

Jae Yong Choi

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,942
citations

331670

21
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265206

42
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73
all docs

73
docs citations

73
times ranked

2597
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Developmental complex trauma induces the dysfunction of the amygdala-mPFC circuit in the serotonergic and dopaminergic systems. <i>Biochemical and Biophysical Research Communications</i> , 2022, 605, 104-110. | 2.1 | 1 |
| 2 | 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 |
| 3 | Validation of Image Qualities of a Novel Four-Mice Bed PET System as an Oncological and Neurological Analysis Tool. <i>Journal of Imaging</i> , 2021, 7, 43. | 3.0 | 3 |
| 4 | Combined Model of Aggregation and Network Diffusion Recapitulates Alzheimer's Regional Tau-Positron Emission Tomography. <i>Brain Connectivity</i> , 2021, 11, 624-638. | 1.7 | 8 |
| 5 | Therapeutic Effects of Aripiprazole in the 5xFAD Alzheimer's Disease Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9374. | 4.1 | 7 |
| 6 | 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 |
| 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 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Effect of Short-Term LTE RF-EMF Exposure on Dopamine Signaling and Behaviors in Mice. <i>The Journal of Korean Institute of Electromagnetic Engineering and Science</i> , 2020, 31, 847-850. | 0.3 | 0 |
| 15 | Age dependency of mGluR5 availability in 5xFAD mice measured by PET. <i>Neurobiology of Aging</i> , 2019, 84, 208-216. | 3.1 | 27 |
| 16 | Effects of P-gp and Bcrp as brain efflux transporters on the uptake of [¹⁸ F]FPEB in the murine brain. <i>Synapse</i> , 2019, 73, e22123. | 1.2 | 1 |
| 17 | Preparing a ⁶⁸ Ga-labeled Arginine Glycine Aspartate (RGD)-peptide for Angiogenesis. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.3 | 3 |
| 18 | Progressive Tau Accumulation in Alzheimer Disease: 2-Year Follow-up Study. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1611-1621. | 5.0 | 75 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | ICâ€Pâ€163: TEMPORAL TRAJECTORIES OF IN VIVO TAU AND AMYLOIDâ€ ^{Î²} ACCUMULATION IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2019, 15, P130. | 0.8 | 0 |
| 21 | 18F-flortaucipir uptake patterns in clinical subtypes of primary progressive aphasia. Neurobiology of Aging, 2019, 75, 187-197. | 3.1 | 12 |
| 22 | Predicted sequence of cortical tau and amyloid- ^{Î²} deposition in Alzheimer disease spectrum. Neurobiology of Aging, 2018, 68, 76-84. | 3.1 | 39 |
| 23 | A ^{Î²} pathology downregulates brain mGluR5 density in a mouse model of Alzheimer. Neuropharmacology, 2018, 133, 512-517. | 4.1 | 25 |
| 24 | Predominant subcortical accumulation of 18 F-flortaucipir binding in behavioral variant frontotemporal dementia. Neurobiology of Aging, 2018, 66, 112-121. | 3.1 | 15 |
| 25 | Distinct patterns of amyloidâ€dependent tau accumulation in Lewy body diseases. Movement Disorders, 2018, 33, 262-272. | 3.9 | 54 |
| 26 | Effects of hypothyroidism on serotonin 1A receptors in the rat brain. Psychopharmacology, 2018, 235, 729-736. | 3.1 | 6 |
| 27 | Head to head comparison of [18F] AV-1451 and [18F] THK5351 for tau imaging in Alzheimerâ€™s disease and frontotemporal dementia. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 432-442. | 6.4 | 51 |
| 28 | Off-Target ¹⁸ F-AV-1451 Binding in the Basal Ganglia Correlates with Age-Related Iron Accumulation. Journal of Nuclear Medicine, 2018, 59, 117-120. | 5.0 | 70 |
| 29 | 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 |
| 30 | 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 |
| 31 | P1â€383: ¹⁸ F-FLORTAUCIPIR BINDING PATTERNS IN CLINICAL SUBTYPES OF PRIMARY PROGRESSIVE APHASIA. Alzheimer's and Dementia, 2018, 14, P446. | 0.8 | 0 |
| 32 | Early Detection of A ^{Î²} Deposition in the 5xFAD Mouse by Amyloid PET. Contrast Media and Molecular Imaging, 2018, 2018, 1-7. | 0.8 | 23 |
| 33 | Tau Positron Emission Tomography Imaging in Degenerative Parkinsonisms. Journal of Movement Disorders, 2018, 11, 1-12. | 1.3 | 9 |
| 34 | Excessive tau accumulation in the parieto-occipital cortex characterizes early-onset Alzheimer's disease. Neurobiology of Aging, 2017, 53, 103-111. | 3.1 | 66 |
| 35 | 18F-AV-1451 PET Imaging in Three Patients with Probable Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2017, 57, 711-716. | 2.6 | 18 |
| 36 | ¹⁸ F-â€AVâ€1451 binds to putamen in multiple system atrophy. Movement Disorders, 2017, 32, 171-173. | 3.9 | 26 |

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|----|--|-----|-----------|
| 37 | Preliminary PET Study of ¹⁸ F-FC119S in Normal and Alzheimer's Disease Models. Molecular Pharmaceutics, 2017, 14, 3114-3120. | 4.6 | 10 |
| 38 | ¹⁸ F-AV-1451 binds to motor-related subcortical gray and white matter in corticobasal syndrome. Neurology, 2017, 89, 1170-1178. | 1.1 | 56 |
| 39 | Synthesis and Preliminary Evaluation of ⁶⁸ Ga- ¹⁸ F-NOTA-Biphenyl-RGDyK for the Quantification of Integrin $\alpha_v\beta_3$. Bulletin of the Korean Chemical Society, 2017, 38, 1415-1418. | 1.9 | 0 |
| 40 | [S20104]: IN VIVO CORTICAL SPREADING OF TAU AND AMYLOID. Alzheimer's and Dementia, 2017, 13, P540. | 0.8 | 0 |
| 41 | Subcortical ¹⁸ F-AV-1451 binding patterns in progressive supranuclear palsy. Movement Disorders, 2017, 32, 134-140. | 3.9 | 109 |
| 42 | [P1224]: ¹⁸ F-AV-1451 PET IMAGING IN SUBCORTICAL VASCULAR COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2017, 13, P329. | 0.8 | 0 |
| 43 | [P2346]: EXCESSIVE NEOCORTICAL TAU ACCUMULATION IN DOWN SYNDROME. Alzheimer's and Dementia, 2017, 13, P754. | 0.8 | 0 |
| 44 | [ICP179]: PRINCIPAL COMPONENT ANALYSIS OF TAU PET IN ALZHEIMER'S DISEASE AND HEALTHY ELDERLY. Alzheimer's and Dementia, 2017, 13, P133. | 0.8 | 0 |
| 45 | [P1365]: PREDOMINANT SUBCORTICAL ¹⁸ F-AV-1451 BINDING IN BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA. Alzheimer's and Dementia, 2017, 13, P399. | 0.8 | 0 |
| 46 | [P1386]: DISTINCT TAU ACCUMULATION PATTERN IN DEMENTIA WITH LEWY BODY. Alzheimer's and Dementia, 2017, 13, P414. | 0.8 | 1 |
| 47 | [P2342]: ¹⁸ F-AV-1451 BINDS TO THE MOTOR-RELATED SUBCORTICAL GRAY AND WHITE MATTER IN CORTICOBASAL SYNDROME. Alzheimer's and Dementia, 2017, 13, P753. | 0.8 | 0 |
| 48 | In vivo cortical spreading pattern of tau and amyloid in the Alzheimer disease spectrum. Annals of Neurology, 2016, 80, 247-258. | 5.3 | 375 |
| 49 | P2232: TAU Burden and Cognition in Early-Onset Versus Late-Onset Alzheimer's Disease Spectrum. Alzheimer's and Dementia, 2016, 12, P711. | 0.8 | 1 |
| 50 | P3-263: TAU PET in Alzheimer's Disease and Mild Cognitive Impairment. , 2016, 12, P933-P933. | | 0 |
| 51 | O4-07-04: In Vivo Cortical Spreading Pattern of TAU and Amyloid Pathology in the Alzheimer's Disease Spectrum. , 2016, 12, P349-P349. | | 1 |
| 52 | Environmental enrichment enhances synaptic plasticity by internalization of striatal dopamine transporters. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 2122-2133. | 4.3 | 31 |
| 53 | Human Radiation Dosimetry of [18F]AV-1451(T807) to Detect Tau Pathology. Molecular Imaging and Biology, 2016, 18, 479-482. | 2.6 | 13 |
| 54 | Tau PET in Alzheimer disease and mild cognitive impairment. Neurology, 2016, 87, 375-383. | 1.1 | 208 |

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|----|--|-----|-----------|
| 55 | Tau Accumulation in Primary Motor Cortex of Variant Alzheimer's Disease with Spastic Paraparesis. Journal of Alzheimer's Disease, 2016, 51, 671-675. | 2.6 | 13 |
| 56 | 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 |
| 57 | Biodistribution and Radiation Dosimetry of [18F]Mefway in Humans. Molecular Imaging and Biology, 2016, 18, 803-806. | 2.6 | 3 |
| 58 | 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 |
| 59 | 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 |
| 60 | Relationship between dopamine deficit and the expression of depressive behavior resulted from alteration of serotonin system. Synapse, 2015, 69, 453-460. | 1.2 | 24 |
| 61 | [18F]FPEB and [18F]FDEGPECO comparative study of mGlu5 quantification in rodent brain. Applied Radiation and Isotopes, 2015, 98, 103-107. | 1.5 | 4 |
| 62 | 18F-Mefway PET Imaging of Serotonin 1A Receptors in Humans: A Comparison with 18F-FCWAY. PLoS ONE, 2015, 10, e0121342. | 2.5 | 14 |
| 63 | Feasibility of Computed Tomography-Guided Methods for Spatial Normalization of Dopamine Transporter Positron Emission Tomography Image. PLoS ONE, 2015, 10, e0132585. | 2.5 | 25 |
| 64 | 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 |
| 65 | Acute physical stress induces the alteration of the serotonin 1A receptor density in the hippocampus. Synapse, 2014, 68, 363-368. | 1.2 | 12 |
| 66 | 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 |
| 67 | 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 |
| 68 | Dopaminergic neuron destruction reduces hippocampal serotonin 1A receptor uptake of trans-[18F]Mefway. Applied Radiation and Isotopes, 2014, 94, 30-34. | 1.5 | 4 |
| 69 | 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 |
| 70 | Effective MicroPET imaging of brain 5-HT _{1A} receptors in rats with [¹⁸ F]MeFWAY by suppression of radioligand defluorination. Synapse, 2012, 66, 1015-1023. | 1.2 | 13 |
| 71 | Evaluation of dopamine transporters and D2 receptors in hemiparkinsonian rat brains in vivo using consecutive PET scans of [18F]FPCIT and [18F]fallypride. Applied Radiation and Isotopes, 2012, 70, 2689-2694. | 1.5 | 13 |