

Cheryl A Olman

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

3,386
citations

361045

20
h-index

205818

48
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58
all docs

58
docs citations

58
times ranked

4632
citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligence, educational attainment, and brain structure in those at familial high risk for schizophrenia or bipolar disorder. <i>Human Brain Mapping</i> , 2022, 43, 414-430.	1.9	14
2	Aberrant Cortical Connectivity During Ambiguous Object Recognition Is Associated With Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 1193-1201.	1.1	12
3	Depth-dependent functional MRI responses to chromatic and achromatic stimuli throughout V1 and V2. <i>NeuroImage</i> , 2021, 226, 117520.	2.1	6
4	Reduced influence of perceptual context in schizophrenia: behavioral and neurophysiological evidence. <i>Psychological Medicine</i> , 2021, 51, 786-794.	2.7	26
5	Assessing methods for geometric distortion compensation in T2-weighted gradient echo functional MRI data. <i>Human Brain Mapping</i> , 2021, 42, 4205-4223.	1.9	14
6	The psychosis human connectome project: An overview. <i>NeuroImage</i> , 2021, 241, 118439.	2.1	23
7	Forging a path to mesoscopic imaging success with ultra-high field functional magnetic resonance imaging. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200040.	1.8	14
8	Self-reported perceptual aberrations in psychosis map to event-related potentials and semantic appraisals of objects. <i>Journal of Abnormal Psychology</i> , 2021, 130, 785-796.	2.0	4
9	Improved Simultaneous Multi-Slice Functional MRI Using Self-supervised Deep Learning. , 2021, , .		6
10	20-fold Accelerated 7T fMRI Using Referenceless Self-Supervised Deep Learning Reconstruction. , 2021, 2021, 3765-3769.		10
11	10.5T MRI static field effects on human cognitive, vestibular, and physiological function. <i>Magnetic Resonance Imaging</i> , 2020, 73, 163-176.	1.0	23
12	Generative Feedback Explains Distinct Brain Activity Codes for Seen and Mental Images. <i>Current Biology</i> , 2020, 30, 2211-2224.e6.	1.8	56
13	Perceptual Mechanisms of Visual Hallucinations and Illusions in Psychosis. <i>Journal of Psychiatry and Brain Science</i> , 2020, 5, .	0.3	1
14	Cortical Correlates of Attention to Auditory Features. <i>Journal of Neuroscience</i> , 2019, 39, 3292-3300.	1.7	8
15	Fragmented ambiguous objects: Stimuli with stable low-level features for object recognition tasks. <i>PLoS ONE</i> , 2019, 14, e0215306.	1.1	6
16	Brain imaging with improved acceleration and SNR at 7 Tesla obtained with 64-channel receive array. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 495-509.	1.9	53
17	Hemifield columns co-opt ocular dominance column structure in human achiasma. <i>NeuroImage</i> , 2018, 164, 59-66.	2.1	16
18	Relationship Between Iterative Visual Processing Deficits and Psychotic Symptoms. <i>Journal of Vision</i> , 2018, 18, 33.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Representations of Pitch and Timbre Variation in Human Auditory Cortex. <i>Journal of Neuroscience</i> , 2017, 37, 1284-1293.	1.7	73
20	Building a better model of V1. <i>Journal of Vision</i> , 2017, 17, 780.	0.1	2
21	The effects of orientation and attention during surround suppression of small image features: A 7 Tesla fMRI study. <i>Journal of Vision</i> , 2016, 16, 19.	0.1	21
22	Responses in early visual areas to contour integration are context dependent. <i>Journal of Vision</i> , 2016, 16, 19.	0.1	14
23	Neuroimaging in Psychiatry. , 2016, , 881-917.		1
24	Reduced contextual effects on visual contrast perception in schizophrenia and bipolar affective disorder. <i>Psychological Medicine</i> , 2015, 45, 3527-3537.	2.7	45
25	What insights can fMRI offer into the structure and function of mid-tier visual areas?. <i>Visual Neuroscience</i> , 2015, 32, E015.	0.5	3
26	Scene coherence can affect the local response to natural images in human V1. <i>European Journal of Neuroscience</i> , 2015, 42, 2895-2903.	1.2	7
27	A voxel-wise encoding model for early visual areas decodes mental images of remembered scenes. <i>NeuroImage</i> , 2015, 105, 215-228.	2.1	252
28	Larger neural responses produce BOLD signals that begin earlier in time. <i>Frontiers in Neuroscience</i> , 2014, 8, 159.	1.4	17
29	Regions of Mid-level Human Visual Cortex Sensitive to the Global Coherence of Local Image Patches. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 1764-1774.	1.1	4
30	Neural correlates of preparatory and regulatory control over positive and negative emotion. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 494-504.	1.5	44
31	Consequences of polar form coherence for fMRI responses in human visual cortex. <i>NeuroImage</i> , 2013, 78, 152-158.	2.1	10
32	Segmentation decreases the magnitude of the tilt illusion. <i>Journal of Vision</i> , 2013, 13, 19-19.	0.1	15
33	Abnormal Contextual Modulation of Visual Contour Detection in Patients with Schizophrenia. <i>PLoS ONE</i> , 2013, 8, e68090.	1.1	35
34	Selective BOLD responses to individual finger movement measured with fMRI at 3T. <i>Human Brain Mapping</i> , 2012, 33, 1594-1606.	1.9	47
35	Evidence for intact local connectivity but disrupted regional function in the occipital lobe in children and adolescents with schizophrenia. <i>Human Brain Mapping</i> , 2012, 33, 1803-1811.	1.9	13
36	Layer-Specific fMRI Reflects Different Neuronal Computations at Different Depths in Human V1. <i>PLoS ONE</i> , 2012, 7, e32536.	1.1	172

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37	Contrast Response Functions for Single Gabor Patches: ROI-Based Analysis Over-Represents Low-Contrast Patches for GE BOLD. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 19.	1.2	14
38	An exploration of the spatial scale over which orientation-dependent surround effects affect contour detection. <i>Journal of Vision</i> , 2011, 11, 12-12.	0.1	10
39	High-Field fMRI for Human Applications: An Overview of Spatial Resolution and Signal Specificity. <i>Open Neuroimaging Journal</i> , 2011, 5, 74-89.	0.2	40
40	Retinotopic mapping with spin echo BOLD at 7T. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1258-1269.	1.0	45
41	High-resolution BOLD fMRI measurements of local orientation-dependent contextual modulation show a mismatch between predicted V1 output and local BOLD response. <i>Vision Research</i> , 2010, 50, 1214-1224.	0.7	7
42	Multiband multislice GE-EPI at 7 tesla, with 16-fold acceleration using partial parallel imaging with application to high spatial and temporal whole-brain fMRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1144-1153.	1.9	1,329
43	Distortion and Signal Loss in Medial Temporal Lobe. <i>PLoS ONE</i> , 2009, 4, e8160.	1.1	112
44	Metabolic and Hemodynamic Events after Changes in Neuronal Activity: Current Hypotheses, Theoretical Predictions and <i>in vivo</i> NMR Experimental Findings. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 441-463.	2.4	143
45	T1 weighted brain images at 7 Tesla unbiased for Proton Density, T2 contrast and RF coil receive B1 sensitivity with simultaneous vessel visualization. <i>NeuroImage</i> , 2009, 46, 432-446.	2.1	260
46	Neuroimaging in Psychiatry. , 2008, , 695-723.		0
47	The effect of large veins on spatial localization with GE BOLD at 3T: Displacement, not blurring. <i>NeuroImage</i> , 2007, 34, 1126-1135.	2.1	93
48	Spatially Specific fMRI Repetition Effects in Human Visual Cortex. <i>Journal of Neurophysiology</i> , 2006, 95, 2439-2445.	0.9	36
49	Classification objects, ideal observers & generative models. <i>Cognitive Science</i> , 2004, 28, 227-239.	0.8	13
50	BOLD fMRI and psychophysical measurements of contrast response to broadband images. <i>Vision Research</i> , 2004, 44, 669-683.	0.7	76
51	Spatial relationship between neuronal activity and BOLD functional MRI. <i>NeuroImage</i> , 2004, 21, 876-885.	2.1	108
52	Classification objects, ideal observers & generative models. <i>Cognitive Science</i> , 2004, 28, 227-239.	0.8	7
53	Retinotopic mapping in cat visual cortex using high-field functional magnetic resonance imaging. <i>Journal of Neuroscience Methods</i> , 2003, 131, 161-170.	1.3	21