Jee Hoon Roh

List of Publications by Year
in descending order

98 papers	4,282 citations	279798 23 h-index	114465 63 g-index
115 all docs	115 docs citations	115 times ranked	7354 citing authors

#	Article	IF	Citations
1	Neuronal activity regulates the regional vulnerability to amyloid-β deposition. Nature Neuroscience, 2011, 14, 750-756.	14.8	744
2	Serum neurofilament dynamics predicts neurodegeneration and clinical progression in presymptomatic Alzheimer's disease. Nature Medicine, 2019, 25, 277-283.	30.7	610
3	Disruption of the Sleep-Wake Cycle and Diurnal Fluctuation of β-Amyloid in Mice with Alzheimer's Disease Pathology. Science Translational Medicine, 2012, 4, 150ra122.	12.4	454
4	Circadian clock proteins regulate neuronal redox homeostasis and neurodegeneration. Journal of Clinical Investigation, 2013, 123, 5389-5400.	8.2	393
5	A soluble phosphorylated tau signature links tau, amyloid and the evolution of stages of dominantly inherited Alzheimer's disease. Nature Medicine, 2020, 26, 398-407.	30.7	351
6	An atlas of cortical circular RNA expression in Alzheimer disease brains demonstrates clinical and pathological associations. Nature Neuroscience, 2019, 22, 1903-1912.	14.8	242
7	Potential role of orexin and sleep modulation in the pathogenesis of Alzheimer's disease. Journal of Experimental Medicine, 2014, 211, 2487-2496.	8.5	189
8	Translational profiling of hypocretin neurons identifies candidate molecules for sleep regulation. Genes and Development, 2013, 27, 565-578.	5.9	87
9	Recent Updates on Subcortical Ischemic Vascular Dementia. Journal of Stroke, 2014, 16, 18.	3.2	78
10	Enhancing surface functionality of reduced graphene oxide biosensors by oxygen plasma treatment for Alzheimer's disease diagnosis. Biosensors and Bioelectronics, 2017, 92, 610-617.	10.1	70
11	Volume reduction in subcortical regions according to severity of Alzheimer's disease. Journal of Neurology, 2011, 258, 1013-1020.	3.6	66
12	Region and frequency specific changes of spectral power in Alzheimer's disease and mild cognitive impairment. Clinical Neurophysiology, 2011, 122, 2169-2176.	1.5	63
13	Prediction of Alzheimer's disease pathophysiology based on cortical thickness patterns. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2016, 2, 58-67.	2.4	58
14	Neural substrates of cognitive reserve in Alzheimer's disease spectrum and normal aging. NeuroImage, 2019, 186, 690-702.	4.2	58
15	Cortical asymmetries in normal, mild cognitive impairment, and Alzheimer's disease. Neurobiology of Aging, 2012, 33, 1959-1966.	3.1	57
16	The relationship of pain and health-related quality of life in Korean patients with Parkinson's disease. Acta Neurologica Scandinavica, 2009, 119, 397-403.	2.1	43
17	Accelerated functional brain aging in pre-clinical familial Alzheimer's disease. Nature Communications, 2021, 12, 5346.	12.8	43
18	The clinical feasibility of deep learning-based classification of amyloid PET images in visually equivocal cases. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 332-341.	6.4	37

#	ARTICLE	IF	CITATIONS
19	Development and Validation of a Deep Learning–Based Automatic Brain Segmentation and Classification Algorithm for Alzheimer Disease Using 3D T1-Weighted Volumetric Images. American Journal of Neuroradiology, 2020, 41, 2227-2234.	2.4	37
20	Cardiovascular Risk Factors Cause Cortical Thinning in Cognitively Impaired Patients. Alzheimer Disease and Associated Disorders, 2012, 26, 106-112.	1.3	36
21	Comparative analyses of plasma amyloid-β levels in heterogeneous and monomerized states by interdigitated microelectrode sensor system. Science Advances, 2019, 5, eaav1388.	10.3	34
22	Amyloid and Tau Pathology Associations With Personality Traits, Neuropsychiatric Symptoms, and Cognitive Lifestyle in the Preclinical Phases of Sporadic and Autosomal Dominant Alzheimer's Disease. Biological Psychiatry, 2021, 89, 776-785.	1.3	30
23	Spectral-based automatic labeling and refining of human cortical sulcal curves using expert-provided examples. NeuroImage, 2010, 52, 142-157.	4.2	29
24	iPSC Modeling of Presenilin1 Mutation in Alzheimer's Disease with Cerebellar Ataxia. Experimental Neurobiology, 2018, 27, 350-364.	1.6	25
25	Analysis of frontotemporal dementia, amyotrophic lateral sclerosis, and other dementia-related genes in 107 Korean patients with frontotemporal dementia. Neurobiology of Aging, 2018, 72, 186.e1-186.e7.	3.1	25
26	Reversible Injury of Internal Capsule and Splenium in a Patient with Transient Hypoglycemic Hemiparesis. Cerebrovascular Diseases, 2006, 22, 282-283.	1.7	24
27	The Efficacy of Cognitive Intervention Programs for Mild Cognitive Impairment: A Systematic Review.. Current Alzheimer Research, 2015, 12, 527-542.	1.4	21
28	Ultrasonographic findings of shoulder disorders in patients with Parkinson's disease. Movement Disorders, 2008, 23, 1772-1776.	3.9	20
29	Differences in gray and white matter 18F-THK5351 uptake between behavioral-variant frontotemporal dementia and other dementias. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 357-366.	6.4	19
30	Comparison of Amyloid β and Tau Spread Models in Alzheimer's Disease. Cerebral Cortex, 2019, 29, 4291-4302.	2.9	19
31	Cortical Laminar Necrosis Caused by Rapidly Corrected Hyponatremia. Journal of Neuroimaging, 2009, 19, 185-187.	2.0	17
32	White Matter Changes May Precede Gray Matter Loss in Elderly with Subjective Memory Impairment. Dementia and Geriatric Cognitive Disorders, 2016, 42, 227-235.	1.5	17
33	Normalization of cortical thickness measurements across different T1 magnetic resonance imaging protocols by novel W-Score standardization. NeuroImage, 2017, 159, 224-235.	4.2	17
34	Cerebellar Atrophy in Patients with Subcortical-Type Vascular Cognitive Impairment. Cerebellum, 2013, 12, 35-42.	2.5	16
35	Clinical Evaluation of 18F-PI-2620 as a Potent PET Radiotracer Imaging Tau Protein in Alzheimer Disease and Other Neurodegenerative Diseases Compared With 18F-THK-5351. Clinical Nuclear Medicine, 2020, 45, 841-847.	1.3	16
36	Cortical Thinning in Verbal, Visual, and Both Memory-predominant Mild Cognitive Impairment. Alzheimer Disease and Associated Disorders, 2011, 25, 242-249.	1.3	15

#	ARTICLE	IF	CITATIONS
37	A Consensus in Korea Regarding a Protocol to Reduce Preanalytical Sources of Variability in the Measurement of the Cerebrospinal Fluid Biomarkers of Alzheimer's Disease. Journal of Clinical		

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55	Amyloid Beta-Weighted Cortical Thickness: A New Imaging Biomarker in Alzheimer's Disease. Current Alzheimer Research, 2015, 12, 563-571.	1.4	5
56	^{18}F-THK5351 PET Positivity and Longitudinal Changes in Cognitive Function in β-Amyloid-Negative Amnestic Mild Cognitive Impairment. Yonsei Medical Journal, 2022, 63, 259.	2.2	5
57	Teaching Neuro *Image* : Diverse MRI signal intensities with Wernicke encephalopathy. Neurology, 2008, 70, e48.	1.1	4
58	Medulla compression caused by vertebral artery dolichoectasia. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 222-222.	1.9	4
59	Human Herpes Virus 6 Encephalitis Following Bone Marrow Transplantation with Uncommon Magnetic Resonance Imaging Findings. Dementia and Neurocognitive Disorders, 2016, 15, 88.	1.4	4
60	Role of White Matter Abnormalities in the Relationship Between Microbleed Burden and Cognitive Impairment in Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2022, 86, 667-678.	2.6	3
61	[^{18}F]THK-5351 PET Patterns in Patients With Alzheimer's Disease and Negative Amyloid PET		

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73	P3-229: CLINICAL CHARACTERISTICS AND MRI FINDINGS IN PATIENTS WITH CAA. , 2014, 10, P714-P715.		0
74	P4-125: SCHELTENS' VISUAL RATING SCALE IN ALZHEIMER'S DEMENTIA: ARE WE AFFECTED BY THE DEGREE OF GENERALIZED CORTICAL ATROPHY WHILE RATING?. , 2014, 10, P831-P831.		0
75	P1-201: CEREBROVASCULAR ATHEROSCLEROSIS AND COGNITION IN PATIENTS WITH ALZHEIMER'S DISEASE. , 2014, 10, P377-P377.		0
76	P2-187: PATTERNS OF HIPPOCAMPAL SHAPE CHANGES IN PATIENTS WITH FRONTOTEMPORAL DEMENTIA. , 2014, 10, P539-P539.		0
77	P2-143: Prediction of Alzheimer's disease pathophysiology based on cortical thickness patterns. , 2015, 11, P541-P541.		0
78	P4â€183: Regional Amyloid Burden and Lacunar Infarct in Pure Subcortical Vascular Cognitive Impairment. Alzheimer's and Dementia, 2016, 12, P1090.	0.8	0
79	P4â€197: Clinical Implication of Amyloidâ€Beta Accumulation in Occipital Lobes Using a [18F]â€Florbetaben PET. Alzheimer's and Dementia, 2016, 12, P1099.	0.8	0
80	O3â€02â€06: Regional Comparison of Imaging Biomarkers in the Striatum Between Early Versus Lateâ€Onset Alzheimerâ€™s Disease. Alzheimer's and Dementia, 2016, 12, P284.	0.8	0
81	[P1â€"129]: PREDICTION MODEL OF TAU PROPAGATION IN AD SPECTRUM USING FUNCTIONAL NETWORK. Alzheimer's and Dementia, 2017, 13, P291.	0.8	0
82	[P2â€"361]: SURFACEâ€BASED ANALYSIS OF SUBâ€CORTICAL STRUCTURES IN TAU AND AMYLOID PET IMAGING: AN ALZHEIMER'S DISEASE STUDY. Alzheimer's and Dementia, 2017, 13, P762.	0.8	0
83	[P2â€"406]: IN VIVO BRAAK STAGING OF AMNESTIC MCI USING ¹⁸Fâ€THK5351 PET IMAGING. Alzheimer's and Dementia, 2017, 13, P786.	0.8	0
84	[P2â€"424]: PROTECTIVE EFFECTS OF EDUCATION ON THKâ€5351 UPTAKES IN MILD COGNITIVE IMPAIRMENT WITH SUSPECTED NONâ€ALZHEIMER PATHOLOGY. Alzheimer's and Dementia, 2017, 13, P798.	0.8	0
85	[P3â€"319]: MILD COGNITIVE IMPAIRMENT CLASSIFICATION USING DEEP LEARNING. Alzheimer's and Dementia, 2017, 13, P1070.	0.8	0
86	[P3â€"337]: THK5351 UPTAKES IN EARLY AND LATE STAGES OF AMNESTIC MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2017, 13, P1082.	0.8	0
87	[P3â€"383]: REGIONAL CANONICAL ASSOCIATION OF AMYLOIDâ€BETA AND GLUCOSE METABOLISM SUGGESTIVE OF EARLY BRAIN DYSFUNCTIONS IN NORMAL ELDERLY WITH APOEÎµ4 ALLELE. Alzheimer's and Dementia, 2017, 13, P1106.	0.8	0
88	[P4â€"046]: PARTIAL VOLUME SUSCEPTIBILITY OF TAU PET: REGIONWISE ASSESSMENT AND COMPARISON WITH AMYLOID PET. Alzheimer's and Dementia, 2017, 13, P1274.	0.8	0
89	[P1â€"132]: IMPROVEMENT OF CORTICAL THICKNESS COMPATIBILITY BETWEEN DIFFERENT MRI T1 PROTOCOLS BY Wâ€SCORE STANDARDIZATION. Alzheimer's and Dementia, 2017, 13, P292.	0.8	0
90	[P4â€"253]: QUANTITATIVE ANALYSIS AND CORRELATION WITH COGNITIVE FUNCTION OF Fâ€18 THKâ€5351 PET IN SUBJECTIVE MEMORY IMPAIRMENT, MILD COGNITIVE IMPAIRMENT, AND ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P1377.	0.8	0

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91	[P1–454]: POSITIVE ASSOCIATION BETWEEN EDUCATION AND THK–5351 UPTAKES IN PATIENTS WITH ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P460.	0.8	0
92	[O1–08–01]: PATTERNS OF REGIONAL TAU ACCUMULATION INDICATIVE OF THREE DIFFERENT TYPES OF ALZHEIMER'S DISEASE (AD): THK5351–PET–BASED REPLICATION OF PATHOLOGY–BASED AD CLASSIFICATION. Alzheimer's and Dementia, 2017, 13, P206.	0.8	0
93	P2–359: RELATION NETWORKS OF NEURODEGENERATION IN ALZHEIMER'S DISEASE SPECTRUM: TAU, AMYLOID, AND CORTICAL ATROPHY. Alzheimer's and Dementia, 2018, 14, P827.	0.8	0
94	P1–396: COGNITION AND NEUROFIBRILLARY DEGENERATION IN PATIENTS WITH AMYLOID–NEGATIVE MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P454.	0.8	0
95	P2–236: SLEEP CHANGES IN ALZHEIMER'S DISEASE SPECTRUM DISORDERS MEASURED BY A PORTABLE POLYSOMNOGRAPHY. Alzheimer's and Dementia, 2018, 14, P762.	0.8	0
96	P3–089: DATA–DRIVEN PATHOLOGICAL POSITIVITY OF ALZHEIMER DISEASE: AN EXPLORATORY STUDY OF DYNAMIC BIOMARKER CAUSALITY. Alzheimer's and Dementia, 2018, 14, P1099.	0.8	0
97	P3–433: NEURAL SUBSTRATES OF COGNITIVE RESERVE IN THE ALZHEIMER'S DISEASE SPECTRUM. Alzheimer's and Dementia, 2018, 14, P1277.	0.8	0
98	Survival in Korean Patients with Frontotemporal Dementia Syndrome: Association with Behavioral Features and Parkinsonism. Journal of Clinical Medicine, 2022, 11, 2260.	2.4	0