# Joon-Kyung Seong

List of Publications by Year
in descending order

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|---|---|---|---|
| 78 papers | 2,140 citations | 201385 27 h-index | 276539 41 g-index |
| 84 all docs | 84 docs citations | 84 times ranked | 3761 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Association of subcortical structural shapes with fatigue in neuromyelitis optica spectrum disorder. Scientific Reports, 2022, 12, 1579. | 1.6 | 6 |
| 2 | Anti-PD-L1 peptide-conjugated prodrug nanoparticles for targeted cancer immunotherapy combining PD-L1 blockade with immunogenic cell death. Theranostics, 2022, 12, 1999-2014. | 4.6 | 53 |
| 3 | Regional Aβ-tau interactions promote onset and acceleration of Alzheimer's disease tau spreading. Neuron, 2022, 110, 1932-1943.e5. | 3.8 | 64 |
| 4 | Microstructural Connectivity is More Related to Cognition than Conventional MRI in Parkinson's Disease. Journal of Parkinson's Disease, 2021, 11, 239-249. | 1.5 | 2 |
| 5 | Effects of Alzheimer's and Vascular Pathologies on Structural Connectivity in Early- and Late-Onset Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 606600. | 1.4 | 7 |
| 6 | Harmonisation of PET imaging features with different amyloid ligands using machine learning-based classifier. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 49, 321-330. | 3.3 | 1 |
| 7 | White matter tract-specific alterations in patients with primary restless legs syndrome. Scientific Reports, 2021, 11, 16116. | 1.6 | 9 |
| 8 | Association of Dipeptidyl Peptidase-4 Inhibitor Use and Amyloid Burden in Patients With Diabetes and AD-Related Cognitive Impairment. Neurology, 2021, 97, e1110-e1122. | 1.5 | 18 |
| 9 | Effect of education on functional network edge efficiency in Alzheimer's disease. Scientific Reports, 2021, 11, 17255. | 1.6 | 4 |
| 10 | Distinctive Mediating Effects of Subcortical Structure Changes on the Relationships Between Amyloid or Vascular Changes and Cognitive Decline. Frontiers in Neurology, 2021, 12, 762251. | 1.1 | 0 |
| 11 | Localizing deficits in white matter tracts of patients with narcolepsy with cataplexy: tract-specific statistical analysis. Brain Imaging and Behavior, 2020, 14, 1674-1681. | 1.1 | 12 |
| 12 | Application of an amyloid and tau classification system in subcortical vascular cognitive impairment patients. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 292-303. | 3.3 | 15 |
| 13 | 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 |
| 14 | Staging and quantification of florbetaben PET images using machine learning: impact of predicted regional cortical tracer uptake and amyloid stage on clinical outcomes. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1971-1983. | 3.3 | 13 |
| 15 | Differences in neuroimaging features of early- versus late-onset nonfluent/agrammatic primary progressive aphasia. Neurobiology of Aging, 2020, 86, 92-101. | 1.5 | 5 |
| 16 | Local shape volume alterations in subcortical structures of suicide attempters with major depressive disorder. Human Brain Mapping, 2020, 41, 4925-4934. | 1.9 | 7 |
| 17 | Cancer-specific drug-drug nanoparticles of pro-apoptotic and cathepsin B-cleavable peptide-conjugated doxorubicin for drug-resistant cancer therapy. Biomaterials, 2020, 261, 120347. | 5.7 | 60 |
| 18 | Association of Subcortical Structural Shapes With Tau, Amyloid, and Cortical Atrophy in Early-Onset and Late-Onset Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 563559. | 1.7 | 9 |

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|---|---------|----|-----------|
| 19 | 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 |
| 20 | Identification of Heterogeneous Subtypes of Mild Cognitive Impairment Using Cluster Analyses Based on PET Imaging of Tau and Astrogliosis. Frontiers in Aging Neuroscience, 2020, 12, 615467. | 1.7 | 10 |
| 21 | [18F]THK5351 PET Imaging in Patients with Mild Cognitive Impairment. Journal of Clinical | | |

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|---|---------|-----|-----------|
| 37 | 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 |
| 38 | Amyloid involvement in subcortical regions predicts cognitive decline. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2368-2376. | 3.3 | 30 |
| 39 | Biological Brain Age Prediction Using Cortical Thickness Data: A Large Scale Cohort Study. Frontiers in Aging Neuroscience, 2018, 10, 252. | 1.7 | 78 |
| 40 | Robust Identification of Alzheimer's Disease subtypes based on cortical atrophy patterns. Scientific Reports, 2017, 7, 43270. | 1.6 | 65 |
| 41 | Changes in subcortical shape and cognitive function in patients with chronic insomnia. Sleep Medicine, 2017, 35, 23-26. | 0.8 | 53 |
| 42 | 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 |
| 43 | Subcortical shape analysis of progressive mild cognitive impairment in Parkinson's disease. Movement Disorders, 2017, 32, 1447-1456. | 2.2 | 34 |
| 44 | Normalization of cortical thickness measurements across different T1 magnetic resonance imaging protocols by novel W-Score standardization. NeuroImage, 2017, 159, 224-235. | 2.1 | 17 |
| 45 | Tau positron emission tomography using [18F]THK5351 and cerebral glucose hypometabolism in Alzheimer's disease. Neurobiology of Aging, 2017, 59, 210-219. | 1.5 | 50 |
| 46 | Reduced orbitofrontal-thalamic functional connectivity related to suicidal ideation in patients with major depressive disorder. Scientific Reports, 2017, 7, 15772. | 1.6 | 83 |
| 47 | 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 |
| 48 | Tract-Specific Correlates of Neuropsychological Deficits in Patients with Subcortical Vascular Cognitive Impairment. Journal of Alzheimer's Disease, 2016, 50, 1125-1135. | 1.2 | 11 |
| 49 | Virtual Display of 3D Computational Human Brain Using Oculus Rift. Lecture Notes in Computer Science, 2016, , 258-265. | 1.0 | 1 |
| 50 | A Network Flow-based Analysis of Cognitive Reserve in Normal Ageing and Alzheimer's Disease. Scientific Reports, 2015, 5, 10057. | 1.6 | 43 |
| 51 | Apolipoprotein E4 Affects Topographical Changes in Hippocampal and Cortical Atrophy in Alzheimer's Disease Dementia: A Five-Year Longitudinal Study. Journal of Alzheimer's Disease, 2015, 44, 1075-1085. | 1.2 | 11 |
| 52 | Robust estimation of group-wise cortical correspondence with an application to macaque and human neuroimaging studies. Frontiers in Neuroscience, 2015, 9, 210. | 1.4 | 18 |
| 53 | An Example-Based Multi-Atlas Approach to Automatic Labeling of White Matter Tracts. PLoS ONE, 2015, 10, e0133337. | 1.1 | 36 |
| 54 | Amyloid burden, cerebrovascular disease, brain atrophy, and cognition in cognitively impaired patients. Alzheimer's and Dementia, 2015, 11, 494. | 0.4 | 61 |

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|---|---------|-----|-----------|
| 55 | Hippocampal volume and shape in pure subcortical vascular dementia. Neurobiology of Aging, 2015, 36, 485-491. | 1.5 | 37 |
| 56 | Online Learning for Classification of Alzheimer Disease based on Cortical Thickness and Hippocampal Shape Analysis. Healthcare Informatics Research, 2014, 20, 61. | 1.0 | 6 |
| 57 | Functional connectivity change of the rat brain in response to sensory stimuli using functional near-infrared brain imaging. Biomedical Engineering Letters, 2014, 4, 370-377. | 2.1 | 3 |
| 58 | Special issue on biomedical image informatics. Biomedical Engineering Letters, 2014, 4, 317-318. | 2.1 | 0 |
| 59 | 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 |
| 60 | Shape Changes of the Basal Ganglia and Thalamus in Alzheimer's Disease: A Three-Year Longitudinal Study. Journal of Alzheimer's Disease, 2014, 40, 285-295. | 1.2 | 69 |
| 61 | Changes in subcortical structures in early- versus late-onset Alzheimer's disease. Neurobiology of Aging, 2013, 34, 1740-1747. | 1.5 | 74 |
| 62 | Cortical correspondence via sulcal curve-constrained spherical registration with application to Macaque studies. , 2013, 8669, . | | 5 |
| 63 | Individual Subject Classification of Mixed Dementia from Pure Subcortical Vascular Dementia Based on Subcortical Shape Analysis. PLoS ONE, 2013, 8, e75602. | 1.1 | 8 |
| 64 | Group-Wise Cortical Correspondence via Sulcal Curve-Constrained Entropy Minimization. Lecture Notes in Computer Science, 2013, 23, 364-375. | 1.0 | 9 |
| 65 | Cluster-Based Statistics for Brain Connectivity in Correlation with Behavioral Measures. PLoS ONE, 2013, 8, e72332. | 1.1 | 43 |
| 66 | Individual subject classification for Alzheimer's disease based on incremental learning using a spatial frequency representation of cortical thickness data. NeuroImage, 2012, 59, 2217-2230. | 2.1 | 172 |
| 67 | Cortical surface registration using spherical thin-plate spline with sulcal lines and mean curvature as features. Journal of Neuroscience Methods, 2012, 206, 46-53. | 1.3 | 13 |
| 68 | Quantitative comparison and analysis of sulcal patterns using sulcal graph matching: A twin study. NeuroImage, 2011, 57, 1077-1086. | 2.1 | 61 |
| 69 | 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 |
| 70 | Critical point analysis using domain lifting for fast geometry queries. CAD Computer Aided Design, 2010, 42, 613-624. | 1.4 | 10 |
| 71 | Spectral-based automatic labeling and refining of human cortical sulcal curves using expert-provided examples. NeuroImage, 2010, 52, 142-157. | 2.1 | 29 |
| 72 | Automatic extraction of sulcal lines on cortical surfaces based on anisotropic geodesic distance. NeuroImage, 2010, 49, 293-302. | 2.1 | 29 |

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|---|---------|----|-----------|
| 73 | Anisotropic geodesic distance computation for parametric surfaces. , 2008, , . | | 2 |
| 74 | Perspective silhouette of a general swept volume. Visual Computer, 2006, 22, 109-116. | 2.5 | 8 |
| 75 | Sweep-based human deformation. Visual Computer, 2005, 21, 542-550. | 2.5 | 58 |
| 76 | The Minkowski sum of two simple surfaces generated by slope-monotone closed curves. , 0, , . | | 8 |
| 77 | Contouring 1- and 2-manifolds in arbitrary dimensions. , 0, , . | | 3 |
| 78 | Harmonization of Multicenter Cortical Thickness Data by Linear Mixed Effect Model. Frontiers in Aging Neuroscience, 0, 14, . | 1.7 | 1 |