Arno Klein

List of Publications by Year
in descending order

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	Remote smartphone monitoring of Parkinsonâ€™s disease and individual response to therapy. Nature Biotechnology, 2022, 40, 480-487.	9.4	73
2	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
3	Evaluating fMRI-Based Estimation of Eye Gaze During Naturalistic Viewing. Cerebral Cortex, 2020, 30, 1171-1184.	1.6	24
4	Ten simple rules for open human health research. PLoS Computational Biology, 2020, 16, e1007846.	1.5	1
5	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
6	Brain age prediction: Cortical and subcortical shape covariation in the developing human brain. NeuroImage, 2019, 202, 116149.	2.1	37
7	Be the change you seek in science. BMC Biology, 2019, 17, 27.	1.7	7
8	Thermal sensors improve wrist-worn position tracking. Npj Digital Medicine, 2019, 2, 15.	5.7	2
9	Clinical Perspective on Passive Audio Vocal Measurement in the Evaluation of Selective Mutism. Frontiers in Psychiatry, 2018, 9, 443.	1.3	1
10	Assessment of the impact of shared brain imaging data on the scientific literature. Nature Communications, 2018, 9, 2818.	5.8	95
11	Clinically useful brain imaging for neuropsychiatry: How can we get there?. Depression and Anxiety, 2017, 34, 578-587.	2.0	25
12	An open resource for transdiagnostic research in pediatric mental health and learning disorders. Scientific Data, 2017, 4, 170181.	2.4	375
13	Mindboggling morphometry of human brains. PLoS Computational Biology, 2017, 13, e1005350.	1.5	448
14	PERSONALIZED HYPOTHESIS TESTS FOR DETECTING MEDICATION RESPONSE IN PARKINSON DISEASE PATIENTS USING iPHONE SENSOR DATA. , 2016, , .		20
15	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 645-653.	0.4	72
16	The mPower study, Parkinson disease mobile data collected using ResearchKit. Scientific Data, 2016, 3, 160011.	2.4	439
17	Report on the Cloud-Based Evaluation Approaches Workshop 2015. ACM SIGIR Forum, 2016, 50, 38-41.	0.4	2
18	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

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19	Mapping Sleeping Bees within Their Nest: Spatial and Temporal Analysis of Worker Honey Bee Sleep. PLoS ONE, 2014, 9, e102316.	1.1	25
20	Large-scale evaluation of ANTs and FreeSurfer cortical thickness measurements. NeuroImage, 2014, 99, 166-179.	2.1	560
21	Describing high-order statistical dependence using â€œconcurrence topology,â€•with application to functional MRI brain data. Homology, Homotopy and Applications, 2014, 16, 245-264.	0.2	5
22	Instrumentation bias in the use and evaluation of scientific software: recommendations for reproducible practices in the computational sciences. Frontiers in Neuroscience, 2013, 7, 162.	1.4	28
23	Automated extraction of nested sulcus features from human brain MRI data. , 2012, 2012, 4429-33.		1
24	Learning from open source software projects to improve scientific review. Frontiers in Computational Neuroscience, 2012, 6, 18.	1.2	24
25	101 Labeled Brain Images and a Consistent Human Cortical Labeling Protocol. Frontiers in Neuroscience, 2012, 6, 171.	1.4	809
26	Towards a deep learning approach to brain parcellation. , 2011, , .		15
27	A reproducible evaluation of ANTs similarity metric performance in brain image registration. NeuroImage, 2011, 54, 2033-2044.	2.1	3,535
28	Sleep deprivation impairs precision of waggle dance signaling in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22705-22709.	3.3	65
29	Evaluation of volume-based and surface-based brain image registration methods. NeuroImage, 2010, 51, 214-220.	2.1	237
30	A new method for assessing PET-MRI coregistration. Proceedings of SPIE, 2009, , .	0.8	13
31	Evaluation of 14 nonlinear deformation algorithms applied to human brain MRI registration. NeuroImage, 2009, 46, 786-802.	2.1	1,988
32	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
33	Caste-dependent sleep of worker honey bees. Journal of Experimental Biology, 2008, 211, 3028-3040.	0.8	66
34	Mindboggle: Automated brain labeling with multiple atlases. BMC Medical Imaging, 2005, 5, 7.	1.4	81
35	Mindboggle: a scatterbrained approach to automate brain labeling. NeuroImage, 2005, 24, 261-280.	2.1	70
36	<title>Optics for full-parallax holographic stereograms</title>. , 1997, , .		11

#	Article	IF	Citations
37	A game for crowdsourcing the segmentation of BigBrain data. Research Ideas and Outcomes, 0, 2, e8816.	1.0	2
38	Interactive online brain shape visualization. Research Ideas and Outcomes, 0, 3, e12358.	1.0	2
39	Concurrence Topology: Finding High-Order Dependence in Neuropsychiatric Data. Research Ideas and Outcomes, 0, 2, e8815.	1.0	0
40	Brain Graph Interface. Research Ideas and Outcomes, 0, 2, e8817.	1.0	0