Bo-Yong Park

List of Publications by Year
in descending order

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	Long-range functional connections mirror and link microarchitectural and cognitive hierarchies in the human brain. Cerebral Cortex, 2023, 33, 1782-1798.	1.6	20
2	A convergent structure–function substrate of cognitive imbalances in autism. Cerebral Cortex, 2023, 33, 1566-1580.	1.6	9
3	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	3.7	18
4	Shared and distinct patterns of atypical cortical morphometry in children with autism and anxiety. Cerebral Cortex, 2022, 32, 4565-4575.	1.6	1
5	Disrupted stepwise functional brain organization in overweight individuals. Communications Biology, 2022, 5, 11.	2.0	5
6	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles. NeuroImage, 2022, 256, 119212.	2.1	6
7	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. PLoS Biology, 2022, 20, e3001627.	2.6	17
8	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. Nature Communications, 2022, 13, 2341.	5.8	54
9	Cerebrovascular reactivity and deep white matter hyperintensities in migraine: A prospective CO_2 targeting study. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1879-1889.	2.4	3
10	A Riemannian approach to predicting brain function from the structural connectome. NeuroImage, 2022, 257, 119299.	2.1	10
11	Adolescent development of multiscale structural wiring and functional interactions in the human connectome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
12	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. NeuroImage, 2021, 224, 117429.	2.1	54
13	A neuroimaging biomarker for sustained experimental and clinical pain. Nature Medicine, 2021, 27, 174-182.	15.2	108
14	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. ELife, 2021, 10, .	2.8	47
15	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. Brain, 2021, 144, 2486-2498.	3.7	26
16	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. Nature Communications, 2021, 12, 2225.	5.8	63
17	Diving beetle–like miniaturized plungers with reversible, rapid biofluid capturing for machine learning–based care of skin disease. Science Advances, 2021, 7, .	4.7	36
18	Inter-individual body mass variations relate to fractionated functional brain hierarchies. Communications Biology, 2021, 4, 735.	2.0	25

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19	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. Nature Methods, 2021, 18, 698-700.	9.0	95
20	A structural enriched functional network: An application to predict brain cognitive performance. Medical Image Analysis, 2021, 71, 102026.	7.0	16
21	An Electronically Perceptive Bioinspired Soft Wet-Adhesion Actuator with Carbon Nanotube-Based Strain Sensors. ACS Nano, 2021, 15, 14137-14148.	7.3	33
22	Connectivity alterations in autism reflect functional idiosyncrasy. Communications Biology, 2021, 4, 1078.	2.0	25
23	Accurate neuroimaging biomarkers to predict body mass index in adolescents: a longitudinal study. Brain Imaging and Behavior, 2020, 14, 1682-1695.	1.1	12
24	Two-step deep neural network for segmentation of deep white matter hyperintensities in migraineurs. Computer Methods and Programs in Biomedicine, 2020, 183, 105065.	2.6	21
25	A neuroimaging marker for predicting longitudinal changes in pain intensity of subacute back pain based on large-scale brain network interactions. Scientific Reports, 2020, 10, 17392.	1.6	6
26	Multivariate association between brain function and eating disorders using sparse canonical correlation analysis. PLoS ONE, 2020, 15, e0237511.	1.1	6
27	Whole‐brain functional connectivity correlates of obesity phenotypes. Human Brain Mapping, 2020, 41, 4912-4924.	1.9	22
28	The orbitofrontal cortex functionally links obesity and white matter hyperintensities. Scientific Reports, 2020, 10, 2930.	1.6	6
29	Structural Connectivity Enriched Functional Brain Network Using Simplex Regression with GraphNet. Lecture Notes in Computer Science, 2020, 12436, 292-302.	1.0	2
30	Synthesizing diffusion tensor imaging from functional MRI using fully convolutional networks. Computers in Biology and Medicine, 2019, 115, 103528.	3.9	6
31	Prevalence and Impact of Venous and Arterial Thromboembolism in Patients With Embolic Stroke of Undetermined Source With or Without Active Cancer. Journal of the American Heart Association, 2019, 8, e013215.	1.6	11
32	The effects of high‐frequency repetitive transcranial magnetic stimulation on resting‐state functional connectivity in obese adults. Diabetes, Obesity and Metabolism, 2019, 21, 1956-1966.	2.2	24
33	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	5.4	165
34	Increased connectivity of pain matrix in chronic migraine: a resting-state functional MRI study. Journal of Headache and Pain, 2019, 20, 29.	2.5	72
35	Possible links between the lag structure in visual cortex and visual streams using fMRI. Scientific Reports, 2019, 9, 4283.	1.6	10
36	Effectiveness of imaging genetics analysis to explain degree of depression in Parkinson's disease. PLoS ONE, 2019, 14, e0211699.	1.1	7

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37	Spatially guided functional correlation tensor: A new method to associate body mass index and white matter neuroimaging. Computers in Biology and Medicine, 2019, 107, 137-144.	3.9	7
38	FuNP (Fusion of Neuroimaging Preprocessing) Pipelines: A Fully Automated Preprocessing Software for Functional Magnetic Resonance Imaging. Frontiers in Neuroinformatics, 2019, 13, 5.	1.3	53
39	Dynamic functional connectivity of the migraine brain: a resting-state functional magnetic resonance imaging study. Pain, 2019, 160, 2776-2786.	2.0	26
40	Cerebrovascular reactivity as a determinant of deep white matter hyperintensities in migraine. Neurology, 2019, 92, e342-e350.	1.5	26
41	Dynamic functional connectivity analysis reveals improved association between brain networks and eating behaviors compared to static analysis. Behavioural Brain Research, 2018, 337, 114-121.	1.2	36
42	Functional connectivity based parcellation of early visual cortices. Human Brain Mapping, 2018, 39, 1380-1390.	1.9	15
43	Structural and Functional Brain Connectivity Changes Between People With Abdominal and Non-abdominal Obesity and Their Association With Behaviors of Eating Disorders. Frontiers in Neuroscience, 2018, 12, 741.	1.4	29
44	DEWS (DEep White matter hyperintensity Segmentation framework): A fully automated pipeline for detecting small deep white matter hyperintensities in migraineurs. NeuroImage: Clinical, 2018, 18, 638-647.	1.4	21
45	Dynamic reconfiguration of global network and regional functional connectivity when comprehending visual narratives. Journal of Vision, 2018, 18, 115.	0.1	0
46	Convolutional neural network classifier for distinguishing Barrett's esophagus and neoplasia endomicroscopy images. , 2017, 2017, 2892-2895.		35
47	Neuroimaging biomarkers to associate obesity and negative emotions. Scientific Reports, 2017, 7, 7664.	1.6	15
48	Autism Spectrum Disorder Related Functional Connectivity Changes in the Language Network in Children, Adolescents and Adults. Frontiers in Human Neuroscience, 2017, 11, 418.	1.0	52
49	Age-related connectivity differences between attention deficit and hyperactivity disorder patients and typically developing subjects: a resting-state functional MRI study. Neural Regeneration Research, 2017, 12, 1640.	1.6	13
50	Functional Connectivity of Child and Adolescent Attention Deficit Hyperactivity Disorder Patients: Correlation with IQ. Frontiers in Human Neuroscience, 2016, 10, 565.	1.0	15
51	Functional brain networks associated with eating behaviors in obesity. Scientific Reports, 2016, 6, 23891.	1.6	45
52	Differences in connectivity patterns between child and adolescent attention deficit hyperactivity disorder patients. , 2016, 2016, 1127-1130.		8
53	Connectivity Analysis and Feature Classification in Attention Deficit Hyperactivity Disorder Sub-Types: A Task Functional Magnetic Resonance Imaging Study. Brain Topography, 2016, 29, 429-439.	0.8	25
54	Connectivity differences between adult male and female patients with attention deficit hyperactivity disorder according to resting-state functional MRI. Neural Regeneration Research, 2016, 11, 119.	1.6	14

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55	Structural and Functional Brain Connectivity of People with Obesity and Prediction of Body Mass Index Using Connectivity. PLoS ONE, 2015, 10, e0141376.	1.1	36