Bo-Yong Park

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	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.	8.9	165
2	A neuroimaging biomarker for sustained experimental and clinical pain. Nature Medicine, 2021, 27, 174-182.	30.7	108
3	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. Nature Methods, 2021, 18, 698-700.	19.0	95
4	Increased connectivity of pain matrix in chronic migraine: a resting-state functional MRI study. Journal of Headache and Pain, 2019, 20, 29.	6.0	72
5	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. Nature Communications, 2021, 12, 2225.	12.8	63
6	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. NeuroImage, 2021, 224, 117429.	4.2	54
7	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex. Nature Communications, 2022, 13, 2341.	12.8	54
8	FuNP (Fusion of Neuroimaging Preprocessing) Pipelines: A Fully Automated Preprocessing Software for Functional Magnetic Resonance Imaging. Frontiers in Neuroinformatics, 2019, 13, 5.	2.5	53
9	Autism Spectrum Disorder Related Functional Connectivity Changes in the Language Network in Children, Adolescents and Adults. Frontiers in Human Neuroscience, 2017, 11, 418.	2.0	52
10	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. ELife, 2021, 10, .	6.0	47
11	Functional brain networks associated with eating behaviors in obesity. Scientific Reports, 2016, 6, 23891.	3.3	45
12	Dynamic functional connectivity analysis reveals improved association between brain networks and eating behaviors compared to static analysis. Behavioural Brain Research, 2018, 337, 114-121.	2.2	36
13	Diving beetle–like miniaturized plungers with reversible, rapid biofluid capturing for machine learning–based care of skin disease. Science Advances, 2021, 7, .	10.3	36
14	Structural and Functional Brain Connectivity of People with Obesity and Prediction of Body Mass Index Using Connectivity. PLoS ONE, 2015, 10, e0141376.	2.5	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. ACS Nano, 2021, 15, 14137-14148.	14.6	33
17	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.	2.8	29
18	Dynamic functional connectivity of the migraine brain: a resting-state functional magnetic resonance imaging study. Pain, 2019, 160, 2776-2786.	4.2	26

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19	Cerebrovascular reactivity as a determinant of deep white matter hyperintensities in migraine. Neurology, 2019, 92, e342-e350.	1.1	26
20	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. Brain, 2021, 144, 2486-2498.	7.6	26
21	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.	1.8	25
22	Inter-individual body mass variations relate to fractionated functional brain hierarchies. Communications Biology, 2021, 4, 735.	4.4	25
23	Connectivity alterations in autism reflect functional idiosyncrasy. Communications Biology, 2021, 4, 1078.	4.4	25
24	The effects of highâ€frequency repetitive transcranial magnetic stimulation on restingâ€state functional connectivity in obese adults. Diabetes, Obesity and Metabolism, 2019, 21, 1956-1966.	4.4	24
25	Wholeâ€brain functional connectivity correlates of obesity phenotypes. Human Brain Mapping, 2020, 41, 4912-4924.	3.6	22
26	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.	2.7	21
27	Two-step deep neural network for segmentation of deep white matter hyperintensities in migraineurs. Computer Methods and Programs in Biomedicine, 2020, 183, 105065.	4.7	21
28	Long-range functional connections mirror and link microarchitectural and cognitive hierarchies in the human brain. Cerebral Cortex, 2023, 33, 1782-1798.	2.9	20
29	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	7.6	18
30	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, .	7.1	18
31	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging. PLoS Biology, 2022, 20, e3001627.	5.6	17
32	A structural enriched functional network: An application to predict brain cognitive performance. Medical Image Analysis, 2021, 71, 102026.	11.6	16
33	Functional Connectivity of Child and Adolescent Attention Deficit Hyperactivity Disorder Patients: Correlation with IQ. Frontiers in Human Neuroscience, 2016, 10, 565.	2.0	15
34	Neuroimaging biomarkers to associate obesity and negative emotions. Scientific Reports, 2017, 7, 7664.	3.3	15
35	Functional connectivity based parcellation of early visual cortices. Human Brain Mapping, 2018, 39, 1380-1390.	3.6	15
36	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.	3.0	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. Neural Regeneration Research, 2017, 12, 1640.	3.0	13
38	Accurate neuroimaging biomarkers to predict body mass index in adolescents: a longitudinal study. Brain Imaging and Behavior, 2020, 14, 1682-1695.	2.1	12
39	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.	3.7	11
40	Possible links between the lag structure in visual cortex and visual streams using fMRI. Scientific Reports, 2019, 9, 4283.	3.3	10
41	A Riemannian approach to predicting brain function from the structural connectome. Neurolmage, 2022, 257, 119299.	4.2	10
42	A convergent structure–function substrate of cognitive imbalances in autism. Cerebral Cortex, 2023, 33, 1566-1580.	2.9	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. PLoS ONE, 2019, 14, e0211699.	2.5	7
45	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.	7.0	7
46	Synthesizing diffusion tensor imaging from functional MRI using fully convolutional networks. Computers in Biology and Medicine, 2019, 115, 103528.	7.0	6
47	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.	3.3	6
48	Multivariate association between brain function and eating disorders using sparse canonical correlation analysis. PLoS ONE, 2020, 15, e0237511.	2.5	6
49	The orbitofrontal cortex functionally links obesity and white matter hyperintensities. Scientific Reports, 2020, 10, 2930.	3.3	6
50	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles. NeuroImage, 2022, 256, 119212.	4.2	6
51	Disrupted stepwise functional brain organization in overweight individuals. Communications Biology, 2022, 5, 11.	4.4	5
52	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.	4.3	3
53	Structural Connectivity Enriched Functional Brain Network Using Simplex Regression with GraphNet. Lecture Notes in Computer Science, 2020, 12436, 292-302.	1.3	2
54	Shared and distinct patterns of atypical cortical morphometry in children with autism and anxiety. Cerebral Cortex, 2022, 32, 4565-4575.	2.9	1

#	Article	IF	CITATIONS
55	Dynamic reconfiguration of global network and regional functional connectivity when comprehending visual narratives. Journal of Vision, 2018, 18, 115.	0.3	0