

Jae Yong Choi

List of Publications by Year in descending order

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71
papers

1,942
citations

331670

21
h-index

265206

42
g-index

73
all docs

73
docs citations

73
times ranked

2597
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo cortical spreading pattern of tau and amyloid in the Alzheimer disease spectrum. <i>Annals of Neurology</i> , 2016, 80, 247-258.	5.3	375
2	Tau PET in Alzheimer disease and mild cognitive impairment. <i>Neurology</i> , 2016, 87, 375-383.	1.1	208
3	Accuracy of Tau Positron Emission Tomography as a Prognostic Marker in Preclinical and Prodromal Alzheimer Disease. <i>JAMA Neurology</i> , 2021, 78, 961.	9.0	148
4	Subcortical ¹⁸ F-AV-1451 binding patterns in progressive supranuclear palsy. <i>Movement Disorders</i> , 2017, 32, 134-140.	3.9	109
5	Assessment of Demographic, Genetic, and Imaging Variables Associated With Brain Resilience and Cognitive Resilience to Pathological Tau in Patients With Alzheimer Disease. <i>JAMA Neurology</i> , 2020, 77, 632.	9.0	80
6	Progressive Tau Accumulation in Alzheimer Disease: 2-Year Follow-up Study. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1611-1621.	5.0	75
7	Distinct tau PET patterns in atrophy-defined subtypes of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, 335-344.	0.8	73
8	Off-Target ¹⁸ F-AV-1451 Binding in the Basal Ganglia Correlates with Age-Related Iron Accumulation. <i>Journal of Nuclear Medicine</i> , 2018, 59, 117-120.	5.0	70
9	Excessive tau accumulation in the parieto-occipital cortex characterizes early-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2017, 53, 103-111.	3.1	66
10	¹⁸ F-AV-1451 binds to motor-related subcortical gray and white matter in corticobasal syndrome. <i>Neurology</i> , 2017, 89, 1170-1178.	1.1	56
11	Distinct patterns of amyloid-dependent tau accumulation in Lewy body diseases. <i>Movement Disorders</i> , 2018, 33, 262-272.	3.9	54
12	Head to head comparison of [18F] AV-1451 and [18F] THK5351 for tau imaging in Alzheimer's disease and frontotemporal dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 432-442.	6.4	51
13	Predicted sequence of cortical tau and amyloid- β^2 deposition in Alzheimer disease spectrum. <i>Neurobiology of Aging</i> , 2018, 68, 76-84.	3.1	39
14	Environmental enrichment enhances synaptic plasticity by internalization of striatal dopamine transporters. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2122-2133.	4.3	31
15	Inhibition of Colony-Stimulating Factor 1 Receptor by PLX3397 Prevents Amyloid Beta Pathology and Rescues Dopaminergic Signaling in Aging 5xFAD Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5553.	4.1	30
16	Age dependency of mGluR5 availability in 5xFAD mice measured by PET. <i>Neurobiology of Aging</i> , 2019, 84, 208-216.	3.1	27
17	The impact of demographic, clinical, genetic, and imaging variables on tau PET status. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2245-2258.	6.4	27
18	¹⁸ F-AV-1451 binds to putamen in multiple system atrophy. <i>Movement Disorders</i> , 2017, 32, 171-173.	3.9	26

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19	Evaluation of the Neuroprotective Effect of Microglial Depletion by CSF-1R Inhibition in a Parkinson's Animal Model. <i>Molecular Imaging and Biology</i> , 2020, 22, 1031-1042.	2.6	26
20	A β pathology downregulates brain mGluR5 density in a mouse model of Alzheimer. <i>Neuropharmacology</i> , 2018, 133, 512-517.	4.1	25
21	Feasibility of Computed Tomography-Guided Methods for Spatial Normalization of Dopamine Transporter Positron Emission Tomography Image. <i>PLoS ONE</i> , 2015, 10, e0132585.	2.5	25
22	Relationship between dopamine deficit and the expression of depressive behavior resulted from alteration of serotonin system. <i>Synapse</i> , 2015, 69, 453-460.	1.2	24
23	Temporal trajectories of in vivo tau and amyloid- β accumulation in Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2879-2886.	6.4	24
24	Early Detection of A β Deposition in the 5xFAD Mouse by Amyloid PET. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-7.	0.8	23
25	Evaluation of the neuroprotective effect of taurine in Alzheimer's disease using functional molecular imaging. <i>Scientific Reports</i> , 2020, 10, 15551.	3.3	23
26	18F-AV-1451 PET Imaging in Three Patients with Probable Cerebral Amyloid Angiopathy. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 711-716.	2.6	18
27	Predominant subcortical accumulation of 18 F-flortaucipir binding in behavioral variant frontotemporal dementia. <i>Neurobiology of Aging</i> , 2018, 66, 112-121.	3.1	15
28	18F-Mefway PET Imaging of Serotonin 1A Receptors in Humans: A Comparison with 18F-FCWAY. <i>PLoS ONE</i> , 2015, 10, e0121342.	2.5	14
29	Effective MicroPET imaging of brain 5-HT _{1A} receptors in rats with [¹⁸ F]MeFWAY by suppression of radioligand defluorination. <i>Synapse</i> , 2012, 66, 1015-1023.	1.2	13
30	Evaluation of dopamine transporters and D2 receptors in hemiparkinsonian rat brains in vivo using consecutive PET scans of [18F]FPCIT and [18F]fallypride. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2689-2694.	1.5	13
31	Human Radiation Dosimetry of [18F]AV-1451(T807) to Detect Tau Pathology. <i>Molecular Imaging and Biology</i> , 2016, 18, 479-482.	2.6	13
32	Tau Accumulation in Primary Motor Cortex of Variant Alzheimer's Disease with Spastic Paraparesis. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 671-675.	2.6	13
33	Acute physical stress induces the alteration of the serotonin 1A receptor density in the hippocampus. <i>Synapse</i> , 2014, 68, 363-368.	1.2	12
34	18F-flortaucipir uptake patterns in clinical subtypes of primary progressive aphasia. <i>Neurobiology of Aging</i> , 2019, 75, 187-197.	3.1	12
35	Preliminary PET Study of [¹⁸ F]FC119S in Normal and Alzheimer's Disease Models. <i>Molecular Pharmaceutics</i> , 2017, 14, 3114-3120.	4.6	10
36	The Impact of Amyloid- β or Tau on Cognitive Change in the Presence of Severe Cerebrovascular Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 78, 573-585.	2.6	10

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37	Tau Positron Emission Tomography Imaging in Degenerative Parkinsonisms. Journal of Movement Disorders, 2018, 11, 1-12.	1.3	9
38	Optimization of the radiosynthesis of [¹⁸ F]MEFWAY for imaging brain serotonin 1A receptors by using the GE TracerLab FX ^{Pro} module. Journal of Labelled Compounds and Radiopharmaceuticals, 2013, 56, 589-594.	1.0	8
39	Combined Model of Aggregation and Network Diffusion Recapitulates Alzheimer's Regional Tau-Positron Emission Tomography. Brain Connectivity, 2021, 11, 624-638.	1.7	8
40	A Computed Tomography-Based Spatial Normalization for the Analysis of [¹⁸ F] Fluorodeoxyglucose Positron Emission Tomography of the Brain. Korean Journal of Radiology, 2014, 15, 862.	3.4	7
41	Therapeutic Effects of Aripiprazole in the 5xFAD Alzheimer's Disease Mouse Model. International Journal of Molecular Sciences, 2021, 22, 9374.	4.1	7
42	Effects of hypothyroidism on serotonin 1A receptors in the rat brain. Psychopharmacology, 2018, 235, 729-736.	3.1	6
43	P-Glycoprotein, not BCRP, Limits the Brain Uptake of [18F]Mefway in Rodent Brain. Molecular Imaging and Biology, 2016, 18, 267-273.	2.6	5
44	Determination of optimal acquisition time of [18F]FCWAY PET for imaging serotonin 1A receptors in the healthy male subjects. Applied Radiation and Isotopes, 2014, 89, 141-145.	1.5	4
45	Dopaminergic neuron destruction reduces hippocampal serotonin 1A receptor uptake of trans-[18F]Mefway. Applied Radiation and Isotopes, 2014, 94, 30-34.	1.5	4
46	[18F]FPEB and [18F]FDEGPECO comparative study of mGlu5 quantification in rodent brain. Applied Radiation and Isotopes, 2015, 98, 103-107.	1.5	4
47	Translational possibility of [¹⁸ F]Mefway to image serotonin 1A receptors in humans: Comparison with [¹⁸ F]FCWAY in rodents. Synapse, 2014, 68, 595-603.	1.2	3
48	Biodistribution and Radiation Dosimetry of [18F]Mefway in Humans. Molecular Imaging and Biology, 2016, 18, 803-806.	2.6	3
49	Optimal timing of [18F]Mefway PET for imaging the serotonin 1A receptor in healthy male subjects. Applied Radiation and Isotopes, 2016, 107, 127-132.	1.5	3
50	Preparing a ⁶⁸ Ga-labeled Arginine Glycine Aspartate (RGD)-peptide for Angiogenesis. Journal of Visualized Experiments, 2019, , .	0.3	3
51	Validation of Image Qualities of a Novel Four-Mice Bed PET System as an Oncological and Neurological Analysis Tool. Journal of Imaging, 2021, 7, 43.	3.0	3
52	Time and cost effective production of sodium [18F]fluoride using a dedicated automation module with disposable cassettes for GMP environment. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 983-987.	1.5	2
53	P232: TAU Burden and Cognition in Early-Onset Versus Late-Onset Alzheimer's Disease Spectrum. Alzheimer's and Dementia, 2016, 12, P711.	0.8	1
54	O4-07-04: In Vivo Cortical Spreading Pattern of TAU and Amyloid Pathology in the Alzheimer's Disease Spectrum. , 2016, 12, P349-P349.		1

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55	[P1â€“386]: DISTINCT TAU ACCUMULATION PATTERN IN DEMENTIA WITH LEWY BODY. Alzheimer's and Dementia, 2017, 13, P414.	0.8	1
56	Effects of Pâ€“gp and Bcrp as brain efflux transporters on the uptake of [¹⁸ F]FPEB in the murine brain. Synapse, 2019, 73, e22123.	1.2	1
57	Developmental complex trauma induces the dysfunction of the amygdala-mPFC circuit in the serotonergic and dopaminergic systems. Biochemical and Biophysical Research Communications, 2022, 605, 104-110.	2.1	1
58	P3-263: TAU PET in Alzheimerâ€™S Disease and Mild Cognitive Impairment. , 2016, 12, P933-P933.		0
59	Synthesis and Preliminary Evaluation of ⁶⁸ Gaâ€“NOTAâ€“Biphenylâ€“(RGDyK) for the Quantification of Integrin Î± _v Î² ₃ . Bulletin of the Korean Chemical Society, 2017, 38, 1415-1418.	1.9	0
60	[S2â€“01â€“04]: IN VIVO CORTICAL SPREADING OF TAU AND AMYLOID. Alzheimer's and Dementia, 2017, 13, P540.	0.8	0
61	[P1â€“224]: ¹⁸ Fâ€“AV1451 PET IMAGING IN SUBCORTICAL VASCULAR COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2017, 13, P329.	0.8	0
62	[P2â€“346]: EXCESSIVE NEOCORTICAL TAU ACCUMULATION IN DOWN SYNDROME. Alzheimer's and Dementia, 2017, 13, P754.	0.8	0
63	[ICâ€“Pâ€“179]: PRINCIPAL COMPONENT ANALYSIS OF TAU PET IN ALZHEIMER'S DISEASE AND HEALTHY ELDERLY. Alzheimer's and Dementia, 2017, 13, P133.	0.8	0
64	[P1â€“365]: PREDOMINANT SUBCORTICAL ¹⁸ Fâ€“AVâ€“1451 BINDING IN BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA. Alzheimer's and Dementia, 2017, 13, P399.	0.8	0
65	[P2â€“342]: ¹⁸ Fâ€“AVâ€“1451 BINDS TO THE MOTORâ€“RELATED SUBCORTICAL GRAY AND WHITE MATTER IN CORTICOBASAL SYNDROME. Alzheimer's and Dementia, 2017, 13, P753.	0.8	0
66	P1â€“382: COMPARISON OF AD PATHOLOGIES IN HYPERTENSIVE SUBCORTICAL VASCULAR COGNITIVE IMPAIRMENT AND CEREBRAL AMYLOID ANGIOPATHY. Alzheimer's and Dementia, 2018, 14, P445.	0.8	0
67	ICâ€“Pâ€“078: CLINICAL SIGNIFICANCE OF A/T/N SYSTEM IN SUBCORTICAL VASCULAR COGNITIVE IMPAIRMENT PATIENTS. Alzheimer's and Dementia, 2018, 14, P69.	0.8	0
68	P1â€“383: ¹⁸ Fâ€“FLORTAUCIPIR BINDING PATTERNS IN CLINICAL SUBTYPES OF PRIMARY PROGRESSIVE APHASIA. Alzheimer's and Dementia, 2018, 14, P446.	0.8	0
69	ICâ€“Pâ€“164: MEDIAL TEMPORAL TAU CAN BE A PREDICTOR OF AMYLOIDâ€“POSITIVITY IN MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2019, 15, P130.	0.8	0
70	ICâ€“Pâ€“163: TEMPORAL TRAJECTORIES OF IN VIVO TAU AND AMYLOIDâ€“ACCUMULATION IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2019, 15, P130.	0.8	0
71	Effect of Short-Term LTE RF-EMF Exposure on Dopamine Signaling and Behaviors in Mice. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 847-850.	0.3	0