nature Neuroscience</i> , 2011, 14, 28-30.  | 7.1 | 263       |
| 2  | Stochastic Resonance Effects Reveal the Neural Mechanisms of Transcranial Magnetic Stimulation. <i>Journal of Neuroscience</i> , 2011, 31, 3143-3147.                                      | 1.7 | 156       |
| 3  | Unexpected arousal modulates the influence of sensory noise on confidence. <i>ELife</i> , 2016, 5, .   | 2.8 | 138       |
| 4  | Relating inter-individual differences in metacognitive performance on different perceptual tasks. <i>Consciousness and Cognition</i> , 2011, 20, 1787-1792.                                | 0.8 | 128       |
| 5  | Larger Extrastriate Population Receptive Fields in Autism Spectrum Disorders. <i>Journal of Neuroscience</i> , 2014, 34, 2713-2724.  | 1.7 | 115       |
| 6  | Neural Population Tuning Links Visual Cortical Anatomy to Human Visual Perception. <i>Neuron</i> , 2015, 85, 641-656.  | 3.8 | 94        |
| 7  | Better Ways to Improve Standards in Brain-Behavior Correlation Analysis. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 200.  | 1.0 | 82        |
| 8  | Cortical idiosyncrasies predict the perception of object size. <i>Nature Communications</i> , 2016, 7, 12110.  | 5.8 | 77        |
| 9  | Subjective Size Perception Depends on Central Visual Cortical Magnification in Human V1. <i>PLoS ONE</i> , 2013, 8, e60550.  | 1.1 | 75        |
| 10 | Contextual Illusions Reveal the Limit of Unconscious Visual Processing. <i>Psychological Science</i> , 2011, 22, 399-405.  | 1.8 | 74        |
| 11 | Individual differences in visual salience vary along semantic dimensions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11687-11692. | 3.3 | 67        |
| 12 | Metacognitive ability correlates with hippocampal and prefrontal microstructure. <i>NeuroImage</i> , 2017, 149, 415-423.   | 2.1 | 66        |
| 13 | The Frequency of Visually Induced Gamma-Band Oscillations Depends on the Size of Early Human Visual Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 1507-1512.                          | 1.7 | 64        |
| 14 | Visual working memory performance in aphantasia. <i>Cortex</i> , 2018, 105, 61-73.   | 1.1 | 61        |
| 15 | Variability in visual cortex size reflects tradeoff between local orientation sensitivity and global orientation modulation. <i>Nature Communications</i> , 2013, 4, 2201.                 | 5.8 | 60        |
| 16 | Comparing different stimulus configurations for population receptive field mapping in human fMRI. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 96.                                    | 1.0 | 58        |
| 17 | Perception and Processing of Faces in the Human Brain Is Tuned to Typical Feature Locations. <i>Journal of Neuroscience</i> , 2016, 36, 9289-9302.   | 1.7 | 58        |
| 18 | Intersession reliability of population receptive field estimates. <i>NeuroImage</i> , 2016, 143, 293-303.  | 2.1 | 58        |

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|----|--|-----|-----------|
| 19 | Bayesian population receptive field modelling. <i>NeuroImage</i> , 2018, 180, 173-187.   | 2.1 | 56        |
| 20 | Visual Population Receptive Fields in People with Schizophrenia Have Reduced Inhibitory Surrounds. <i>Journal of Neuroscience</i> , 2017, 37, 1546-1556.                           | 1.7 | 49        |
| 21 | Interocular induction of illusory size perception. <i>BMC Neuroscience</i> , 2011, 12, 27.   | 0.8 | 47        |
| 22 | Exploring the parahippocampal cortex response to high and low spatial frequency spaces. <i>NeuroReport</i> , 2012, 23, 503-507.  | 0.6 | 38        |
| 23 | Brief daily binocular vision prevents monocular deprivation effects in visual cortex. <i>European Journal of Neuroscience</i> , 2007, 25, 270-280.                                 | 1.2 | 37        |
| 24 | Reciprocal Anatomical Relationship between Primary Sensory and Prefrontal Cortices in the Human Brain. <i>Journal of Neuroscience</i> , 2011, 31, 9472-9480.                       | 1.7 | 34        |
| 25 | Direct evidence for encoding of motion streaks in human visual cortex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122339.                       | 1.2 | 32        |
| 26 | Knowing with Which Eye We See: Utrocular Discrimination and Eye-Specific Signals in Human Visual Cortex. <i>PLoS ONE</i> , 2010, 5, e13775.  | 1.1 | 30        |
| 27 | Perceptual similarity and the neural correlates of geometrical illusions in human brain structure. <i>Scientific Reports</i> , 2017, 7, 39968.                                     | 1.6 | 26        |
| 28 | The Cats and Dogs test: A tool to identify visuoperceptual deficits in Parkinson's disease. <i>Movement Disorders</i> , 2017, 32, 1789-1790.                                       | 2.2 | 26        |
| 29 | Assessing cognitive dysfunction in Parkinson's disease: An online tool to detect visuoperceptual deficits. <i>Movement Disorders</i> , 2018, 33, 544-553.                          | 2.2 | 25        |
| 30 | Interpreting local visual features as a global shape requires awareness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2207-2215.                    | 1.2 | 21        |
| 31 | Experience Shapes the Utility of Natural Statistics for Perceptual Contour Integration. <i>Current Biology</i> , 2008, 18, 1162-1167.  | 1.8 | 20        |
| 32 | Flexible Learning of Natural Statistics in the Human Brain. <i>Journal of Neurophysiology</i> , 2009, 102, 1854-1867.  | 0.9 | 20        |
| 33 | Daily mixed visual experience that prevents amblyopia in cats does not always allow the development of good binocular depth perception. <i>Journal of Vision</i> , 2009, 9, 22-22. | 0.1 | 19        |
| 34 | Induction of Kanizsa Contours Requires Awareness of the Inducing Context. <i>PLoS ONE</i> , 2016, 11, e0161177.  | 1.1 | 19        |
| 35 | Protection against deprivation amblyopia depends on relative not absolute daily binocular exposure. <i>Journal of Vision</i> , 2011, 11, 13-13.                                    | 0.1 | 18        |
| 36 | Inferior Occipital Gyus Is Organized along Common Gradients of Spatial and Face-Part Selectivity. <i>Journal of Neuroscience</i> , 2021, 41, 5511-5521.                            | 1.7 | 16        |

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|----|---|-----|-----------|
| 37 | Mapping sequences can bias population receptive field estimates. <i>NeuroImage</i> , 2020, 211, 116636.   | 2.1 | 14        |
| 38 | Monocular deprivation reduces reliability of visual cortical responses to binocular disparity stimuli. <i>European Journal of Neuroscience</i> , 2007, 26, 3553-3563.         | 1.2 | 13        |
| 39 | We should have seen this coming. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 332.   | 1.0 | 13        |
| 40 | Feature location effects in the Thatcher illusion. <i>Journal of Vision</i> , 2018, 18, 16.   | 0.1 | 13        |
| 41 | Pattern classification using functional magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2011, 2, 568-579.                             | 1.4 | 12        |
| 42 | Topographic signatures of global object perception in human visual cortex. <i>NeuroImage</i> , 2020, 220, 116926.   | 2.1 | 12        |
| 43 | Investigating representations of facial identity in human ventral visual cortex with transcranial magnetic stimulation. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 50. | 1.0 | 11        |
| 44 | Where Is Size in the Brain of the Beholder?. <i>Multisensory Research</i> , 2015, 28, 285-296.  | 0.6 | 11        |
| 45 | Comparison of human population receptive field estimates between scanners and the effect of temporal filtering. <i>F1000Research</i> , 2019, 8, 1681.                         | 0.8 | 10        |
| 46 | Heritable functional architecture in human visual cortex. <i>NeuroImage</i> , 2021, 239, 118286.  | 2.1 | 9         |
| 47 | Investigating object representations during change detection in human extrastriate cortex. <i>European Journal of Neuroscience</i> , 2010, 32, 1780-1787.                     | 1.2 | 8         |
| 48 | Decoding of coherent but not incoherent motion signals in early dorsal visual cortex. <i>NeuroImage</i> , 2011, 56, 688-698.  | 2.1 | 7         |
| 49 | A new method for mapping perceptual biases across visual space. <i>Journal of Vision</i> , 2017, 17, 5.   | 0.1 | 7         |
| 50 | The human primary visual cortex (V1) encodes the perceived position of static but not moving objects. <i>Communications Biology</i> , 2022, 5, 181.                           | 2.0 | 7         |
| 51 | Brain Activity to Rely On?. <i>Science</i> , 2010, 327, 43-44.  | 6.0 | 6         |
| 52 | Population receptive field estimates for motion-defined stimuli. <i>NeuroImage</i> , 2019, 199, 245-260.  | 2.1 | 6         |
| 53 | Spatial Heterogeneity in Bistable Figure-Ground Perception. <i>I-Perception</i> , 2020, 11, 204166952096112.  | 0.8 | 6         |
| 54 | Gamma Frequency and the Spatial Tuning of Primary Visual Cortex. <i>PLoS ONE</i> , 2016, 11, e0157374.  | 1.1 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Highly accurate retinotopic maps of the physiological blind spot in human visual cortex. <i>Human Brain Mapping</i> , 2022, 43, 5111-5125.          | 1.9 | 6         |
| 56 | Size Perception Biases Are Temporally Stable and Vary Consistently Between Visual Field Meridians. <i>i-Perception</i> , 2019, 10, 204166951987872. | 0.8 | 5         |
| 57 | Altered visual population receptive fields in human albinism. <i>Cortex</i> , 2020, 128, 107-123.   | 1.1 | 4         |
| 58 | The optimal experimental design for multiple alternatives perceptual search. <i>Attention, Perception, and Psychophysics</i> , 2018, 80, 1962-1973. | 0.7 | 2         |
| 59 | Dissociable Processes for Orientation Discrimination Learning and Contextual Illusion Magnitude. <i>PLoS ONE</i> , 2014, 9, e103121.                | 1.1 | 1         |
| 60 | The red thread in the maze. <i>Cortex</i> , 2019, 113, 350-351.   | 1.1 | 1         |
| 61 | Attention and multisensory modulation argue against total encapsulation. <i>Behavioral and Brain Sciences</i> , 2016, 39, e237.                     | 0.4 | 1         |
| 62 | The topographic representation of global object perception in human visual cortex. <i>Journal of Vision</i> , 2017, 17, 747.                        | 0.1 | 1         |
| 63 | Heritability of visual perception and cortical architecture. <i>Journal of Vision</i> , 2017, 17, 792.  | 0.1 | 0         |
| 64 | The Ebbinghaus Illusion depends on Cortical Distance. <i>Journal of Vision</i> , 2020, 20, 225.   | 0.1 | 0         |