Noah C Benson

List of Publications by Year
in descending order

46 papers	1,524 citations	471509 17 h-index	395702 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.	3.2	24
2	Crossedâ€“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, .	7.1	14
3	Cortical magnification in human visual cortex parallels task performance around the visual field. ELife, 2021, 10, .	6.0	52
4	Cross-dataset reproducibility of human retinotopic maps. NeuroImage, 2021, 244, 118609.	4.2	34
5	A population receptive field model of the magnetoencephalography response. NeuroImage, 2021, 244, 118554.	4.2	1
6	A visual encoding model links magnetoencephalography signals to neural synchrony in human cortex. NeuroImage, 2021, 245, 118655.	4.2	3
7	Electrocorticography Evidence of Tactile Responses in Visual Cortices. Brain Topography, 2020, 33, 559-570.	1.8	8
8	A validation framework for neuroimaging software: The case of populationÂreceptive fields. PLoS Computational Biology, 2020, 16, e1007924.	3.2	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.	1.6	10
10	The Open Cataclysmic Variable Catalog. Research Notes of the AAS, 2020, 4, 219.	0.7	3
11	Asymmetries around the visual field in human visual cortex. Journal of Vision, 2020, 20, 543.	0.3	0
12	Computational validity of neuroimaging software: the case of population receptive fields. Journal of Vision, 2020, 20, 341.	0.3	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.	3.2	21
18	Using fMRI to link crowding to hV4. Journal of Vision, 2019, 19, 14a.	0.3	2

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19	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. Journal of Vision, 2019, 19, 79.	0.3	0
20	Surface area and cortical magnification of V1, V2, and V3 in a large sample of human observers. Journal of Vision, 2019, 19, 41a.	0.3	0
21	Heritability of V1/V2/V3 surface area in the HCP 7T Retinotopy Dataset. Journal of Vision, 2019, 19, 41b.	0.3	3
22	A model-based approach to link MEG responses to neuronal synchrony in visual cortex. Journal of Vision, 2019, 19, 211d.	0.3	1
23	Compressive Temporal Summation in Human Visual Cortex. Journal of Neuroscience, 2018, 38, 691-709.	3.6	70
24	The Human Connectome Project 7 Tesla retinotopy dataset: Description and population receptive field analysis. Journal of Vision, 2018, 18, 23.	0.3	139
25	The HCP 7T Retinotopy Dataset: A new resource for investigating the organization of human visual cortex. Journal of Vision, 2018, 18, 215.	0.3	5
26	Conservation of crowding distance in human V4. Journal of Vision, 2018, 18, 856.	0.3	3
27	Bayesian analysis of retinotopic maps. ELife, 2018, 7, .	6.0	102
28	Mapping Spatial Frequency Preferences in the Human Visual Cortex. Journal of Vision, 2018, 18, 253.	0.3	1
29	An anatomically-defined template of BOLD response in V1-V3. Journal of Vision, 2017, 17, 585.	0.3	0
30	Conservation of crowding distance in human V4. Journal of Vision, 2017, 17, 19.	0.3	2
31	Toward a standard cortical observer. Journal of Vision, 2017, 17, 11.	0.3	1
32	Patterns of Individual Variation in Visual Pathway Structure and Function in the Sighted and Blind. PLoS ONE, 2016, 11, e0164677.	2.5	38
33	Temporal Summation and Adaptation in Human Visual Cortex. Journal of Vision, 2016, 16, 1228.	0.3	0
34	Template fitting to automatically derive V1-V3 retinotopy from inter-areal functional correlations. Journal of Vision, 2016, 16, 136.	0.3	0
35	Hierarchical and homotopic correlations of spontaneous neural activity within the visual cortex of the sighted and blind. Frontiers in Human Neuroscience, 2015, 9, 25.	2.0	20
36	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. Journal of Neuroscience, 2015, 35, 12366-12382.	3.6	55

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37	Use of a prior to improving the retinotopic maps of individual subjects. Journal of Vision, 2015, 15, 584.	0.3	1
38	Correction of Distortion in Flattened Representations of the Cortical Surface Allows Prediction of V1-V3 Functional Organization from Anatomy. PLoS Computational Biology, 2014, 10, e1003538.	3.2	175
39	Unsupervised Learning of Cone Spectral Classes from Natural Images. PLoS Computational Biology, 2014, 10, e1003652.	3.2	20
40	The Fine-Scale Functional Correlation of Striate Cortex in Sighted and Blind People. Journal of Neuroscience, 2013, 33, 16209-16219.	3.6	63
41	A CHEMICAL GROUP GRAPH REPRESENTATION FOR EFFICIENT HIGH-THROUGHPUT ANALYSIS OF ATOMISTIC PROTEIN SIMULATIONS. Journal of Bioinformatics and Computational Biology, 2012, 10, 1250008.	0.8	21
42	The Retinotopic Organization of Striate Cortex Is Well Predicted by Surface Topology. Current Biology, 2012, 22, 2081-2085.	3.9	214
43	A Comparison of Multiscale Methods for the Analysis of Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2012, 116, 8722-8731.	2.6	81
44	Dynameomics: A Comprehensive Database of Protein Dynamics. Structure, 2010, 18, 423-435.	3.3	131
45	Dynameomics: Largeâ€scale assessment of native protein flexibility. Protein Science, 2008, 17, 2038-2050.	7.6	61
46	Dynameomics: design of a computational lab workflow and scientific data repository for protein simulations. Protein Engineering, Design and Selection, 2008, 21, 369-377.	2.1	41