

Ziad S Saad

List of Publications by Year in descending order

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41
papers

6,557
citations

147726

31
h-index

276775

41
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41
docs citations

41
times ranked

8437
citing authors

#	ARTICLE	IF	CITATIONS
1	Trouble at Rest: How Correlation Patterns and Group Differences Become Distorted After Global Signal Regression. <i>Brain Connectivity</i> , 2012, 2, 25-32.	0.8	805
2	Mapping sources of correlation in resting state fMRI, with artifact detection and removal. <i>NeuroImage</i> , 2010, 52, 571-582.	2.1	481
3	Linear mixed-effects modeling approach to fMRI group analysis. <i>NeuroImage</i> , 2013, 73, 176-190.	2.1	371
4	A new method for improving functional-to-structural MRI alignment using local Pearson correlation. <i>NeuroImage</i> , 2009, 44, 839-848.	2.1	368
5	Integrated strategy for improving functional connectivity mapping using multiecho fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16187-16192.	3.3	342
6	Two distinct forms of functional lateralization in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3435-44.	3.3	315
7	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5487-5492.	3.3	312
8	Tracking ongoing cognition in individuals using brief, whole-brain functional connectivity patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8762-8767.	3.3	312
9	Effective Preprocessing Procedures Virtually Eliminate Distance-Dependent Motion Artifacts in Resting State fMRI. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-9.	0.4	260
10	The perils of global signal regression for group comparisons: a case study of Autism Spectrum Disorders. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 356.	1.0	260
11	Defining functional SMA and pre-SMA subregions in human MFC using resting state fMRI: Functional connectivity-based parcellation method. <i>NeuroImage</i> , 2010, 49, 2375-2386.	2.1	252
12	Spatial Heterogeneity of the Nonlinear Dynamics in the fMRI BOLD Response. <i>NeuroImage</i> , 2001, 14, 817-826.	2.1	220
13	SUMA. <i>NeuroImage</i> , 2012, 62, 768-773.	2.1	217
14	Applications of multivariate modeling to neuroimaging group analysis: A comprehensive alternative to univariate general linear model. <i>NeuroImage</i> , 2014, 99, 571-588.	2.1	212
15	Simplified intersubject averaging on the cortical surface using SUMA. <i>Human Brain Mapping</i> , 2006, 27, 14-27.	1.9	195
16	Correcting Brain-Wide Correlation Differences in Resting-State fMRI. <i>Brain Connectivity</i> , 2013, 3, 339-352.	0.8	183
17	FATCAT: (An Efficient) Functional And Tractographic Connectivity Analysis Toolbox. <i>Brain Connectivity</i> , 2013, 3, 523-535.	0.8	178
18	fMRI group analysis combining effect estimates and their variances. <i>NeuroImage</i> , 2012, 60, 747-765.	2.1	149

#	ARTICLE	IF	CITATIONS
19	Analysis and use of fMRI response delays. <i>Human Brain Mapping</i> , 2001, 13, 74-93.	1.9	148
20	The spatial structure of resting state connectivity stability on the scale of minutes. <i>Frontiers in Neuroscience</i> , 2014, 8, 138.	1.4	104
21	The Developmental Trajectory of Brain-Scalp Distance from Birth through Childhood: Implications for Functional Neuroimaging. <i>PLoS ONE</i> , 2011, 6, e24981.	1.1	89
22	Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. <i>Computers in Biology and Medicine</i> , 2011, 41, 1142-1155.	3.9	82
23	Effects of alcohol dependence on cortical thickness as determined by magnetic resonance imaging. <i>Psychiatry Research - Neuroimaging</i> , 2012, 204, 101-111.	0.9	81
24	The spatial extent of the BOLD response. <i>NeuroImage</i> , 2003, 19, 132-144.	2.1	73
25	Functional imaging analysis contest (FIAC) analysis according to AFNI and SUMA. <i>Human Brain Mapping</i> , 2006, 27, 417-424.	1.9	55
26	Estimation of fMRI response delays. Grant sponsor: The Whitaker Foundation Special Opportunity Award Program, the Jobling Foundation, the Anthony J. and Rose Eannelli Bagozzi Medical Research Fellowship. NIH; Grants EY10244, MH51358, GCRC 5M01RR00058. <i>NeuroImage</i> , 2003, 18, 494-504.	2.1	53
27	Contagious yawning and the frontal lobe: An fMRI study. <i>Human Brain Mapping</i> , 2009, 30, 1744-1751.	1.9	51
28	DBSproc: An open source process for DBS electrode localization and tractographic analysis. <i>Human Brain Mapping</i> , 2016, 37, 422-433.	1.9	47
29	Shifts in connectivity during procedural learning after motor cortex stimulation: A combined transcranial magnetic stimulation/functional magnetic resonance imaging study. <i>Cortex</i> , 2016, 74, 134-148.	1.1	45
30	Detecting the subtle shape differences in hemodynamic responses at the group level. <i>Frontiers in Neuroscience</i> , 2015, 9, 375.	1.4	42
31	ALICE: A tool for automatic localization of intra-cranial electrodes for clinical and high-density grids. <i>Journal of Neuroscience Methods</i> , 2018, 301, 43-51.	1.3	40
32	Neanderthal-Derived Genetic Variation Shapes Modern Human Cranium and Brain. <i>Scientific Reports</i> , 2017, 7, 6308.	1.6	36
33	Surface based electrode localization and standardized regions of interest for intracranial EEG. <i>Human Brain Mapping</i> , 2018, 39, 709-721.	1.9	30
34	Task Dependence, Tissue Specificity, and Spatial Distribution of Widespread Activations in Large Single-Subject Functional MRI Datasets at 7T. <i>Cerebral Cortex</i> , 2015, 25, 4667-4677.	1.6	28
35	Quantifying Agreement between Anatomical and Functional Interhemispheric Correspondences in the Resting Brain. <i>PLoS ONE</i> , 2012, 7, e48847.	1.1	25
36	Effects of image contrast on functional MRI image registration. <i>NeuroImage</i> , 2013, 67, 163-174.	2.1	22

#	ARTICLE	IF	CITATIONS
37	Open Environment for Multimodal Interactive Connectivity Visualization and Analysis. Brain Connectivity, 2016, 6, 109-121.	0.8	21
38	Segmentation priors from local image properties: Without using bias field correction, location-based templates, or registration. NeuroImage, 2011, 55, 142-152.	2.1	17
39	Robust, atlas-free, automatic segmentation of brain MRI in health and disease. Heliyon, 2019, 5, e01226.	1.4	16
40	Retinotopically defined primary visual cortex in Williams syndrome. Brain, 2009, 132, 635-644.	3.7	12
41	Dynamic nonlinearities in BOLD contrast: neuronal or hemodynamic?. International Congress Series, 2002, 1235, 73-85.	0.2	8