

Seung-Jun Oh

List of Publications by Year in descending order

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90
papers

1,368
citations

331670

21
h-index

377865

34
g-index

99
all docs

99
docs citations

99
times ranked

2132
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic accuracy and safety of $^{16}\beta$ - ^{18}F fluoro- $^{17}\beta$ -oestradiol PET-CT for the assessment of oestrogen receptor status in recurrent or metastatic lesions in patients with breast cancer: a prospective cohort study. <i>Lancet Oncology</i> , The, 2019, 20, 546-555.	10.7	85
2	Fully automated synthesis of ^{18}F fluoromisonidazole using a conventional ^{18}F FDG module. <i>Nuclear Medicine and Biology</i> , 2005, 32, 899-905.	0.6	81
3	Fully automated synthesis system of $^3\beta$ -deoxy- $^3\beta$ - ^{18}F fluorothymidine. <i>Nuclear Medicine and Biology</i> , 2004, 31, 803-809.	0.6	78
4	High radiochemical yield synthesis of $^3\beta$ -deoxy- $^3\beta$ - ^{18}F fluorothymidine using ($^5\beta$ -O-dimethoxytrityl- $^2\beta$ -deoxy- $^3\beta$ -O-nosyl- $^{\beta}$ -D-threo pentofuranosyl)thymine and its 3-N-BOC-protected analogue as a labeling precursor. <i>Nuclear Medicine and Biology</i> , 2003, 30, 151-157.	0.6	75
5	Synthesis of $^{99\text{m}}\text{Tc}$ -ciprofloxacin by different methods and its biodistribution. <i>Applied Radiation and Isotopes</i> , 2002, 57, 193-200.	1.5	58
6	Neural substrates of cognitive reserve in Alzheimer's disease spectrum and normal aging. <i>NeuroImage</i> , 2019, 186, 690-702.	4.2	58
7	Differential Diagnosis of Parkinsonism Using Dual-Phase F-18 FP-CIT PET Imaging. <i>Nuclear Medicine and Molecular Imaging</i> , 2013, 47, 44-51.	1.0	57
8	Head to head comparison of ^{18}F AV-1451 and ^{18}F 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
9	Simple and highly efficient synthesis of $^3\beta$ -deoxy- $^3\beta$ - ^{18}F fluorothymidine using nucleophilic fluorination catalyzed by protic solvent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1406-1409.	6.4	46
10	A Randomized Feasibility Study of ^{18}F -Fluoroestradiol PET to Predict Pathologic Response to Neoadjuvant Therapy in Estrogen Receptor-Rich Postmenopausal Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 563-568.	5.0	40
11	Hippocampal volume and shape in pure subcortical vascular dementia. <i>Neurobiology of Aging</i> , 2015, 36, 485-491.	3.1	37
12	Different loss of dopamine transporter according to subtype of multiple system atrophy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 517-525.	6.4	34
13	The automatic production of $^{16}\beta$ - ^{18}F fluoroestradiol using a conventional ^{18}F FDG module with a disposable cassette system. <i>Applied Radiation and Isotopes</i> , 2007, 65, 676-681.	1.5	32
14	Feasibility of real-time in vivo ^{89}Zr -DFO-labeled CAR T-cell trafficking using PET imaging. <i>PLoS ONE</i> , 2020, 15, e0223814.	2.5	32
15	A phase 1, first-in-human study of ^{18}F -GP1 positron emission tomography for imaging acute arterial thrombosis. <i>EJNMMI Research</i> , 2019, 9, 3.	2.5	31
16	$^{99\text{m}}\text{Tc}$ -labeled 1-thio- $^{\beta}$ -D-glucose as a new tumor-seeking agent: Synthesis and tumor cell uptake assay. <i>Applied Radiation and Isotopes</i> , 2006, 64, 207-215.	1.5	30
17	Dual pH- and GSH-Responsive Degradable PEGylated Graphene Quantum Dot-Based Nanoparticles for Enhanced HER2-Positive Breast Cancer Therapy. <i>Nanomaterials</i> , 2020, 10, 91.	4.1	29
18	Glycoprotein IIb/IIIa Receptor Imaging with ^{18}F -GP1 PET for Acute Venous Thromboembolism: An Open-Label, Nonrandomized, Phase 1 Study. <i>Journal of Nuclear Medicine</i> , 2019, 60, 244-249.	5.0	27

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19	Subregional Pattern of Striatal Dopamine Transporter Loss on ¹⁸ F FP-CIT Positron Emission Tomography in Patients With Pure Akinesia With Gait Freezing. <i>JAMA Neurology</i> , 2016, 73, 1477.	9.0	24
20	Exploratory Clinical Investigation of (S)-4-(3- ¹⁸ F-Fluoropropyl)-L-Glutamate PET of Inflammatory and Infectious Lesions. <i>Journal of Nuclear Medicine</i> , 2016, 57, 67-69.	5.0	24
21	Tumour-to-liver ratio determined by [68Ga]Ga-DOTA-TOC PET/CT as a prognostic factor of lanreotide efficacy for patients with well-differentiated gastroenteropancreatic-neuroendocrine tumours. <i>EJNMMI Research</i> , 2020, 10, 63.	2.5	22
22	Comparison of synthesis yields of 3-deoxy-3-[18F]fluorothymidine by nucleophilic fluorination in various alcohol solvents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008, 51, 80-82.	1.0	21
23	Differences in gray and white matter 18F-THK5351 uptake between behavioral-variant frontotemporal dementia and other dementias. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 357-366.	6.4	19
24	Comparison of Amyloid β^2 and Tau Spread Models in Alzheimer's Disease. <i>Cerebral Cortex</i> , 2019, 29, 4291-4302.	2.9	19
25	Glutathione-responsive PEGylated GQD-based nanomaterials for diagnosis and treatment of breast cancer. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 301-307.	5.8	18
26	Automated preparation of ¹⁸⁸ Re-labeled radiopharmaceuticals for endovascular radiation therapy. <i>Applied Radiation and Isotopes</i> , 2003, 59, 225-230.	1.5	17
27	Development of a new precursor-minimizing base control method and its application for the automated synthesis and SPE purification of [18F]fluoromisonidazole ([18F]FMISO). <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 731-735.	1.0	17
28	Camphene Attenuates Skeletal Muscle Atrophy by Regulating Oxidative Stress and Lipid Metabolism in Rats. <i>Nutrients</i> , 2020, 12, 3731.	4.1	16
29	Synthesis and evaluation of 6-(3-[18F]fluoro-2-hydroxypropyl)-substituted 2-pyridylbenzothiophenes and 2-pyridylbenzothiazoles as potential PET tracers for imaging A β^2 plaques. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2043-2052.	3.0	15
30	Ubiquitin Specific Protease 29 Functions as an Oncogene Promoting Tumorigenesis in Colorectal Carcinoma. <i>Cancers</i> , 2021, 13, 2706.	3.7	14
31	Diagnostic accuracy of dual-phase 18F-FP-CIT PET imaging for detection and differential diagnosis of Parkinsonism. <i>Scientific Reports</i> , 2021, 11, 14992.	3.3	14
32	Tumoral accumulation of long-circulating, self-assembled nanoparticles and its visualization by gamma scintigraphy. <i>Macromolecular Research</i> , 2008, 16, 15-20.	2.4	13
33	The Feasibility of 18F-Fluorothymidine PET for Prediction of Tumor Response after Induction Chemotherapy Followed by Chemoradiotherapy with S-1/Oxaliplatin in Patients with Resectable Esophageal Cancer. <i>Nuclear Medicine and Molecular Imaging</i> , 2012, 46, 57-64.	1.0	13
34	Striatofrontal Deafferentiation in MSA-P: Evaluation with [18F]FDG Brain PET. <i>PLoS ONE</i> , 2017, 12, e0169928.	2.5	13
35	Effects of Cognitive Reserve in Alzheimer's Disease and Cognitively Unimpaired Individuals. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 784054.	3.4	13
36	Longitudinal Decline of Striatal Subregional [18F]FP-CIT Uptake in Parkinson's Disease. <i>Nuclear Medicine and Molecular Imaging</i> , 2017, 51, 304-313.	1.0	12

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37	Ubiquitin-Specific Protease 29 Regulates Cdc25A-Mediated Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5766.	4.1	11
38	Intravascular ultrasound analysis of beta radiation therapy for diffuse in-stent restenosis to inhibit intimal hyperplasia. <i>Catheterization and Cardiovascular Interventions</i> , 2001, 54, 169-173.	1.7	10
39	Combination of automated brain volumetry on MRI and quantitative tau deposition on THK-5351 PET to support diagnosis of Alzheimer's disease. <i>Scientific Reports</i> , 2021, 11, 10343.	3.3	10
40	Effect of Animal Condition and Fluvoxamine on the Result of [18F]N-3-Fluoropropyl-2 ¹² -carbomethoxy-3 ¹² -(4-iodophenyl) Nortropane ([18F]FP-CIT) PET Study in Mice. <i>Nuclear Medicine and Molecular Imaging</i> , 2012, 46, 27-33.	1.0	8
41	¹⁸ F-fluoromisonidazole (FMISO) Positron Emission Tomography (PET) Predicts Early Infarct Growth in Patients with Acute Ischemic Stroke. <i>Journal of Neuroimaging</i> , 2015, 25, 652-655.	2.0	8
42	THK5351 and flortaucipir PET with pathological correlation in a Creutzfeldt-Jakob disease patient: a case report. <i>BMC Neurology</i> , 2019, 19, 211.	1.8	8
43	³ -Deoxy- ³ - ¹⁸ F-Fluorothymidine and ¹⁸ F-Fluorodeoxyglucose positron emission tomography for the early prediction of response to Regorafenib in patients with metastatic colorectal cancer refractory to all standard therapies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1713-1722.	6.4	8
44	An Unusual Case of Anaphylaxis After Fluorine-18-Labeled Fluorodeoxyglucose Injection. <i>Nuclear Medicine and Molecular Imaging</i> , 2013, 47, 201-204.	1.0	7
45	HAUSP stabilizes Cdc25A and protects cervical cancer cells from DNA damage response. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118835.	4.1	7
46	Fluorinated CRA13 analogues: Synthesis, in vitro evaluation, radiosynthesis, in silico and in vivo PET study. <i>Bioorganic Chemistry</i> , 2020, 99, 103834.	4.1	7
47	Injectable Human Hair Keratin-Fibrin Hydrogels for Engineering 3D Microenvironments to Accelerate Oral Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13269.	4.1	7
48	Simple preparation of new [18F]F-labeled synthetic amino acid derivatives with two click reactions in one-pot and SPE purification. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2015, 58, 317-326.	1.0	6
49	Radiation dosimetry of [18F]GP1 for imaging activated glycoprotein IIb/IIIa receptors with positron emission tomography in patients with acute thromboembolism. <i>Nuclear Medicine and Biology</i> , 2019, 72-73, 45-48.	0.6	6
50	Intra-individual correlations between quantitative THK-5351 PET and MRI-derived cortical volume in Alzheimer's disease differ according to disease severity and amyloid positivity. <i>PLoS ONE</i> , 2019, 14, e0226265.	2.5	6
51	Test-retest reproducibility of dopamine transporter density measured with [18F]FP-CIT PET in patients with essential tremor and Parkinson's disease. <i>Annals of Nuclear Medicine</i> , 2021, 35, 299-306.	2.2	6
52	Unified Deep Learning-Based Mouse Brain MR Segmentation: Template-Based Individual Brain Positron Emission Tomography Volumes-of-Interest Generation Without Spatial Normalization in Mouse Alzheimer Model. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 807903.	3.4	6
53	Comparison of two full automatic synthesis methods of 9-(4-[18F]fluoro-3-hydroxymethylbutyl)guanine using different chemistry modules. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1758-1763.	1.5	5
54	[18F]fluorothymidine PET Informs the Synergistic Efficacy of Capecitabine and Trifluridine/Tipiracil in Colon Cancer. <i>Cancer Research</i> , 2017, 77, 7120-7130.	0.9	5

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55	Usefulness of ⁶⁸ Ga-DOTATOC PET/CT to localize the culprit tumor inducing osteomalacia. Scientific Reports, 2021, 11, 1819.	3.3	5
56	PET Imaging of System α^{\vee} in Immune Cells for Assessment of Disease Activity in Mice and Patients with Inflammatory Bowel Disease. Journal of Nuclear Medicine, 2022, 63, 1586-1591.	5.0	5
57	¹⁸ F-THK5351 PET Positivity and Longitudinal Changes in Cognitive Function in β 2-Amyloid-Negative Amnesic Mild Cognitive Impairment. Yonsei Medical Journal, 2022, 63, 259.	2.2	5
58	Simple and high radiochemical yield synthesis of 2-Deoxy-2-[¹⁸ F]fluorouridine via a new nosylate precursor. Journal of Labelled Compounds and Radiopharmaceuticals, 2006, 49, 1237-1246.	1.0	4
59	Biological evaluation of new [¹⁸ F]F-labeled synthetic amino acid derivatives as oncologic radiotracers. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 404-410.	1.0	4
60	Effects of taurine and ginseng extracts on energy metabolism during exercise and their anti-fatigue properties in mice. Nutrition Research and Practice, 2022, 16, 33.	1.9	4
61	Feasibility of TSPO-Specific Positron Emission Tomography Radiotracer for Evaluating Paracetamol-Induced Liver Injury. Diagnostics, 2021, 11, 1661.	2.6	3
62	YM155 sensitizes HeLa cells to TRAIL-mediated apoptosis via cFLIP and survivin downregulation. Oncology Letters, 2020, 20, 72.	1.8	3
63	Smart Vitamin Micelles as Cancer Nanomedicines for Enhanced Intracellular Delivery of Doxorubicin. International Journal of Molecular Sciences, 2021, 22, 11298.	4.1	3
64	Feasibility of ¹⁸ F-Fluorocholine PET for Evaluating Skeletal Muscle Atrophy in a Starved Rat Model. Diagnostics, 2022, 12, 1274.	2.6	3
65	[¹⁸ F]THK-5351 PET Patterns in Patients With Alzheimer's Disease and Negative Amyloid PET		

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73	P3-217: BLINDED VISUAL EVALUATION AND QUANTITATIVE SUV _r THRESHOLD CLASSIFICATION OF [18F]FLUTEMETAMOL PET IMAGES IN JAPANESE SUBJECTS. , 2014, 10, P710-P710.		0
74	Optimized statistical parametric mapping for partial-volume-corrected amyloid positron emission tomography in patients with Alzheimer's disease and Lewy body dementia. Journal of the Korean Physical Society, 2017, 70, 454-459.	0.7	0
75	[P1-129]: PREDICTION MODEL OF TAU PROPAGATION IN AD SPECTRUM USING FUNCTIONAL NETWORK. Alzheimer's and Dementia, 2017, 13, P291.	0.8	0
76	[P2-361]: SURFACE-BASED ANALYSIS OF SUBCORTICAL STRUCTURES IN TAU AND AMYLOID PET IMAGING: AN ALZHEIMER'S DISEASE STUDY. Alzheimer's and Dementia, 2017, 13, P762.	0.8	0
77	[P2-406]: IN VIVO BRAAK STAGING OF AMNESTIC MCI USING ¹⁸ F-THK5351 PET IMAGING. Alzheimer's and Dementia, 2017, 13, P786.	0.8	0
78	[P2-424]: PROTECTIVE EFFECTS OF EDUCATION ON THK5351 UPTAKES IN MILD COGNITIVE IMPAIRMENT WITH SUSPECTED NON-ALZHEIMER PATHOLOGY. Alzheimer's and Dementia, 2017, 13, P798.	0.8	0
79	[P3-319]: MILD COGNITIVE IMPAIRMENT CLASSIFICATION USING DEEP LEARNING. Alzheimer's and Dementia, 2017, 13, P1070.	0.8	0
80	[P3-337]: THK5351 UPTAKES IN EARLY AND LATE STAGES OF AMNESTIC MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2017, 13, P1082.	0.8	0
81	[P4-046]: PARTIAL VOLUME SUSCEPTIBILITY OF TAU PET: REGIONWISE ASSESSMENT AND COMPARISON WITH AMYLOID PET. Alzheimer's and Dementia, 2017, 13, P1274.	0.8	0
82	[P4-253]: QUANTITATIVE ANALYSIS AND CORRELATION WITH COGNITIVE FUNCTION OF ¹⁸ F-THK5351 PET IN SUBJECTIVE MEMORY IMPAIRMENT, MILD COGNITIVE IMPAIRMENT, AND ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P1377.	0.8	0
83	[P1-454]: POSITIVE ASSOCIATION BETWEEN EDUCATION AND THK5351 UPTAKES IN PATIENTS WITH ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P460.	0.8	0
84	[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
85	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
86	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
87	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
88	P3-433: NEURAL SUBSTRATES OF COGNITIVE RESERVE IN THE ALZHEIMER'S DISEASE SPECTRUM. Alzheimer's and Dementia, 2018, 14, P1277.	0.8	0
89	Optimization of the Synthesis of ¹⁸ F-Deprenyl With Mild ¹⁸ F-Fluorination and Minimum Precursor Input for PET Imaging of Neuroinflammation. Bulletin of the Korean Chemical Society, 2020, 41, 805-811.	1.9	0
90	Potential anticancer effect of aspirin and 2'-hydroxy-2,3,5-trimethoxychalcone-linked polymeric micelles against cervical cancer through apoptosis. Oncology Letters, 2021, 23, 31.	1.8	0