

Yaroslav O Halchenko

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

10,231
citations

24
h-index

70
g-index

70
ext. papers

17,211
ext. citations

7.1
avg, IF

5.47
L-index

#	Paper	IF	Citations
57	Microscopy-BIDS: An Extension to the Brain Imaging Data Structure for Microscopy Data.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 871228	5.1	0
56	Protocol for a machine learning algorithm predicting depressive disorders using the T1w/T2w ratio.. <i>MethodsX</i> , 2021 , 8, 101595	1.9	1
55	A multimodal cell census and atlas of the mammalian primary motor cortex. <i>Nature</i> , 2021 , 598, 86-102	50.4	44
54	The OpenNeuro resource for sharing of neuroscience data. <i>ELife</i> , 2021 , 10,	8.9	17
53	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , 2021 , 109, 1769-1775	13.9	10
52	DataLad: distributed system for joint management of code, data, and their relationship. <i>Journal of Open Source Software</i> , 2021 , 6, 3262	5.2	15
51	In defense of decentralized research data management. <i>Neuroforum</i> , 2021 ,	0.7	5
50	The "Narratives" fMRI dataset for evaluating models of naturalistic language comprehension. <i>Scientific Data</i> , 2021 , 8, 250	8.2	2
49	Aberrant levels of cortical myelin distinguish individuals with depressive disorders from healthy controls. <i>NeuroImage: Clinical</i> , 2021 , 32, 102790	5.3	2
48	Analysis of task-based functional MRI data preprocessed with fMRIPrep. <i>Nature Protocols</i> , 2020 , 15, 2186-2202	23	
47	SciPy 1.0: fundamental algorithms for scientific computing in Python. <i>Nature Methods</i> , 2020 , 17, 261-272	21.6	6244
46	A new virtue of phantom MRI data: explaining variance in human participant data. <i>F1000Research</i> , 2020 , 9, 1131	3.6	2
45	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , 2019 , 13, 1	3.9	42
44	PyBIDS: Python tools for BIDS datasets. <i>Journal of Open Source Software</i> , 2019 , 4,	5.2	13
43	multimatch-gaze: The MultiMatch algorithm for gaze path comparison in Python. <i>Journal of Open Source Software</i> , 2019 , 4, 1525	5.2	4
42	Neural Responses to Naturalistic Clips of Behaving Animals in Two Different Task Contexts. <i>Frontiers in Neuroscience</i> , 2018 , 12, 316	5.1	7
41	Toward standard practices for sharing computer code and programs in neuroscience. <i>Nature Neuroscience</i> , 2017 , 20, 770-773	25.5	56

40	The neural representation of personally familiar and unfamiliar faces in the distributed system for face perception. <i>Scientific Reports</i> , 2017 , 7, 12237	4.9	51
39	Attention Selectively Reshapes the Geometry of Distributed Semantic Representation. <i>Cerebral Cortex</i> , 2017 , 27, 4277-4291	5.1	60
38	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , 2017 , 6, 124	3.6	11
37	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , 2017 , 6, 124	3.6	10
36	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , 2016 , 3, 160044	8.2	510
35	To the Cloud! A Grassroots Proposal to Accelerate Brain Science Discovery. <i>Neuron</i> , 2016 , 92, 622-627	13.9	34
34	A Model of Representational Spaces in Human Cortex. <i>Cerebral Cortex</i> , 2016 , 26, 2919-2934	5.1	119
33	How the Human Brain Represents Perceived Dangerousness or "Predacity" of Animals. <i>Journal of Neuroscience</i> , 2016 , 36, 5373-84	6.6	36
32	Cross-modal searchlight classification: methodological challenges and recommended solutions 2016 ,		2
31	The animacy continuum in the human ventral vision pathway. <i>Journal of Cognitive Neuroscience</i> , 2015 , 27, 665-78	3.1	93
30	Four aspects to make science open "by design" and not as an after-thought. <i>GigaScience</i> , 2015 , 4, 31	7.6	6
29	A communication hub for a decentralized collaboration on studying real-life cognition. <i>F1000Research</i> , 2015 , 4, 62	3.6	1
28	Pattern classification precedes region-average hemodynamic response in early visual cortex. <i>NeuroImage</i> , 2013 , 78, 249-60	7.9	17
27	Processing of invisible social cues. <i>Consciousness and Cognition</i> , 2013 , 22, 765-70	2.6	25
26	Prioritized Detection of Personally Familiar Faces. <i>PLoS ONE</i> , 2013 , 8, e66620	3.7	63
25	Open is Not Enough. Let's Take the Next Step: An Integrated, Community-Driven Computing Platform for Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2012 , 6, 22	3.9	77
24	The representation of biological classes in the human brain. <i>Journal of Neuroscience</i> , 2012 , 32, 2608-18	6.6	272
23	Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , 2012 , 6, 9	3.9	171

22	A common, high-dimensional model of the representational space in human ventral temporal cortex. <i>Neuron</i> , 2011 , 72, 404-16	13.9	381
21	Neuroscience Runs on GNU/Linux. <i>Frontiers in Neuroinformatics</i> , 2011 , 5, 8	3.9	33
20	Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in python. <i>Frontiers in Neuroinformatics</i> , 2011 , 5, 13	3.9	737
19	Statistical learning analysis in neuroscience: aiming for transparency. <i>Frontiers in Neuroscience</i> , 2010 , 4, 38	5.1	12
18	Six problems for causal inference from fMRI. <i>NeuroImage</i> , 2010 , 49, 1545-58	7.9	220
17	PyMVPA: A Unifying Approach to the Analysis of Neuroscientific Data. <i>Frontiers in Neuroinformatics</i> , 2009 , 3, 3	3.9	89
16	Decoding the large-scale structure of brain function by classifying mental States across individuals. <i>Psychological Science</i> , 2009 , 20, 1364-72	7.9	206
15	PyMVPA: A python toolbox for multivariate pattern analysis of fMRI data. <i>Neuroinformatics</i> , 2009 , 7, 37-53	3.2	322
14	Brain reading using full brain support vector machines for object recognition: there is no "face" identification area. <i>Neural Computation</i> , 2008 , 20, 486-503	2.9	84
13	Bottom-up and top-down brain functional connectivity underlying comprehension of everyday visual action. <i>Brain Structure and Function</i> , 2007 , 212, 231-44	4	14
12	Dense mode clustering in brain maps. <i>Magnetic Resonance Imaging</i> , 2007 , 25, 1249-62	3.3	5
11	Multimodal Integration. <i>Signal Processing and Communications</i> , 2005 , 223-265		11
10	The Open Brain Consent: Informing research participants and obtaining consent to share brain imaging data		5
9	The Brain Imaging Data Structure: a standard for organizing and describing outputs of neuroimaging experiments		5
8	Towards standard practices for sharing computer code and programs in neuroscience		4
7	Attention selectively reshapes the geometry of distributed semantic representation		1
6	A multimodal cell census and atlas of the mammalian primary motor cortex		12
5	Narratives: fMRI data for evaluating models of naturalistic language comprehension		7

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- 3 OpenNeuro: An open resource for sharing of neuroimaging data 8
- 2 TemplateFlow: a community archive of imaging templates and atlases for improved consistency in neuroimaging
- 1 TemplateFlow: FAIR-sharing of multi-scale, multi-species brain models 4