Radoslaw Martin Cichy

List of Publications by Year
in descending order

71 papers	3,793 citations	304368 22 h-index	182168 51 g-index
84 all docs	84 docs citations	84 times ranked	2884 citing authors

#	Article	IF	Citations
1	Resolving human object recognition in space and time. Nature Neuroscience, 2014, 17, 455-462.	7.1	654
2	Comparison of deep neural networks to spatio-temporal cortical dynamics of human visual object recognition reveals hierarchical correspondence. Scientific Reports, 2016, 6, 27755.	1.6	510
3	Recurrence is required to capture the representational dynamics of the human visual system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21854-21863.	3.3	266
4	Deep Neural Networks as Scientific Models. Trends in Cognitive Sciences, 2019, 23, 305-317.	4.0	254
5	Imagery and Perception Share Cortical Representations of Content and Location. Cerebral Cortex, 2012, 22, 372-380.	1.6	175
6	Dynamics of scene representations in the human brain revealed by magnetoencephalography and deep neural networks. NeuroImage, 2017, 153, 346-358.	2.1	146
7	Similarity-Based Fusion of MEG and fMRI Reveals Spatio-Temporal Dynamics in Human Cortex During Visual Object Recognition. Cerebral Cortex, 2016, 26, 3563-3579.	1.6	138
8	Multivariate pattern analysis for MEG: A comparison of dissimilarity measures. NeuroImage, 2018, 173, 434-447.	2.1	122
9	The representational dynamics of task and object processing in humans. ELife, 2018, 7, .	2.8	121
10	Encoding the identity and location of objects in human LOC. NeuroImage, 2011, 54, 2297-2307.	2.1	111
11	Object Vision in a Structured World. Trends in Cognitive Sciences, 2019, 23, 672-685.	4.0	99
12	Multivariate pattern analysis of MEG and EEG: A comparison of representational structure in time and space. NeuroImage, 2017, 158, 441-454.	2.1	98
13	Ultra-Rapid serial visual presentation reveals dynamics of feedforward and feedback processes in the ventral visual pathway. ELife, 2018, 7, .	2.8	86
14	Visual Imagery and Perception Share Neural Representations in the Alpha Frequency Band. Current Biology, 2020, 30, 2621-2627.e5.	1.8	83
15	Can visual information encoded in cortical columns be decoded from magnetoencephalography data in humans?. NeuroImage, 2015, 121, 193-204.	2.1	80
16	Parietal and early visual cortices encode working memory content across mental transformations. NeuroImage, 2015, 106, 198-206.	2.1	78
17	A M/EEG-fMRI Fusion Primer: Resolving Human Brain Responses in Space and Time. Neuron, 2020, 107, 772-781.	3.8	68
18	Finding decodable information that can be read out in behaviour. NeuroImage, 2018, 179, 252-262.	2.1	60

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19	The Neural Code for Face Orientation in the Human Fusiform Face Area. Journal of Neuroscience, 2014, 34, 12155-12167.	1.7	51
20	The spatiotemporal neural dynamics underlying perceived similarity for real-world objects. NeuroImage, 2019, 194, 12-24.	2.1	48
21	Decoding the orientation of contrast edges from MEG evoked and induced responses. NeuroImage, 2018, 180, 267-279.	2.1	40
22	Tracking the Spatiotemporal Neural Dynamics of Real-world Object Size and Animacy in the Human Brain. Journal of Cognitive Neuroscience, 2018, 30, 1559-1576.	1.1	36
23	Probing principles of largeâ€scale object representation: Category preference and location encoding. Human Brain Mapping, 2013, 34, 1636-1651.	1.9	35
24	Resolving the neural dynamics of visual and auditory scene processing in the human brain: a methodological approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160108.	1.8	31
25	Unveiling functions of the visual cortex using task-specific deep neural networks. PLoS Computational Biology, 2021, 17, e1009267.	1.5	31
26	Cortical sensitivity to natural scene structure. Human Brain Mapping, 2020, 41, 1286-1295.	1.9	27
27	Typical visual-field locations enhance processing in object-selective channels of human occipital cortex. Journal of Neurophysiology, 2018, 120, 848-853.	0.9	23
28	The Neural Dynamics of Familiar Face Recognition. Cerebral Cortex, 2019, 29, 4775-4784.	1.6	22
29	A neural mechanism for contextualizing fragmented inputs during naturalistic vision. ELife, 2019, 8, .	2.8	21
30	The spatiotemporal neural dynamics of object location representations in the human brain. Nature Human Behaviour, 2022, 6, 796-811.	6.2	21
31	Typical retinotopic locations impact the time course of object coding. NeuroImage, 2018, 176, 372-379.	2.1	19
32	Reliability and Generalizability of Similarity-Based Fusion of MEG and fMRI Data in Human Ventral and Dorsal Visual Streams. Vision (Switzerland), 2019, 3, 8.	0.5	19
33	Perceived and mentally rotated contents are differentially represented in cortical depth of V1. Communications Biology, 2021, 4, 1069.	2.0	17
34	Real-world structure facilitates the rapid emergence of scene category information in visual brain signals. Journal of Neurophysiology, 2020, 124, 145-151.	0.9	16
35	Spatial attention enhances object coding in local and distributed representations of the lateral occipital complex. NeuroImage, 2015, 116, 149-157.	2.1	13
36	Temporal dynamics of visual representations in the infant brain. Developmental Cognitive Neuroscience, 2020, 45, 100860.	1.9	13

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37	Time-resolved multivariate pattern analysis of infant EEG data: A practical tutorial. Developmental Cognitive Neuroscience, 2022, 54, 101094.	1.9	13
38	Transcranial cortex stimulation and fMRI: Electrophysiological correlates of dual-pulse BOLD signal modulation. NeuroImage, 2008, 40, 631-643.	2.1	12
39	Rapid contextualization of fragmented scene information in the human visual system. NeuroImage, 2020, 219, 117045.	2.1	12
40	Non-holistic coding of objects in lateral occipital complex with and without attention. NeuroImage, 2015, 107, 356-363.	2.1	11
41	Typical visual-field locations facilitate access to awareness for everyday objects. Cognition, 2018, 180, 118-122.	1.1	11
42	Unraveling Representations in Scene-selective Brain Regions Using Scene-Parsing Deep Neural Networks. Journal of Cognitive Neuroscience, 2021, 33, 2032-2043.	1.1	11
43	Deep convolutional neural networks, features, and categories perform similarly at explaining primate high-level visual representations. , 2018, , .		10
44	Duality Diagram Similarity: A Generic Framework for Initialization Selection in Task Transfer Learning. Lecture Notes in Computer Science, 2020, , 497-513.	1.0	8
45	Parts and Wholes in Scene Processing. Journal of Cognitive Neuroscience, 2021, 34, 4-15.	1.1	8
46	The Algonauts Project. Nature Machine Intelligence, 2019, 1, 613-613.	8.3	6
47	Dissociable Components of Information Encoding in Human Perception. Cerebral Cortex, 2021, 31, 5664-5675.	1.6	6
48	Semantic scene-object consistency modulates N300/400 EEG components, but does not automatically facilitate object representations. Cerebral Cortex, 2022, 32, 3553-3567.	1.6	6
49	Resolving the time course of visual and auditory object categorization. Journal of Neurophysiology, 2022, 127, 1622-1628.	0.9	6
50	Representational Content of Oscillatory Brain Activity during Object Recognition: Contrasting Cortical and Deep Neural Network Hierarchies. ENeuro, 2021, 8, ENEURO.0362-20.2021.	0.9	4
51	Coherent natural scene structure facilitates the extraction of task-relevant object information in visual cortex. NeuroImage, 2021, 240, 118365.	2.1	4
52	Temporal uncertainty enhances suppression of neural responses to predictable visual stimuli. NeuroImage, 2021, 239, 118314.	2.1	4
53	Modelling brain representations of abstract concepts. PLoS Computational Biology, 2022, 18, e1009837.	1.5	4
54	The effects of recurrent dynamics on ventral-stream representational geometry. Journal of Vision, 2015, 15, 1089.	0.1	2

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55	The neural dynamics of letter perception in blind and sighted readers. Journal of Vision, 2015, 15, 126.	0.1	1
56	Visual features versus categories: Explaining object representations in primate IT and deep neural networks with weighted representational modeling. Journal of Vision, 2016, 16, 511.	0.1	1
57	Spatiotemporal dynamics of braille letter perception in blind readers. Journal of Vision, 2017, 17, 358.	0.1	1
58	Characterizing the spatio-temporal dynamics of behavior-related neural activity during human visual object perception. Journal of Vision, 2017, 17, 1341.	0.1	1
59	Combining human MEG and fMRI data reveals the spatio-temporal dynamics of animacy and real-world object size. Journal of Vision, 2017, 17, 574.	0.1	1
60	Scene Clutter and Attention Differentially Affect Object Category and Location Representations. Journal of Vision, 2019, 19, 171a.	0.1	1
61	Perceived and mentally rotated contents are differentially represented in cortical layers of V1. Journal of Vision, 2020, 20, 766.	0.1	1
62	Achim Stephan, Sven Walter (Eds.), Handbuch Kognitionswissenschaft. Phenomenology and the Cognitive Sciences, 2016, 15, 461-466.	1.1	0
63	Scale-specific analysis of fMRI data on the irregular cortical surface. NeuroImage, 2018, 181, 370-381.	2.1	0
64	Theta power and theta-gamma coupling during formation of novel representations in the infant brain. Journal of Vision, 2021, 21, 2528.	0.1	0
65	Spatial schemata determine cortical representations of the environment. Journal of Vision, 2019, 19, 250a.	0.1	0
66	Neurodynamics of visual and auditory scene size representations. Journal of Vision, 2016, 16, 571.	0.1	0
67	Categorical selectivity in the visual pathway revealed by fMRI in awake macaques. Journal of Vision, 2017, 17, 231.	0.1	0
68	Multivariate pattern analysis of MEG and EEG reveals the dynamics of human object processing. Journal of Vision, 2017, 17, 479.	0.1	0
69	Oscillatory signatures of object recognition across cortical space and time.. Journal of Vision, 2017, 17, 1346.	0.1	0
70	Tracking tactile braille brain responses in space and time. Journal of Vision, 2018, 18, 1225.	0.1	0
71	The Time Courses of Object Category and Location Representations in the Human Brain Depend on Clutter. Journal of Vision, 2018, 18, 1150.	0.1	0