

# Noah C Benson

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,524  
citations

471061

17  
h-index

395343

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetries around the visual field: From retina to cortex to behavior. PLoS Computational Biology, 2022, 18, e1009771.	1.5	24
2	Crossed“uncrossed projections from primate retina are adapted to disparities of natural scenes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
3	Cortical magnification in human visual cortex parallels task performance around the visual field. ELife, 2021, 10, .	2.8	52
4	Cross-dataset reproducibility of human retinotopic maps. NeuroImage, 2021, 244, 118609.	2.1	34
5	A population receptive field model of the magnetoencephalography response. NeuroImage, 2021, 244, 118554.	2.1	1
6	A visual encoding model links magnetoencephalography signals to neural synchrony in human cortex. NeuroImage, 2021, 245, 118655.	2.1	3
7	Electrocorticography Evidence of Tactile Responses in Visual Cortices. Brain Topography, 2020, 33, 559-570.	0.8	8
8	A validation framework for neuroimaging software: The case of population receptive fields. PLoS Computational Biology, 2020, 16, e1007924.	1.5	32
9	Primary visual cortical thickness in correlation with visual field defects in patients with pituitary macroadenomas: a structural 7-Tesla retinotopic analysis. Journal of Neurosurgery, 2020, 133, 1371-1381.	0.9	10
10	The Open Cataclysmic Variable Catalog. Research Notes of the AAS, 2020, 4, 219.	0.3	3
11	Asymmetries around the visual field in human visual cortex. Journal of Vision, 2020, 20, 543.	0.1	0
12	Computational validity of neuroimaging software: the case of population receptive fields. Journal of Vision, 2020, 20, 341.	0.1	1
13	A validation framework for neuroimaging software: The case of population receptive fields. , 2020, 16, e1007924.		0
14	A validation framework for neuroimaging software: The case of population receptive fields. , 2020, 16, e1007924.		0
15	A validation framework for neuroimaging software: The case of population receptive fields. , 2020, 16, e1007924.		0
16	A validation framework for neuroimaging software: The case of population receptive fields. , 2020, 16, e1007924.		0
17	Predicting neuronal dynamics with a delayed gain control model. PLoS Computational Biology, 2019, 15, e1007484.	1.5	21
18	Using fMRI to link crowding to hV4. Journal of Vision, 2019, 19, 14a.	0.1	2

#	ARTICLE	IF	CITATIONS
19	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. <i>Journal of Vision</i> , 2019, 19, 79.	0.1	0
20	Surface area and cortical magnification of V1, V2, and V3 in a large sample of human observers. <i>Journal of Vision</i> , 2019, 19, 41a.	0.1	0
21	Heritability of V1/V2/V3 surface area in the HCP 7T Retinotopy Dataset. <i>Journal of Vision</i> , 2019, 19, 41b.	0.1	3
22	A model-based approach to link MEG responses to neuronal synchrony in visual cortex. <i>Journal of Vision</i> , 2019, 19, 211d.	0.1	1
23	Compressive Temporal Summation in Human Visual Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 691-709.	1.7	70
24	The Human Connectome Project 7 Tesla retinotopy dataset: Description and population receptive field analysis. <i>Journal of Vision</i> , 2018, 18, 23.	0.1	139
25	The HCP 7T Retinotopy Dataset: A new resource for investigating the organization of human visual cortex. <i>Journal of Vision</i> , 2018, 18, 215.	0.1	5
26	Conservation of crowding distance in human V4. <i>Journal of Vision</i> , 2018, 18, 856.	0.1	3
27	Bayesian analysis of retinotopic maps. <i>ELife</i> , 2018, 7, .	2.8	102
28	Mapping Spatial Frequency Preferences in the Human Visual Cortex. <i>Journal of Vision</i> , 2018, 18, 253.	0.1	1
29	An anatomically-defined template of BOLD response in V1-V3. <i>Journal of Vision</i> , 2017, 17, 585.	0.1	0
30	Conservation of crowding distance in human V4. <i>Journal of Vision</i> , 2017, 17, 19.	0.1	2
31	Toward a standard cortical observer. <i>Journal of Vision</i> , 2017, 17, 11.	0.1	1
32	Patterns of Individual Variation in Visual Pathway Structure and Function in the Sighted and Blind. <i>PLoS ONE</i> , 2016, 11, e0164677.	1.1	38
33	Temporal Summation and Adaptation in Human Visual Cortex. <i>Journal of Vision</i> , 2016, 16, 1228.	0.1	0
34	Template fitting to automatically derive V1-V3 retinotopy from inter-areal functional correlations. <i>Journal of Vision</i> , 2016, 16, 136.	0.1	0
35	Hierarchical and homotopic correlations of spontaneous neural activity within the visual cortex of the sighted and blind. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 25.	1.0	20
36	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. <i>Journal of Neuroscience</i> , 2015, 35, 12366-12382.	1.7	55

#	ARTICLE	IF	CITATIONS
37	Use of a prior to improving the retinotopic maps of individual subjects. <i>Journal of Vision</i> , 2015, 15, 584.	0.1	1
38	Correction of Distortion in Flattened Representations of the Cortical Surface Allows Prediction of V1-V3 Functional Organization from Anatomy. <i>PLoS Computational Biology</i> , 2014, 10, e1003538.	1.5	175
39	Unsupervised Learning of Cone Spectral Classes from Natural Images. <i>PLoS Computational Biology</i> , 2014, 10, e1003652.	1.5	20
40	The Fine-Scale Functional Correlation of Striate Cortex in Sighted and Blind People. <i>Journal of Neuroscience</i> , 2013, 33, 16209-16219.	1.7	63
41	A CHEMICAL GROUP GRAPH REPRESENTATION FOR EFFICIENT HIGH-THROUGHPUT ANALYSIS OF ATOMISTIC PROTEIN SIMULATIONS. <i>Journal of Bioinformatics and Computational Biology</i> , 2012, 10, 1250008.	0.3	21
42	The Retinotopic Organization of Striate Cortex Is Well Predicted by Surface Topology. <i>Current Biology</i> , 2012, 22, 2081-2085.	1.8	214
43	A Comparison of Multiscale Methods for the Analysis of Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 8722-8731.	1.2	81
44	Dynameomics: A Comprehensive Database of Protein Dynamics. <i>Structure</i> , 2010, 18, 423-435.	1.6	131
45	Dynameomics: Large-scale assessment of native protein flexibility. <i>Protein Science</i> , 2008, 17, 2038-2050.	3.1	61
46	Dynameomics: design of a computational lab workflow and scientific data repository for protein simulations. <i>Protein Engineering, Design and Selection</i> , 2008, 21, 369-377.	1.0	41