

Arno Klein

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2733451/publications.pdf>

Version: 2024-02-01

40
papers

9,230
citations

361045

20
h-index

377514

34
g-index

54
all docs

54
docs citations

54
times ranked

13962
citing authors

#	ARTICLE	IF	CITATIONS
1	A reproducible evaluation of ANTs similarity metric performance in brain image registration. <i>NeuroImage</i> , 2011, 54, 2033-2044.	2.1	3,535
2	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. <i>NeuroImage</i> , 2009, 46, 786-802.	2.1	1,988
3	101 Labeled Brain Images and a Consistent Human Cortical Labeling Protocol. <i>Frontiers in Neuroscience</i> , 2012, 6, 171.	1.4	809
4	Large-scale evaluation of ANTs and FreeSurfer cortical thickness measurements. <i>NeuroImage</i> , 2014, 99, 166-179.	2.1	560
5	Mindboggling morphometry of human brains. <i>PLoS Computational Biology</i> , 2017, 13, e1005350.	1.5	448
6	The mPower study, Parkinson disease mobile data collected using ResearchKit. <i>Scientific Data</i> , 2016, 3, 160011.	2.4	439
7	An open resource for transdiagnostic research in pediatric mental health and learning disorders. <i>Scientific Data</i> , 2017, 4, 170181.	2.4	375
8	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , 2010, 51, 214-220.	2.1	237
9	Assessment of the impact of shared brain imaging data on the scientific literature. <i>Nature Communications</i> , 2018, 9, 2818.	5.8	95
10	Mindboggle: Automated brain labeling with multiple atlases. <i>BMC Medical Imaging</i> , 2005, 5, 7.	1.4	81
11	Remote smartphone monitoring of Parkinson's disease and individual response to therapy. <i>Nature Biotechnology</i> , 2022, 40, 480-487.	9.4	73
12	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2016, 12, 645-653.	0.4	72
13	Mindboggle: a scatterbrained approach to automate brain labeling. <i>NeuroImage</i> , 2005, 24, 261-280.	2.1	70
14	Caste-dependent sleep of worker honey bees. <i>Journal of Experimental Biology</i> , 2008, 211, 3028-3040.	0.8	66
15	Sleep deprivation impairs precision of waggle dance signaling in honey bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22705-22709.	3.3	65
16	Brain age prediction: Cortical and subcortical shape covariation in the developing human brain. <i>NeuroImage</i> , 2019, 202, 116149.	2.1	37
17	Instrumentation bias in the use and evaluation of scientific software: recommendations for reproducible practices in the computational sciences. <i>Frontiers in Neuroscience</i> , 2013, 7, 162.	1.4	28
18	Mapping Sleeping Bees within Their Nest: Spatial and Temporal Analysis of Worker Honey Bee Sleep. <i>PLoS ONE</i> , 2014, 9, e102316.	1.1	25

#	ARTICLE	IF	CITATIONS
19	Clinically useful brain imaging for neuropsychiatry: How can we get there?. Depression and Anxiety, 2017, 34, 578-587.	2.0	25
20	Learning from open source software projects to improve scientific review. Frontiers in Computational Neuroscience, 2012, 6, 18.	1.2	24
21	Evaluating fMRI-Based Estimation of Eye Gaze During Naturalistic Viewing. Cerebral Cortex, 2020, 30, 1171-1184.	1.6	24
22	A Precision Medicine Tool for Patients With Multiple Sclerosis (the Open MS BioScreen): Human-Centered Design and Development. Journal of Medical Internet Research, 2020, 22, e15605.	2.1	23
23	PERSONALIZED HYPOTHESIS TESTS FOR DETECTING MEDICATION RESPONSE IN PARKINSON DISEASE PATIENTS USING iPHONE SENSOR DATA. , 2016, , .		20
24	Towards a deep learning approach to brain parcellation. , 2011, , .		15
25	A new method for assessing PET-MRI coregistration. Proceedings of SPIE, 2009, , .	0.8	13
26	<title>Optics for full-parallax holographic stereograms</title>. , 1997, , .		11
27	Remote Digital Psychiatry for Mobile Mental Health Assessment and Therapy: MindLogger Platform Development Study. Journal of Medical Internet Research, 2021, 23, e22369.	2.1	10
28	PERSONALIZED HYPOTHESIS TESTS FOR DETECTING MEDICATION RESPONSE IN PARKINSON DISEASE PATIENTS USING iPHONE SENSOR DATA. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2016, 21, 273-84.	0.7	10
29	Be the change you seek in science. BMC Biology, 2019, 17, 27.	1.7	7
30	Describing high-order statistical dependence using "concurrency topology," with application to functional MRI brain data. Homology, Homotopy and Applications, 2014, 16, 245-264.	0.2	5
31	Relating vector ray-tracing equations for holograms of arbitrary shape and thickness. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 979.	0.8	2
32	Thermal sensors improve wrist-worn position tracking. Npj Digital Medicine, 2019, 2, 15.	5.7	2
33	Report on the Cloud-Based Evaluation Approaches Workshop 2015. ACM SIGIR Forum, 2016, 50, 38-41.	0.4	2
34	A game for crowdsourcing the segmentation of BigBrain data. Research Ideas and Outcomes, 0, 2, e8816.	1.0	2
35	Interactive online brain shape visualization. Research Ideas and Outcomes, 0, 3, e12358.	1.0	2
36	Automated extraction of nested sulcus features from human brain MRI data. , 2012, 2012, 4429-33.		1

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37	Clinical Perspective on Passive Audio Vocal Measurement in the Evaluation of Selective Mutism. <i>Frontiers in Psychiatry</i> , 2018, 9, 443.	1.3	1
38	Ten simple rules for open human health research. <i>PLoS Computational Biology</i> , 2020, 16, e1007846.	1.5	1
39	Concurrence Topology: Finding High-Order Dependence in Neuropsychiatric Data. <i>Research Ideas and Outcomes</i> , 0, 2, e8815.	1.0	0
40	Brain Graph Interface. <i>Research Ideas and Outcomes</i> , 0, 2, e8817.	1.0	0