

Hyejin Kang

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,518
citations

304743

22
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

2097
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristic functional cores revealed by hyperbolic disc embedding and k-core percolation on resting-state fMRI. <i>Scientific Reports</i> , 2022, 12, 4887.	3.3	1
2	Hyperbolic disc embedding of functional human brain connectomes using resting-state fMRI. <i>Network Neuroscience</i> , 2022, 6, 745-764.	2.6	0
3	Reorganized Brain White Matter in Early- and Late-Onset Deafness With Diffusion Tensor Imaging. <i>Ear and Hearing</i> , 2021, 42, 223-234.	2.1	5
4	Maturational delay and asymmetric information flow of brain connectivity in SHR model of ADHD revealed by topological analysis of metabolic networks. <i>Scientific Reports</i> , 2020, 10, 3197.	3.3	18
5	Deep learning only by normal brain PET identify unheralded brain anomalies. <i>EBioMedicine</i> , 2019, 43, 447-453.	6.1	51
6	Brain Plasticity Can Predict the Cochlear Implant Outcome in Adult-Onset Deafness. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 38.	2.0	24
7	Predicting Aging of Brain Metabolic Topography Using Variational Autoencoder. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 212.	3.4	24
8	Abnormal hole detection in brain connectivity by kernel density of persistence diagram and Hodge Laplacian. , 2018, 2018, 20-23.		25
9	Tau positron emission tomography using [18F]THK5351 and cerebral glucose hypometabolism in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 59, 210-219.	3.1	50
10	Gating of memory encoding of time-delayed cross-frequency MEG networks revealed by graph filtration based on persistent homology. <i>Scientific Reports</i> , 2017, 7, 41592.	3.3	9
11	Integrated multimodal network approach to PET and MRI based on multidimensional persistent homology. <i>Human Brain Mapping</i> , 2017, 38, 1387-1402.	3.6	44
12	[P4 ⁴⁹⁰]: CHANGES OF BRAIN CONNECTIVITY BASED ON METABOLIC PET IMAGING WITH AGING OF AN ALZHEIMER'S MOUSE MODEL. <i>Alzheimer's and Dementia</i> , 2017, 13, P1522.	0.8	0
13	Formation of visual memories controlled by gamma power phase-locked to alpha oscillations. <i>Scientific Reports</i> , 2016, 6, 28092.	3.3	35
14	Disrupted brain metabolic connectivity in a 6-OHDA-induced mouse model of Parkinson's disease examined using persistent homology-based analysis. <i>Scientific Reports</i> , 2016, 6, 33875.	3.3	24
15	A Study about Effects of Osmotic-Controlled Release Oral Delivery System Methylphenidate on Regional Cerebral Blood Flow in Korean Children with Attention-Deficit Hyperactivity Disorder. <i>Soa'sceongso'nyeon Jeongsin Yihag</i> , 2016, 27, 64-71.	0.5	0
16	Whole-Brain Diffusion-Tensor Changes in Parkinsonian Patients with Impulse Control Disorders.		

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19	Optimal likelihood-ratio multiple testing with application to Alzheimer's disease and questionable dementia. <i>BMC Medical Research Methodology</i> , 2015, 15, 9.	3.1	5
20	Effects of congruent and incongruent visual cues on speech perception and brain activity in cochlear implant users. <i>Brain Structure and Function</i> , 2015, 220, 1109-1125.	2.3	34
21	Morphological brain network assessed using graph theory and network filtration in deaf adults. <i>Hearing Research</i> , 2014, 315, 88-98.	2.0	35
22	Blocking of irrelevant memories by posterior alpha activity boosts memory encoding. <i>Human Brain Mapping</i> , 2014, 35, 3972-3987.	3.6	47
23	Abnormal metabolic connectivity in the pilocarpine-induced epilepsy rat model: A multiscale network analysis based on persistent homology. <i>NeuroImage</i> , 2014, 99, 226-236.	4.2	43
24	In Vivo Imaging of mGluR5 Changes during Epileptogenesis Using [11C]ABP688 PET in Pilocarpine-Induced Epilepsy Rat Model. <i>PLoS ONE</i> , 2014, 9, e92765.	2.5	30
25	Regional brain perfusion before and after treatment with methylphenidate may be associated with the G1287A polymorphism of the norepinephrine transporter gene in children with attention-deficit/hyperactivity disorder. <i>Neuroscience Letters</i> , 2012, 514, 159-163.	2.1	18
26	Persistent Brain Network Homology From the Perspective of Dendrogram. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 2267-2277.	8.9	176
27	Discriminative persistent homology of brain networks. , 2011, , .		68
28	Cross-Frequency Power Correlations Reveal the Right Superior Temporal Gyrus as a Hub Region During Working Memory Maintenance. <i>Brain Connectivity</i> , 2011, 1, 460-472.	1.7	40
29	Computing the Shape of Brain Networks Using Graph Filtration and Gromov-Hausdorff Metric. <i>Lecture Notes in Computer Science</i> , 2011, 14, 302-309.	1.3	62
30	Regional differences in cerebral perfusion associated with the α -2A-adrenergic receptor genotypes in attention deficit hyperactivity disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2010, 35, 330-336.	2.4	25
31	Metabolic connectivity by interregional correlation analysis using statistical parametric mapping (SPM) and FDG brain PET; methodological development and patterns of metabolic connectivity in adults. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1681-1691.	6.4	131
32	Cortical Activity at Rest Predicts Cochlear Implantation Outcome. <i>Cerebral Cortex</i> , 2007, 17, 909-917.	2.9	194
33	The neural correlates of cross-modal interaction in speech perception during a semantic decision task on sentences: A PET study. <i>NeuroImage</i> , 2006, 32, 423-431.	4.2	14
34	Development of Korean Standard Brain Templates. <i>Journal of Korean Medical Science</i> , 2005, 20, 483.	2.5	65
35	Preoperative differences of cerebral metabolism relate to the outcome of cochlear implants in congenitally deaf children. <i>Hearing Research</i> , 2005, 203, 2-9.	2.0	74
36	Neural changes associated with speech learning in deaf children following cochlear implantation. <i>NeuroImage</i> , 2004, 22, 1173-1181.	4.2	33

#	ARTICLE	IF	CITATIONS
37	Age-associated changes of cerebral glucose metabolic activity in both male and female deaf children: parametric analysis using objective volume of interest and voxel-based mapping. <i>NeuroImage</i> , 2004, 22, 1543-1553.	4.2	27