

Radoslaw Martin Cichy

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,793
citations

304368

22
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182168

51
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all docs

84
docs citations

84
times ranked

2884
citing authors

#	ARTICLE	IF	CITATIONS
1	Semantic scene-object consistency modulates N300/400 EEG components, but does not automatically facilitate object representations. <i>Cerebral Cortex</i> , 2022, 32, 3553-3567.	1.6	6
2	Modelling brain representations of abstract concepts. <i>PLoS Computational Biology</i> , 2022, 18, e1009837.	1.5	4
3	The spatiotemporal neural dynamics of object location representations in the human brain. <i>Nature Human Behaviour</i> , 2022, 6, 796-811.	6.2	21
4	Time-resolved multivariate pattern analysis of infant EEG data: A practical tutorial. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101094.	1.9	13
5	Resolving the time course of visual and auditory object categorization. <i>Journal of Neurophysiology</i> , 2022, 127, 1622-1628.	0.9	6
6	Unraveling Representations in Scene-selective Brain Regions Using Scene-Parsing Deep Neural Networks. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2032-2043.	1.1	11
7	Representational Content of Oscillatory Brain Activity during Object Recognition: Contrasting Cortical and Deep Neural Network Hierarchies. <i>ENeuro</i> , 2021, 8, ENEURO.0362-20.2021.	0.9	4
8	Unveiling functions of the visual cortex using task-specific deep neural networks. <i>PLoS Computational Biology</i> , 2021, 17, e1009267.	1.5	31
9	Theta power and theta-gamma coupling during formation of novel representations in the infant brain. <i>Journal of Vision</i> , 2021, 21, 2528.	0.1	0
10	Perceived and mentally rotated contents are differentially represented in cortical depth of V1. <i>Communications Biology</i> , 2021, 4, 1069.	2.0	17
11	Coherent natural scene structure facilitates the extraction of task-relevant object information in visual cortex. <i>NeuroImage</i> , 2021, 240, 118365.	2.1	4
12	Temporal uncertainty enhances suppression of neural responses to predictable visual stimuli. <i>NeuroImage</i> , 2021, 239, 118314.	2.1	4
13	Dissociable Components of Information Encoding in Human Perception. <i>Cerebral Cortex</i> , 2021, 31, 5664-5675.	1.6	6
14	Parts and Wholes in Scene Processing. <i>Journal of Cognitive Neuroscience</i> , 2021, 34, 4-15.	1.1	8
15	Temporal dynamics of visual representations in the infant brain. <i>Developmental Cognitive Neuroscience</i> , 2020, 45, 100860.	1.9	13
16	Visual Imagery and Perception Share Neural Representations in the Alpha Frequency Band. <i>Current Biology</i> , 2020, 30, 2621-2627.e5.	1.8	83
17	A M/EEG-fMRI Fusion Primer: Resolving Human Brain Responses in Space and Time. <i>Neuron</i> , 2020, 107, 772-781.	3.8	68
18	Rapid contextualization of fragmented scene information in the human visual system. <i>NeuroImage</i> , 2020, 219, 117045.	2.1	12

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19	Real-world structure facilitates the rapid emergence of scene category information in visual brain signals. <i>Journal of Neurophysiology</i> , 2020, 124, 145-151.	0.9	16
20	Cortical sensitivity to natural scene structure. <i>Human Brain Mapping</i> , 2020, 41, 1286-1295.	1.9	27
21	Duality Diagram Similarity: A Generic Framework for Initialization Selection in Task Transfer Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 497-513.	1.0	8
22	Perceived and mentally rotated contents are differentially represented in cortical layers of V1. <i>Journal of Vision</i> , 2020, 20, 766.	0.1	1
23	Reliability and Generalizability of Similarity-Based Fusion of MEG and fMRI Data in Human Ventral and Dorsal Visual Streams. <i>Vision (Switzerland)</i> , 2019, 3, 8.	0.5	19
24	Object Vision in a Structured World. <i>Trends in Cognitive Sciences</i> , 2019, 23, 672-685.	4.0	99
25	The spatiotemporal neural dynamics underlying perceived similarity for real-world objects. <i>NeuroImage</i> , 2019, 194, 12-24.	2.1	48
26	The Neural Dynamics of Familiar Face Recognition. <i>Cerebral Cortex</i> , 2019, 29, 4775-4784.	1.6	22
27	Deep Neural Networks as Scientific Models. <i>Trends in Cognitive Sciences</i> , 2019, 23, 305-317.	4.0	254
28	The Algonauts Project. <i>Nature Machine Intelligence</i> , 2019, 1, 613-613.	8.3	6
29	Recurrence is required to capture the representational dynamics of the human visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21854-21863.	3.3	266
30	A neural mechanism for contextualizing fragmented inputs during naturalistic vision. <i>ELife</i> , 2019, 8, .	2.8	21
31	Spatial schemata determine cortical representations of the environment. <i>Journal of Vision</i> , 2019, 19, 250a.	0.1	0
32	Scene Clutter and Attention Differentially Affect Object Category and Location Representations. <i>Journal of Vision</i> , 2019, 19, 171a.	0.1	1
33	Multivariate pattern analysis for MEG: A comparison of dissimilarity measures. <i>NeuroImage</i> , 2018, 173, 434-447.	2.1	122
34	Decoding the orientation of contrast edges from MEG evoked and induced responses. <i>NeuroImage</i> , 2018, 180, 267-279.	2.1	40
35	The representational dynamics of task and object processing in humans. <i>ELife</i> , 2018, 7, .	2.8	121
36	Typical visual-field locations enhance processing in object-selective channels of human occipital cortex. <i>Journal of Neurophysiology</i> , 2018, 120, 848-853.	0.9	23

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37	Typical visual-field locations facilitate access to awareness for everyday objects. <i>Cognition</i> , 2018, 180, 118-122.	1.1	11
38	Scale-specific analysis of fMRI data on the irregular cortical surface. <i>NeuroImage</i> , 2018, 181, 370-381.	2.1	0
39	Ultra-Rapid serial visual presentation reveals dynamics of feedforward and feedback processes in the ventral visual pathway. <i>ELife</i> , 2018, 7, .	2.8	86
40	Typical retinotopic locations impact the time course of object coding. <i>NeuroImage</i> , 2018, 176, 372-379.	2.1	19
41	Finding decodable information that can be read out in behaviour. <i>NeuroImage</i> , 2018, 179, 252-262.	2.1	60
42	Tracking the Spatiotemporal Neural Dynamics of Real-world Object Size and Animacy in the Human Brain. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1559-1576.	1.1	36
43	Deep convolutional neural networks, features, and categories perform similarly at explaining primate high-level visual representations. , 2018, , .		10
44	Tracking tactile braille brain responses in space and time. <i>Journal of Vision</i> , 2018, 18, 1225.	0.1	0
45	The Time Courses of Object Category and Location Representations in the Human Brain Depend on Clutter. <i>Journal of Vision</i> , 2018, 18, 1150.	0.1	0
46	Dynamics of scene representations in the human brain revealed by magnetoencephalography and deep neural networks. <i>NeuroImage</i> , 2017, 153, 346-358.	2.1	146
47	Resolving the neural dynamics of visual and auditory scene processing in the human brain: a methodological approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160108.	1.8	31
48	Multivariate pattern analysis of MEG and EEG: A comparison of representational structure in time and space. <i>NeuroImage</i> , 2017, 158, 441-454.	2.1	98
49	Spatiotemporal dynamics of braille letter perception in blind readers. <i>Journal of Vision</i> , 2017, 17, 358.	0.1	1
50	Categorical selectivity in the visual pathway revealed by fMRI in awake macaques. <i>Journal of Vision</i> , 2017, 17, 231.	0.1	0
51	Multivariate pattern analysis of MEG and EEG reveals the dynamics of human object processing. <i>Journal of Vision</i> , 2017, 17, 479.	0.1	0
52	Characterizing the spatio-temporal dynamics of behavior-related neural activity during human visual object perception. <i>Journal of Vision</i> , 2017, 17, 1341.	0.1	1
53	Combining human MEG and fMRI data reveals the spatio-temporal dynamics of animacy and real-world object size. <i>Journal of Vision</i> , 2017, 17, 574.	0.1	1
54	Oscillatory signatures of object recognition across cortical space and time.. <i>Journal of Vision</i> , 2017, 17, 1346.	0.1	0

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55	Similarity-Based Fusion of MEG and fMRI Reveals Spatio-Temporal Dynamics in Human Cortex During Visual Object Recognition. <i>Cerebral Cortex</i> , 2016, 26, 3563-3579.	1.6	138
56	Achim Stephan, Sven Walter (Eds.), <i>Handbuch Kognitionswissenschaft. Phenomenology and the Cognitive Sciences</i> , 2016, 15, 461-466.	1.1	0
57	Comparison of deep neural networks to spatio-temporal cortical dynamics of human visual object recognition reveals hierarchical correspondence. <i>Scientific Reports</i> , 2016, 6, 27755.	1.6	510
58	Neurodynamics of visual and auditory scene size representations. <i>Journal of Vision</i> , 2016, 16, 571.	0.1	0
59	Visual features versus categories: Explaining object representations in primate IT and deep neural networks with weighted representational modeling. <i>Journal of Vision</i> , 2016, 16, 511.	0.1	1
60	Parietal and early visual cortices encode working memory content across mental transformations. <i>NeuroImage</i> , 2015, 106, 198-206.	2.1	78
61	Non-holistic coding of objects in lateral occipital complex with and without attention. <i>NeuroImage</i> , 2015, 107, 356-363.	2.1	11
62	Spatial attention enhances object coding in local and distributed representations of the lateral occipital complex. <i>NeuroImage</i> , 2015, 116, 149-157.	2.1	13
63	Can visual information encoded in cortical columns be decoded from magnetoencephalography data in humans?. <i>NeuroImage</i> , 2015, 121, 193-204.	2.1	80
64	The effects of recurrent dynamics on ventral-stream representational geometry. <i>Journal of Vision</i> , 2015, 15, 1089.	0.1	2
65	The neural dynamics of letter perception in blind and sighted readers. <i>Journal of Vision</i> , 2015, 15, 126.	0.1	1
66	Resolving human object recognition in space and time. <i>Nature Neuroscience</i> , 2014, 17, 455-462.	7.1	654
67	The Neural Code for Face Orientation in the Human Fusiform Face Area. <i>Journal of Neuroscience</i> , 2014, 34, 12155-12167.	1.7	51
68	Probing principles of large-scale object representation: Category preference and location encoding. <i>Human Brain Mapping</i> , 2013, 34, 1636-1651.	1.9	35
69	Imagery and Perception Share Cortical Representations of Content and Location. <i>Cerebral Cortex</i> , 2012, 22, 372-380.	1.6	175
70	Encoding the identity and location of objects in human LOC. <i>NeuroImage</i> , 2011, 54, 2297-2307.	2.1	111
71	Transcranial cortex stimulation and fMRI: Electrophysiological correlates of dual-pulse BOLD signal modulation. <i>NeuroImage</i> , 2008, 40, 631-643.	2.1	12