

# Ziad S Saad

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

6,557  
citations

147801

31  
h-index

276875

41  
g-index

41  
all docs

41  
docs citations

41  
times ranked

8437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust, atlas-free, automatic segmentation of brain MRI in health and disease. <i>Heliyon</i> , 2019, 5, e01226.	3.2	16
2	Surface based electrode localization and standardized regions of interest for intracranial EEG. <i>Human Brain Mapping</i> , 2018, 39, 709-721.	3.6	30
3	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.	2.5	40
4	Neanderthal-Derived Genetic Variation Shapes Modern Human Cranium and Brain. <i>Scientific Reports</i> , 2017, 7, 6308.	3.3	36
5	DBSproc: An open source process for DBS electrode localization and tractographic analysis. <i>Human Brain Mapping</i> , 2016, 37, 422-433.	3.6	47
6	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.	2.4	45
7	Open Environment for Multimodal Interactive Connectivity Visualization and Analysis. <i>Brain Connectivity</i> , 2016, 6, 109-121.	1.7	21
8	Detecting the subtle shape differences in hemodynamic responses at the group level. <i>Frontiers in Neuroscience</i> , 2015, 9, 375.	2.8	42
9	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.	2.9	28
10	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.	7.1	312
11	The spatial structure of resting state connectivity stability on the scale of minutes. <i>Frontiers in Neuroscience</i> , 2014, 8, 138.	2.8	104
12	Applications of multivariate modeling to neuroimaging group analysis: A comprehensive alternative to univariate general linear model. <i>NeuroImage</i> , 2014, 99, 571-588.	4.2	212
13	Linear mixed-effects modeling approach to fMRI group analysis. <i>NeuroImage</i> , 2013, 73, 176-190.	4.2	371
14	Effects of image contrast on functional MRI image registration. <i>NeuroImage</i> , 2013, 67, 163-174.	4.2	22
15	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.	7.1	315
16	Effective Preprocessing Procedures Virtually Eliminate Distance-Dependent Motion Artifacts in Resting State fMRI. <i>Journal of Applied Mathematics</i> , 2013, 2013, 1-9.	0.9	260
17	Correcting Brain-Wide Correlation Differences in Resting-State fMRI. <i>Brain Connectivity</i> , 2013, 3, 339-352.	1.7	183
18	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.	7.1	342

#	ARTICLE	IF	CITATIONS
19	FATCAT: (An Efficient) Functional And Tractographic Connectivity Analysis Toolbox. Brain Connectivity, 2013, 3, 523-535.	1.7	178
20	The perils of global signal regression for group comparisons: a case study of Autism Spectrum Disorders. Frontiers in Human Neuroscience, 2013, 7, 356.	2.0	260
21	Whole-brain, time-locked activation with simple tasks revealed using massive averaging and model-free analysis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5487-5492.	7.1	312
22	Effects of alcohol dependence on cortical thickness as determined by magnetic resonance imaging. Psychiatry Research - Neuroimaging, 2012, 204, 101-111.	1.8	81
23	Trouble at Rest: How Correlation Patterns and Group Differences Become Distorted After Global Signal Regression. Brain Connectivity, 2012, 2, 25-32.	1.7	805
24	fMRI group analysis combining effect estimates and their variances. NeuroImage, 2012, 60, 747-765.	4.2	149
25	SUMA. NeuroImage, 2012, 62, 768-773.	4.2	217
26	Quantifying Agreement between Anatomical and Functional Interhemispheric Correspondences in the Resting Brain. PLoS ONE, 2012, 7, e48847.	2.5	25
27	Segmentation priors from local image properties: Without using bias field correction, location-based templates, or registration. NeuroImage, 2011, 55, 142-152.	4.2	17
28	Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. Computers in Biology and Medicine, 2011, 41, 1142-1155.	7.0	82
29	The Developmental Trajectory of Brain-Scalp Distance from Birth through Childhood: Implications for Functional Neuroimaging. PLoS ONE, 2011, 6, e24981.	2.5	89
30	Mapping sources of correlation in resting state fMRI, with artifact detection and removal. NeuroImage, 2010, 52, 571-582.	4.2	481
31	Defining functional SMA and pre-SMA subregions in human MFC using resting state fMRI: Functional connectivity-based parcellation method. NeuroImage, 2010, 49, 2375-2386.	4.2	252
32	Contagious yawning and the frontal lobe: An fMRI study. Human Brain Mapping, 2009, 30, 1744-1751.	3.6	51
33	A new method for improving functional-to-structural MRI alignment using local Pearson correlation. NeuroImage, 2009, 44, 839-848.	4.2	368
34	Retinotopically defined primary visual cortex in Williams syndrome. Brain, 2009, 132, 635-644.	7.6	12
35	Simplified intersubject averaging on the cortical surface using SUMA. Human Brain Mapping, 2006, 27, 14-27.	3.6	195
36	Functional imaging analysis contest (FIAC) analysis according to AFNI and SUMA. Human Brain Mapping, 2006, 27, 417-424.	3.6	55

#	ARTICLE	IF	CITATIONS
37	Estimation of FMRI response delays~f~fGrant 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.. NeuroImage, 2003, 18, 494-504.	4.2	53
38	The spatial extent of the BOLD response. NeuroImage, 2003, 19, 132-144.	4.2	73
39	Dynamic nonlinearities in BOLD contrast: neuronal or hemodynamic?. International Congress Series, 2002, 1235, 73-85.	0.2	8
40	Spatial Heterogeneity of the Nonlinear Dynamics in the FMRI BOLD Response. NeuroImage, 2001, 14, 817-826.	4.2	220
41	Analysis and use of FMRI response delays. Human Brain Mapping, 2001, 13, 74-93.	3.6	148