

Bo-Yong Park

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,659
citations

361045

20
h-index

433756

31
g-index

77
all docs

77
docs citations

77
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2556-2568.	5.4	165
2	A neuroimaging biomarker for sustained experimental and clinical pain. <i>Nature Medicine</i> , 2021, 27, 174-182.	15.2	108
3	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. <i>Nature Methods</i> , 2021, 18, 698-700.	9.0	95
4	Increased connectivity of pain matrix in chronic migraine: a resting-state functional MRI study. <i>Journal of Headache and Pain</i> , 2019, 20, 29.	2.5	72
5	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021, 12, 2225.	5.8	63
6	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. <i>NeuroImage</i> , 2021, 224, 117429.	2.1	54
7	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. <i>Nature Communications</i> , 2022, 13, 2341.	5.8	54
8	FuNP (Fusion of Neuroimaging Preprocessing) Pipelines: A Fully Automated Preprocessing Software for Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 5.	1.3	53
9	Autism Spectrum Disorder Related Functional Connectivity Changes in the Language Network in Children, Adolescents and Adults. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 418.	1.0	52
10	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. <i>ELife</i> , 2021, 10, .	2.8	47
11	Functional brain networks associated with eating behaviors in obesity. <i>Scientific Reports</i> , 2016, 6, 23891.	1.6	45
12	Dynamic functional connectivity analysis reveals improved association between brain networks and eating behaviors compared to static analysis. <i>Behavioural Brain Research</i> , 2018, 337, 114-121.	1.2	36
13	Diving beetle-like miniaturized plungers with reversible, rapid biofluid capturing for machine learning-based care of skin disease. <i>Science Advances</i> , 2021, 7, .	4.7	36
14	Structural and Functional Brain Connectivity of People with Obesity and Prediction of Body Mass Index Using Connectivity. <i>PLoS ONE</i> , 2015, 10, e0141376.	1.1	36
15	Convolutional neural network classifier for distinguishing Barrett's esophagus and neoplasia endomicroscopy images. , 2017, 2017, 2892-2895.		35
16	An Electronically Perceptive Bioinspired Soft Wet-Adhesion Actuator with Carbon Nanotube-Based Strain Sensors. <i>ACS Nano</i> , 2021, 15, 14137-14148.	7.3	33
17	Structural and Functional Brain Connectivity Changes Between People With Abdominal and Non-abdominal Obesity and Their Association With Behaviors of Eating Disorders. <i>Frontiers in Neuroscience</i> , 2018, 12, 741.	1.4	29
18	Dynamic functional connectivity of the migraine brain: a resting-state functional magnetic resonance imaging study. <i>Pain</i> , 2019, 160, 2776-2786.	2.0	26

#	ARTICLE	IF	CITATIONS
19	Cerebrovascular reactivity as a determinant of deep white matter hyperintensities in migraine. <i>Neurology</i> , 2019, 92, e342-e350.	1.5	26
20	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. <i>Brain</i> , 2021, 144, 2486-2498.	3.7	26
21	Connectivity Analysis and Feature Classification in Attention Deficit Hyperactivity Disorder Sub-Types: A Task Functional Magnetic Resonance Imaging Study. <i>Brain Topography</i> , 2016, 29, 429-439.	0.8	25
22	Inter-individual body mass variations relate to fractionated functional brain hierarchies. <i>Communications Biology</i> , 2021, 4, 735.	2.0	25
23	Connectivity alterations in autism reflect functional idiosyncrasy. <i>Communications Biology</i> , 2021, 4, 1078.	2.0	25
24	The effects of high-frequency repetitive transcranial magnetic stimulation on resting-state functional connectivity in obese adults. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 1956-1966.	2.2	24
25	Whole-brain functional connectivity correlates of obesity phenotypes. <i>Human Brain Mapping</i> , 2020, 41, 4912-4924.	1.9	22
26	DEWS (DEep White matter hyperintensity Segmentation framework): A fully automated pipeline for detecting small deep white matter hyperintensities in migraineurs. <i>NeuroImage: Clinical</i> , 2018, 18, 638-647.	1.4	21
27	Two-step deep neural network for segmentation of deep white matter hyperintensities in migraineurs. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 183, 105065.	2.6	21
28	Long-range functional connections mirror and link microarchitectural and cognitive hierarchies in the human brain. <i>Cerebral Cortex</i> , 2023, 33, 1782-1798.	1.6	20
29	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. <i>Brain</i> , 2022, 145, 1285-1298.	3.7	18
30	Adolescent development of multiscale structural wiring and functional interactions in the human connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
31	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. <i>PLoS Biology</i> , 2022, 20, e3001627.	2.6	17
32	A structural enriched functional network: An application to predict brain cognitive performance. <i>Medical Image Analysis</i> , 2021, 71, 102026.	7.0	16
33	Functional Connectivity of Child and Adolescent Attention Deficit Hyperactivity Disorder Patients: Correlation with IQ. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 565.	1.0	15
34	Neuroimaging biomarkers to associate obesity and negative emotions. <i>Scientific Reports</i> , 2017, 7, 7664.	1.6	15
35	Functional connectivity based parcellation of early visual cortices. <i>Human Brain Mapping</i> , 2018, 39, 1380-1390.	1.9	15
36	Connectivity differences between adult male and female patients with attention deficit hyperactivity disorder according to resting-state functional MRI. <i>Neural Regeneration Research</i> , 2016, 11, 119.	1.6	14

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37	Age-related connectivity differences between attention deficit and hyperactivity disorder patients and typically developing subjects: a resting-state functional MRI study. <i>Neural Regeneration Research</i> , 2017, 12, 1640.	1.6	13
38	Accurate neuroimaging biomarkers to predict body mass index in adolescents: a longitudinal study. <i>Brain Imaging and Behavior</i> , 2020, 14, 1682-1695.	1.1	12
39	Prevalence and Impact of Venous and Arterial Thromboembolism in Patients With Embolic Stroke of Undetermined Source With or Without Active Cancer. <i>Journal of the American Heart Association</i> , 2019, 8, e013215.	1.6	11
40	Possible links between the lag structure in visual cortex and visual streams using fMRI. <i>Scientific Reports</i> , 2019, 9, 4283.	1.6	10
41	A Riemannian approach to predicting brain function from the structural connectome. <i>NeuroImage</i> , 2022, 257, 119299.	2.1	10
42	A convergent structure-function substrate of cognitive imbalances in autism. <i>Cerebral Cortex</i> , 2023, 33, 1566-1580.	1.6	9
43	Differences in connectivity patterns between child and adolescent attention deficit hyperactivity disorder patients. , 2016, 2016, 1127-1130.		8
44	Effectiveness of imaging genetics analysis to explain degree of depression in Parkinson's disease. <i>PLoS ONE</i> , 2019, 14, e0211699.	1.1	7
45	Spatially guided functional correlation tensor: A new method to associate body mass index and white matter neuroimaging. <i>Computers in Biology and Medicine</i> , 2019, 107, 137-144.	3.9	7
46	Synthesizing diffusion tensor imaging from functional MRI using fully convolutional networks. <i>Computers in Biology and Medicine</i> , 2019, 115, 103528.	3.9	6
47	A neuroimaging marker for predicting longitudinal changes in pain intensity of subacute back pain based on large-scale brain network interactions. <i>Scientific Reports</i> , 2020, 10, 17392.	1.6	6
48	Multivariate association between brain function and eating disorders using sparse canonical correlation analysis. <i>PLoS ONE</i> , 2020, 15, e0237511.	1.1	6
49	The orbitofrontal cortex functionally links obesity and white matter hyperintensities. <i>Scientific Reports</i> , 2020, 10, 2930.	1.6	6
50	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles. <i>NeuroImage</i> , 2022, 256, 119212.	2.1	6
51	Disrupted stepwise functional brain organization in overweight individuals. <i>Communications Biology</i> , 2022, 5, 11.	2.0	5
52	Cerebrovascular reactivity and deep white matter hyperintensities in migraine: A prospective CO ₂ targeting study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1879-1889.	2.4	3
53	Structural Connectivity Enriched Functional Brain Network Using Simplex Regression with GraphNet. <i>Lecture Notes in Computer Science</i> , 2020, 12436, 292-302.	1.0	2
54	Shared and distinct patterns of atypical cortical morphometry in children with autism and anxiety. <i>Cerebral Cortex</i> , 2022, 32, 4565-4575.	1.6	1

#	ARTICLE	IF	CITATIONS
55	Dynamic reconfiguration of global network and regional functional connectivity when comprehending visual narratives. <i>Journal of Vision</i> , 2018, 18, 115.	0.1	0