Hyejin Kang

List of Publications by Year
in descending order

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	Cortical Activity at Rest Predicts Cochlear Implantation Outcome. Cerebral Cortex, 2007, 17, 909-917.	2.9	194
2	Persistent Brain Network Homology From the Perspective of Dendrogram. IEEE Transactions on Medical Imaging, 2012, 31, 2267-2277.	8.9	176
3	Metabolic connectivity by interregional correlation analysis using statistical parametric mapping (SPM) and FDG brain PET; methodological development and patterns of metabolic connectivity in adults. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 1681-1691.	6.4	131
4	Preoperative differences of cerebral metabolism relate to the outcome of cochlear implants in congenitally deaf children. Hearing Research, 2005, 203, 2-9.	2.0	74
5	Discriminative persistent homology of brain networks. , 2011, , .		68
6	Development of Korean Standard Brain Templates. Journal of Korean Medical Science, 2005, 20, 483.	2.5	65
7	Computing the Shape of Brain Networks Using Graph Filtration and Gromov-Hausdorff Metric. Lecture Notes in Computer Science, 2011, 14, 302-309.	1.3	62
8	Deep learning only by normal brain PET identify unheralded brain anomalies. EBioMedicine, 2019, 43, 447-453.	6.1	51
9	Tau positron emission tomography using [18F]THK5351 and cerebral glucose hypometabolism in Alzheimer's disease. Neurobiology of Aging, 2017, 59, 210-219.	3.1	50
10	Blocking of irrelevant memories by posterior alpha activity boosts memory encoding. Human Brain Mapping, 2014, 35, 3972-3987.	3.6	47
11	Integrated multimodal network approach to PET and MRI based on multidimensional persistent homology. Human Brain Mapping, 2017, 38, 1387-1402.	3.6	44
12	Abnormal metabolic connectivity in the pilocarpine-induced epilepsy rat model: A multiscale network analysis based on persistent homology. NeuroImage, 2014, 99, 226-236.	4.2	43
13	Cross-Frequency Power Correlations Reveal the Right Superior Temporal Gyrus as a Hub Region During Working Memory Maintenance. Brain Connectivity, 2011, 1, 460-472.	1.7	40
14	Whole-Brain Diffusion-Tensor Changes in Parkinsonian Patients with Impulse Control Disorders.		

#	ARTICLE	IF	CITATIONS
19	In Vivo Imaging of mGluR5 Changes during Epileptogenesis Using [11C]ABP688 PET in Pilocarpine-Induced Epilepsy Rat Model. PLoS ONE, 2014, 9, e92765.	2.5	30
20	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. NeuroImage, 2004, 22, 1543-1553.	4.2	27
21	Maturation of metabolic connectivity of the adolescent rat brain. ELife, 2015, 4, .	6.0	27
22	Abnormal hole detection in brain connectivity by kernel density of persistence diagram and Hodge Laplacian. , 2018, 2018, 20-23.		25
23	Regional differences in cerebral perfusion associated with the α-2A-adrenergic receptor genotypes in attention deficit hyperactivity disorder. Journal of Psychiatry and Neuroscience, 2010, 35, 330-336.	2.4	25
24	Brain Networks Engaged in Audiovisual Integration During Speech Perception Revealed by Persistent Homology-Based Network Filtration. Brain Connectivity, 2015, 5, 245-258.	1.7	24
25	Disrupted brain metabolic connectivity in a 6-OHDA-induced mouse model of Parkinson's disease examined using persistent homology-based analysis. Scientific Reports, 2016, 6, 33875.	3.3	24
26	Predicting Aging of Brain Metabolic Topography Using Variational Autoencoder. Frontiers in Aging Neuroscience, 2018, 10, 212.	3.4	24
27	Brain Plasticity Can Predict the Cochlear Implant Outcome in Adult-Onset Deafness. Frontiers in Human Neuroscience, 2019, 13, 38.	2.0	24
28	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. Neuroscience Letters, 2012, 514, 159-163.	2.1	18
29	Maturational delay and asymmetric information flow of brain connectivity in SHR model of ADHD revealed by topological analysis of metabolic networks. Scientific Reports, 2020, 10, 3197.	3.3	18
30	The neural correlates of cross-modal interaction in speech perception during a semantic decision task on sentences: A PET study. NeuroImage, 2006, 32, 423-431.	4.2	14
31	Gating of memory encoding of time-delayed cross-frequency MEG networks revealed by graph filtration based on persistent homology. Scientific Reports, 2017, 7, 41592.	3.3	9
32	Optimal likelihood-ratio multiple testing with application to Alzheimer's disease and questionable dementia. BMC Medical Research Methodology, 2015, 15, 9.	3.1	5
33	Reorganized Brain White Matter in Early- and Late-Onset Deafness With Diffusion Tensor Imaging. Ear and Hearing, 2021, 42, 223-234.	2.1	5
34	Characteristic functional cores revealed by hyperbolic disc embedding and k-core percolation on resting-state fMRI. Scientific Reports, 2022, 12, 4887.	3.3	1
35	[P4–490]: CHANGES OF BRAIN CONNECTIVITY BASED ON METABOLIC PET IMAGING WITH AGING OF AN ALZHEIMER's MOUSE MODEL. Alzheimer's and Dementia, 2017, 13, P1522.	0.8	0
36	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. SoaÂ¡$ceongso'nyeon Jeongsin Yihag, 2016, 27, 64-71.	0.5	0

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37	Hyperbolic disc embedding of functional human brain connectomes using resting-state fMRI. Network Neuroscience, 2022, 6, 745-764.	2.6	0