

Joon-Kyung Seong

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,140
citations

201575

27
h-index

276775

41
g-index

84
all docs

84
docs citations

84
times ranked

3761
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual subject classification for Alzheimer's disease based on incremental learning using a spatial frequency representation of cortical thickness data. <i>NeuroImage</i> , 2012, 59, 2217-2230.	2.1	172
2	Machine learning in biomedical engineering. <i>Biomedical Engineering Letters</i> , 2018, 8, 1-3.	2.1	87
3	Reduced orbitofrontal-thalamic functional connectivity related to suicidal ideation in patients with major depressive disorder. <i>Scientific Reports</i> , 2017, 7, 15772.	1.6	83
4	Biological Brain Age Prediction Using Cortical Thickness Data: A Large Scale Cohort Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 252.	1.7	78
5	Changes in subcortical structures in early- versus late-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013, 34, 1740-1747.	1.5	74
6	Shape Changes of the Basal Ganglia and Thalamus in Alzheimer's Disease: A Three-Year Longitudinal Study. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 285-295.	1.2	69
7	Robust Identification of Alzheimer's Disease subtypes based on cortical atrophy patterns. <i>Scientific Reports</i> , 2017, 7, 43270.	1.6	65
8	Regional A β -tau interactions promote onset and acceleration of Alzheimer's disease tau spreading. <i>Neuron</i> , 2022, 110, 1932-1943.e5.	3.8	64
9	Machine learning based hierarchical classification of frontotemporal dementia and Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2019, 23, 101811.	1.4	62
10	Quantitative comparison and analysis of sulcal patterns using sulcal graph matching: A twin study. <i>NeuroImage</i> , 2011, 57, 1077-1086.	2.1	61
11	Amyloid burden, cerebrovascular disease, brain atrophy, and cognition in cognitively impaired patients. <i>Alzheimer's and Dementia</i> , 2015, 11, 494.	0.4	61
12	Cancer-specific drug-drug nanoparticles of pro-apoptotic and cathepsin B-cleavable peptide-conjugated doxorubicin for drug-resistant cancer therapy. <i>Biomaterials</i> , 2020, 261, 120347.	5.7	60
13	Sweep-based human deformation. <i>Visual Computer</i> , 2005, 21, 542-550.	2.5	58
14	Changes in subcortical shape and cognitive function in patients with chronic insomnia. <i>Sleep Medicine</i> , 2017, 35, 23-26.	0.8	53
15	Anti-PD-L1 peptide-conjugated prodrug nanoparticles for targeted cancer immunotherapy combining PD-L1 blockade with immunogenic cell death. <i>Theranostics</i> , 2022, 12, 1999-2014.	4.6	53
16	Tau positron emission tomography using [18F]THK5351 and cerebral glucose hypometabolism in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 59, 210-219.	1.5	50
17	Evaluation of Diffusion Lesion Volume Measurements in Acute Ischemic Stroke Using Encoder-Decoder Convolutional Network. <i>Stroke</i> , 2019, 50, 1444-1451.	1.0	45
18	A Network Flow-based Analysis of Cognitive Reserve in Normal Ageing and Alzheimer's Disease. <i>Scientific Reports</i> , 2015, 5, 10057.	1.6	43

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19	Cluster-Based Statistics for Brain Connectivity in Correlation with Behavioral Measures. PLoS ONE, 2013, 8, e72332.	1.1	43
20	Machine Learning-based Individual Assessment of Cortical Atrophy Pattern in Alzheimer's Disease Spectrum: Development of the Classifier and Longitudinal Evaluation. Scientific Reports, 2018, 8, 4161.	1.6	39
21	Using Individualized Brain Network for Analyzing Structural Covariance of the Cerebral Cortex in Alzheimer's Patients. Frontiers in Neuroscience, 2016, 10, 394.	1.4	38
22	Hippocampal volume and shape in pure subcortical vascular dementia. Neurobiology of Aging, 2015, 36, 485-491.	1.5	37
23	An Example-Based Multi-Atlas Approach to Automatic Labeling of White Matter Tracts. PLoS ONE, 2015, 10, e0133337.	1.1	36
24	Subcortical shape analysis of progressive mild cognitive impairment in Parkinson's disease. Movement Disorders, 2017, 32, 1447-1456.	2.2	34
25	Hippocampal and cortical atrophy in amyloid-negative mild cognitive impairments: comparison with amyloid-positive mild cognitive impairment. Neurobiology of Aging, 2014, 35, 291-300.	1.5	30
26	White Matter Network Disruption and Cognitive Dysfunction in Neuromyelitis Optica Spectrum Disorder. Frontiers in Neurology, 2018, 9, 1104.	1.1	30
27	Amyloid involvement in subcortical regions predicts cognitive decline. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2368-2376.	3.3	30
28	Spectral-based automatic labeling and refining of human cortical sulcal curves using expert-provided examples. NeuroImage, 2010, 52, 142-157.	2.1	29
29	Automatic extraction of sulcal lines on cortical surfaces based on anisotropic geodesic distance. NeuroImage, 2010, 49, 293-302.	2.1	29
30	A multi-resolution scheme for distortion-minimizing mapping between human subcortical structures based on geodesic construction on Riemannian manifolds. NeuroImage, 2011, 57, 1376-1392.	2.1	25
31	Determination of Optimal Heart Rate Variability Features Based on SVM-Recursive Feature Elimination for Cumulative Stress Monitoring Using ECG Sensor. Sensors, 2018, 18, 2387.	2.1	25
32	White matter tract-specific alterations in male patients with untreated obstructive sleep apnea are associated with worse cognitive function. Sleep, 2020, 43, .	0.6	25
33	Differential heart rate variability and physiological responses associated with accumulated short- and long-term stress in rodents. Physiology and Behavior, 2017, 171, 21-31.	1.0	23
34	Prediction of fast decline in amyloid positive mild cognitive impairment patients using multimodal biomarkers. NeuroImage: Clinical, 2019, 24, 101941.	1.4	21
35	Dysautonomia is associated with structural and functional alterations in Parkinson disease. Neurology, 2019, 92, e1456-e1467.	1.5	21
36	Comparison of Diagnostic Performances Between Cerebrospinal Fluid Biomarkers and Amyloid PET in a Clinical Setting. Journal of Alzheimer's Disease, 2020, 74, 473-490.	1.2	19

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37	Robust estimation of group-wise cortical correspondence with an application to macaque and human neuroimaging studies. <i>Frontiers in Neuroscience</i> , 2015, 9, 210.	1.4	18
38	Association of Dipeptidyl Peptidase-4 Inhibitor Use and Amyloid Burden in Patients With Diabetes and AD-Related Cognitive Impairment. <i>Neurology</i> , 2021, 97, e1110-e1122.	1.5	18
39	Normalization of cortical thickness measurements across different T1 magnetic resonance imaging protocols by novel W-Score standardization. <i>NeuroImage</i> , 2017, 159, 224-235.	2.1	17
40	Distinct Patterns of Rich Club Organization in Alzheimer's Disease and Subcortical Vascular Dementia: A White Matter Network Study. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 977-987.	1.2	17
41	Deformities of the Globus Pallidus are Associated with Severity of Suicidal Ideation and Impulsivity in Patients with Major Depressive Disorder. <i>Scientific Reports</i> , 2019, 9, 7462.	1.6	17
42	Application of an amyloid and tau classification system in subcortical vascular cognitive impairment patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 292-303.	3.3	15
43	[¹⁸ F]THK5351 PET Imaging in Patients with Mild Cognitive Impairment. <i>Journal of Clinical</i>		

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55	Association of Subcortical Structural Shapes With Tau, Amyloid, and Cortical Atrophy in Early-Onset and Late-Onset Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 563559.	1.7	9
56	White matter tract-specific alterations in patients with primary restless legs syndrome. <i>Scientific Reports</i> , 2021, 11, 16116.	1.6	9
57	Group-Wise Cortical Correspondence via Sulcal Curve-Constrained Entropy Minimization. <i>Lecture Notes in Computer Science</i> , 2013, 23, 364-375.	1.0	9
58	The Minkowski sum of two simple surfaces generated by slope-monotone closed curves. , 0, , .		8
59	Perspective silhouette of a general swept volume. <i>Visual Computer</i> , 2006, 22, 109-116.	2.5	8
60	Individual Subject Classification of Mixed Dementia from Pure Subcortical Vascular Dementia Based on Subcortical Shape Analysis. <i>PLoS ONE</i> , 2013, 8, e75602.	1.1	8
61	Multiple cortical thickness sub-networks and cognitive impairments in first episode, drug naïve patients with late life depression: A graph theory analysis. <i>Journal of Affective Disorders</i> , 2018, 229, 538-545.	2.0	8
62	Identifying Brain Connectivity Using Network-Based Statistics in Amnesic Mild Cognitive Impairment Stratified by β -Amyloid Positivity. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2019, 34, 104-111.	0.9	8
63	Local shape volume alterations in subcortical structures of suicide attempters with major depressive disorder. <i>Human Brain Mapping</i> , 2020, 41, 4925-4934.	1.9	7
64	Effects of Alzheimer's and Vascular Pathologies on Structural Connectivity in Early- and Late-Onset Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 606600.	1.4	7
65	Online Learning for Classification of Alzheimer Disease based on Cortical Thickness and Hippocampal Shape Analysis. <i>Healthcare Informatics Research</i> , 2014, 20, 61.	1.0	6
66	Association of subcortical structural shapes with fatigue in neuromyelitis optica spectrum disorder. <i>Scientific Reports</i> , 2022, 12, 1579.	1.6	6
67	Cortical correspondence via sulcal curve-constrained spherical registration with application to Macaque studies. , 2013, 8669, .		5
68	Differences in neuroimaging features of early- versus late-onset nonfluent/agrammatic primary progressive aphasia. <i>Neurobiology of Aging</i> , 2020, 86, 92-101.	1.5	5
69	Effect of education on functional network edge efficiency in Alzheimer's disease. <i>Scientific Reports</i> , 2021, 11, 17255.	1.6	4
70	Contouring 1- and 2-manifolds in arbitrary dimensions. , 0, , .		3
71	Functional connectivity change of the rat brain in response to sensory stimuli using functional near-infrared brain imaging. <i>Biomedical Engineering Letters</i> , 2014, 4, 370-377.	2.1	3
72	Anisotropic geodesic distance computation for parametric surfaces. , 2008, , .		2

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73	Microstructural Connectivity is More Related to Cognition than Conventional MRI in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2021, 11, 239-249.	1.5	2
74	Harmonisation of PET imaging features with different amyloid ligands using machine learning-based classifier. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 321-330.	3.3	1
75	Virtual Display of 3D Computational Human Brain Using Oculus Rift. <i>Lecture Notes in Computer Science</i> , 2016, , 258-265.	1.0	1
76	Harmonization of Multicenter Cortical Thickness Data by Linear Mixed Effect Model. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
77	Special issue on biomedical image informatics. <i>Biomedical Engineering Letters</i> , 2014, 4, 317-318.	2.1	0
78	Distinctive Mediating Effects of Subcortical Structure Changes on the Relationships Between Amyloid or Vascular Changes and Cognitive Decline. <i>Frontiers in Neurology</i> , 2021, 12, 762251.	1.1	0