

# Georges El Fakhri

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6704962/georges-el-fakhri-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151  
papers

2,216  
citations

25  
h-index

42  
g-index

174  
ext. papers

2,985  
ext. citations

6.2  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
151	Tissue-Specific Near-Infrared Fluorescence Imaging. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1731-40	24.3	218
150	Reproducibility and accuracy of quantitative myocardial blood flow assessment with (82)Rb PET: comparison with (13)N-ammonia PET. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 1062-71	8.9	193
149	Improvement in lesion detection with whole-body oncologic time-of-flight PET. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 347-53	8.9	145
148	Penalized PET Reconstruction Using Deep Learning Prior and Local Linear Fitting. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1478-1487	11.7	103
147	Magnetic resonance-based motion correction for positron emission tomography imaging. <i>Seminars in Nuclear Medicine</i> , <b>2013</b> , 43, 60-7	5.4	74
146	Pharmacokinetic Evaluation of the Tau PET Radiotracer F-T807 (F-AV-1451) in Human Subjects. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 484-491	8.9	65
145	Autoradiography validation of novel tau PET tracer [F-18]-MK-6240 on human postmortem brain tissue. <i>Acta Neuropathologica Communications</i> , <b>2019</b> , 7, 37	7.3	63
144	Tau and amyloid $\beta$ proteins distinctively associate to functional network changes in the aging brain. <i>Alzheimer's and Dementia</i> , <b>2017</b> , 13, 1261-1269	1.2	55
143	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. <i>Wound Repair and Regeneration</i> , <b>2017</b> , 25, 774-791	3.6	52
142	Discovery of a Highly Selective Glycogen Synthase Kinase-3 Inhibitor (PF-04802367) That Modulates Tau Phosphorylation in the Brain: Translation for PET Neuroimaging. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9601-5	16.4	47
141	Performance evaluation of the 5-Ring GE Discovery MI PET/CT system using the national electrical manufacturers association NU 2-2012 Standard. <i>Medical Physics</i> , <b>2019</b> , 46, 3025-3033	4.4	45
140	Hierarchical Organization of Tau and Amyloid Deposits in the Cerebral Cortex. <i>JAMA Neurology</i> , <b>2017</b> , 74, 813-820	17.2	44
139	Bias atlases for segmentation-based PET attenuation correction using PET-CT and MR. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 3373-3382	1.7	39
138	Renal clearable nanochelators for iron overload therapy. <i>Nature Communications</i> , <b>2019</b> , 10, 5134	17.4	34
137	Assessment of Striatal Dopamine Transporter Binding in Individuals With Major Depressive Disorder: In Vivo Positron Emission Tomography and Postmortem Evidence. <i>JAMA Psychiatry</i> , <b>2019</b> , 76, 854-861	14.5	32
136	Real-Time Imaging of Brain Tumor for Image-Guided Surgery. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800066	10.1	32
135	Relative role of motion and PSF compensation in whole-body oncologic PET-MR imaging. <i>Medical Physics</i> , <b>2014</b> , 41, 042503	4.4	32

134	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: phantom and patient studies. <i>Medical Physics</i> , <b>2015</b> , 42, 1087-97	4.4	32
133	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PET-MR: phantom and non-human primate studies. <i>NeuroImage</i> , <b>2014</b> , 91, 129-37	7.9	32
132	The cortical origin and initial spread of medial temporal tauopathy in Alzheimer's disease assessed with positron emission tomography. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	32
131	Heat-induced radiolabeling and fluorescence labeling of Feraheme nanoparticles for PET/SPECT imaging and flow cytometry. <i>Nature Protocols</i> , <b>2018</b> , 13, 392-412	18.8	30
130	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 326-343	3.8	29
129	MR-based motion correction for PET imaging using wired active MR microcoils in simultaneous PET-MR: phantom study. <i>Medical Physics</i> , <b>2014</b> , 41, 041910	4.4	27
128	Heat-Induced Radiolabeling of Nanoparticles for Monocyte Tracking by PET. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13002-6	16.4	26
127	Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction. <i>PLoS ONE</i> , <b>2019</b> , 14, e0223141	3.7	25
126	Pulmonary imaging using respiratory motion compensated simultaneous PET/MR. <i>Medical Physics</i> , <b>2015</b> , 42, 4227-40	4.4	22
125	Partial volume correction for PET quantification and its impact on brain network in Alzheimer's disease. <i>Scientific Reports</i> , <b>2017</b> , 7, 13035	4.9	21
124	Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , <b>2016</b> , 52, 10305-8	5.8	21
123	Mapping (15)O production rate for proton therapy verification. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 453-9	4	19
122	Quantitative in vivo mapping of myocardial mitochondrial membrane potential. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190968	3.7	19
121	Brain circuit-gene expression relationships and neuroplasticity of multisensory cortices in blind children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 6830-6835	11.5	18
120	Dual-tracer PET using generalized factor analysis of dynamic sequences. <i>Molecular Imaging and Biology</i> , <b>2013</b> , 15, 666-74	3.8	18
119	Low-dose CT reconstruction using spatially encoded nonlocal penalty. <i>Medical Physics</i> , <b>2017</b> , 44, e376-e390	4.0	18
118	PET Image Deblurring and Super-Resolution with an MR-Based Joint Entropy Prior. <i>IEEE Transactions on Computational Imaging</i> , <b>2019</b> , 5, 530-539	4.5	17
117	Multivalent Mannose-Decorated NIR Nanoprobcs for Targeting Pan Lymph Nodes. <i>Chemical Engineering Journal</i> , <b>2018</b> , 340, 51-57	14.7	16

116	Multi-Modal Signatures of Tau Pathology, Neuronal Fiber Integrity, and Functional Connectivity in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2019</b> , 36, 3233-3243	5.4	16
115	A graph theoretical regression model for brain connectivity learning of Alzheimer's disease <b>2013</b> ,		16
114	Synergistic role of simultaneous PET/MRI-MRS in soft tissue sarcoma metabolism imaging. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 276-9	3.3	15
113	Lysosome-Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806216	24	14
112	Ready for prime time? Dual tracer PET and SPECT imaging. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2012</b> , 2, 415-7	2.2	14
111	GRAPH CONVOLUTIONAL NEURAL NETWORKS FOR ALZHEIMER'S DISEASE CLASSIFICATION <b>2019</b> , 2019, 414-417	1.5	13
110	Heat-induced-radiolabeling and click chemistry: A powerful combination for generating multifunctional nanomaterials. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172722	3.7	13
109	Evaluation of pharmacokinetic modeling strategies for in-vivo quantification of tau with the radiotracer [ <sup>18</sup> F]MK6240 in human subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2019</b> , 46, 2099-2111	8.8	13
108	Guest Editorial Low-Dose CT: What Has Been Done, and What Challenges Remain?. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 2409-2416	11.7	13
107	Quantification of PET Myocardial Blood Flow. <i>Current Cardiology Reports</i> , <b>2019</b> , 21, 11	4.2	13
106	Single-scan rest/stress imaging: validation in a porcine model with F-Flurpiridaz. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 44, 1538-1546	8.8	11
105	Effect of time-of-flight and point spread function modeling on detectability of myocardial defects in PET. <i>Medical Physics</i> , <b>2014</b> , 41, 062502	4.4	11
104	Pattern recognition for rapid T2 mapping with stimulated echo compensation. <i>Magnetic Resonance Imaging</i> , <b>2014</b> , 32, 969-74	3.3	11
103	Speech Map: A Statistical Multimodal Atlas of 4D Tongue Motion During Speech from Tagged and Cine MR Images. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , <b>2019</b> , 7, 361-373	0.9	11
102	In vivo and neuropathology data support locus coeruleus integrity as indicator of Alzheimer's disease pathology and cognitive decline. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabj2511	17.5	11
101	Magnetic Resonance-based Motion Correction for Quantitative PET in Simultaneous PET-MR Imaging. <i>PET Clinics</i> , <b>2017</b> , 12, 321-327	2.2	10
100	Visual cognition in non-amnesic Alzheimer's disease: Relations to tau, amyloid, and cortical atrophy. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101889	5.3	10
99	Magnetic resonance imaging based anatomical assessment of tongue impairment due to amyotrophic lateral sclerosis: A preliminary study. <i>Journal of the Acoustical Society of America</i> , <b>2018</b> , 143, EL248	2.2	10

98	Quantitative SPECT leads to improved performance in discrimination tasks related to prodromal Alzheimer's disease. <i>Journal of Nuclear Medicine</i> , <b>2004</b> , 45, 2026-31	8.9	10
97	A cross-scanner and cross-tracer deep learning method for the recovery of standard-dose imaging quality from low-dose PET.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 1	8.8	10
96	Symmetric-Constrained Irregular Structure Inpainting for Brain MRI Registration with Tumor Pathology. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 12658, 80-91	0.9	9
95	Site-Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2510-2516	10.1	8
94	Severity-Aware Semantic Segmentation With Reinforced Wasserstein Training <b>2020</b> ,		8
93	Attenuation correction using deep Learning and integrated UTE/multi-echo Dixon sequence: evaluation in amyloid and tau PET imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 1351-1361	8.8	8
92	Self-Assembly Nanoparticles for Overcoming Multidrug Resistance and Imaging-Guided Chemo-Photothermal Synergistic Cancer Therapy. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 809-819	7.3	7
91	A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 31-47	7.3	7
90	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. <i>Journal of Medical Imaging</i> , <b>2014</b> , 1, 033502	2.6	7
89	Atlas-Based Tongue Muscle Correlation Analysis From Tagged and High-Resolution Magnetic Resonance Imaging. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2019</b> , 62, 2258-2269	2.8	7
88	Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66, 06RM01	3.8	7
87	Sequence Alterations of Cortical Genes Linked to Individual Connectivity of the Human Brain. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 3828-3835	5.1	7
86	MR-based PET attenuation correction using a combined ultrashort echo time/multi-echo Dixon acquisition. <i>Medical Physics</i> , <b>2020</b> , 47, 3064-3077	4.4	7
85	Real-Time Imaging of Vaccine Biodistribution Using Zwitterionic NIR Nanoparticles. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1900035	10.1	6
84	PET point spread function modeling and image deblurring using a PET/MRI joint entropy prior <b>2015</b> ,		6
83	A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 1253-1266	7.3	6
82	Respiratory motion compensation in simultaneous PET/MR using a maximum a posteriori approach <b>2013</b> ,		6
81	Feasibility of Using Distal Endpoints for In-Room PET Range Verification of Proton Therapy. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 3290-3297	1.7	6

80	Myocardial defect detection using PET-CT: phantom studies. <i>PLoS ONE</i> , <b>2014</b> , 9, e88200	3.7	6
79	In vivo quantitative mapping of human mitochondrial cardiac membrane potential: a feasibility study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 414-420	8.8	6
78	Generative Self-training for Cross-domain Unsupervised Tagged-to-Cine MRI Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 12903, 138-148	0.9	6
77	Magnetic resonance parameter mapping using model-guided self-supervised deep learning. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 3211-3226	4.4	6
76	Joint estimation of activity image and attenuation sinogram using time-of-flight positron emission tomography data consistency condition filtering. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 023502	2.6	5
75	Differentiating post-cancer from healthy tongue muscle coordination patterns during speech using deep learning. <i>Journal of the Acoustical Society of America</i> , <b>2019</b> , 145, EL423	2.2	5
74	[F]Fluorocholine and [F]Fluoroacetate PET as Imaging Biomarkers to Assess Phosphatidylcholine and Mitochondrial Metabolism in Preclinical Models of TSC and LAM. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 5925-5938	12.9	5
73	Motion correction for PET data using subspace-based real-time MR imaging in simultaneous PET/MR. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 235022	3.8	5
72	Evaluation of the potassium channel tracer [F]3F4AP in rhesus macaques. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 41, 1721-1733	7.3	5
71	Arterial spin labeling MR image denoising and reconstruction using unsupervised deep learning. <i>NMR in Biomedicine</i> , <b>2019</b> , e4224	4.4	5
70	Imaging of Mitochondrial Depolarization of Myocardium With Positron Emission Tomography and a Proton Gradient Uncoupler. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 491	4.6	4
69	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , <b>2020</b> , 10, 5983	4.9	4
68	Body motion detection and correction in cardiac PET: Phantom and human studies. <i>Medical Physics</i> , <b>2019</b> , 46, 4898-4906	4.4	4
67	Strain Map of the Tongue in Normal and ALS Speech Patterns from Tagged and Diffusion MRI. <i>Proceedings of SPIE</i> , <b>2018</b> , 10574,	1.7	4
66	High-performance rapid MR parameter mapping using model-based deep adversarial learning. <i>Magnetic Resonance Imaging</i> , <b>2020</b> , 74, 152-160	3.3	4
65	Adapting Off-the-Shelf Source Segmenter for Target Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 12902, 549-559	0.9	4
64	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. <i>Scientific Reports</i> , <b>2021</b> , 11, 15897	4.9	4
63	Joint reconstruction of Ictal/inter-ictal SPECT data for improved epileptic foci localization. <i>Medical Physics</i> , <b>2017</b> , 44, 1437-1444	4.4	3

62	A Four-dimensional Motion Field Atlas of the Tongue from Tagged and Cine Magnetic Resonance Imaging. <i>Proceedings of SPIE</i> , <b>2017</b> , 10133,	1.7	3
61	In vivo quantification of mitochondrial membrane potential. <i>Nature</i> , <b>2020</b> , 583, E17-E18	50.4	3
60	Use of Monte Carlo Techniques in Nuclear Medicine. <i>Journal of the American College of Radiology</i> , <b>2018</b> , 15, 446-448	3.5	3
59	Numerical observer for atherosclerotic plaque classification in spectral computed tomography. <i>Journal of Medical Imaging</i> , <b>2016</b> , 3, 035501	2.6	3
58	Feasibility of Using Distal Endpoints for In-room PET Range Verification of Proton Therapy. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 3290-3297	1.7	3
57	Dual-radionuclide brain SPECT for the differential diagnosis of parkinsonism. <i>Methods in Molecular Biology</i> , <b>2011</b> , 680, 237-46	1.4	3
56	Design, Synthesis, and Characterization of Benzimidazole Derivatives as Positron Emission Tomography Imaging Ligands for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 12060-12072	8.3	3
55	Colorimetric biosensing of glucose in human serum based on the intrinsic oxidase activity of hollow MnO <sub>2</sub> nanoparticles. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15066-15070	3.6	3
54	Preclinical Validation of a Single-Scan Rest/Stress Imaging Technique for N-Ammonia Positron Emission Tomography Cardiac Perfusion Studies. <i>Circulation: Cardiovascular Imaging</i> , <b>2020</b> , 13, e009407	3.9	2
53	Dependence of fluorodeoxyglucose (FDG) uptake on cell cycle and dry mass: a single-cell study using a multi-modal radiography platform. <i>Scientific Reports</i> , <b>2020</b> , 10, 4280	4.9	2
52	MR-based motion correction for cardiac PET parametric imaging: a simulation study. <i>EJNMMI Physics</i> , <b>2018</b> , 5, 3	4.4	2
51	A report of the automated radiosynthesis of the tau positron emission tomography radiopharmaceutical, [F]-THK-5351. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2017</b> , 60, 140-146	1.9	2
50	Penalized direct estimation of parametric images in PET <b>2015</b> ,		2
49	4D numerical observer for lesion detection in respiratory-gated PET. <i>Medical Physics</i> , <b>2014</b> , 41, 102504	4.4	2
48	Spatially varying regularization for motion compensated PET reconstruction <b>2012</b> ,		2
47	Positron annihilation localization by nanoscale magnetization. <i>Scientific Reports</i> , <b>2020</b> , 10, 20262	4.9	2
46	Evaluation of Fluorinated Cromolyn Derivatives as Potential Therapeutics for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 80, 775-786	4.3	2
45	Quantification of Myocardial Mitochondrial Membrane Potential Using PET. <i>Current Cardiology Reports</i> , <b>2021</b> , 23, 70	4.2	2

44	Scintillator-based Photon Counting Detector: Is it feasible? <b>2016</b> ,		2
43	Radiochemical Synthesis and Evaluation in Non-Human Primates of 3-[C]methoxy-4-aminopyridine: A Novel PET Tracer for Imaging Potassium Channels in the CNS. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 756-765	5.7	2
42	Synthesis and Characterization of [F]JNJ-46356479 as the First F-Labeled PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Molecular Imaging and Biology</i> , <b>2021</b> , 23, 527-536	3.8	2
41	VoxelHop: Successive Subspace Learning for ALS Disease Classification Using Structural MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , PP,	7.2	2
40	Speech intelligibility loss due to amyotrophic lateral sclerosis: the effect of tongue movement reduction on vowel and consonant acoustic features. <i>Clinical Linguistics and Phonetics</i> , <b>2021</b> , 35, 1091-1114	11.4	2
39	Impact of 40 Hz Transcranial Alternating Current Stimulation on Cerebral Tau Burden in Patients with Alzheimer's Disease: A Case Series.. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> ,	4.3	2
38	Rapid computation of single PET scan rest-stress myocardial blood flow parametric images by table look up. <i>Medical Physics</i> , <b>2017</b> , 44, 4643-4651	4.4	1
37	Synthesis and Characterization of Fluorine-18-Labeled -(4-Chloro-3-((fluoromethyl-)thio)phenyl)picolinamide for Imaging of mGluR4 in Brain. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 3381-3389	8.3	1
36	Direct parametric imaging of reversible tracers using partial dynamic data <b>2016</b> ,		1
35	Awake animal functional imaging to investigate the effects of general anesthesia on brain <b>2018</b> ,		1
34	A nonlocal averaging technique for kinetic parameter estimation from dynamic PET data <b>2011</b> ,		1
33	Brain MR Atlas Construction Using Symmetric Deep Neural Inpainting.. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2022</b> , PP,	7.2	1
32	Impact of multisession 40Hz tACS on hippocampal perfusion in patients with Alzheimer's disease.. <i>Alzheimer's Research and Therapy</i> , <b>2021</b> , 13, 203	9	1
31	Identifying the Common and Subject-specific Functional Units of Speech Movements via a Joint Sparse Non-negative Matrix Factorization Framework. <i>Proceedings of SPIE</i> , <b>2020</b> , 11313,	1.7	1
30	Free-breathing 3D cardiac T mapping with transmit B correction at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> ,	4.4	1
29	Deep learning-based GTV contouring modeling inter- and intra-observer variability in sarcomas. <i>Radiotherapy and Oncology</i> , <b>2021</b> ,	5.3	1
28	4D magnetic resonance imaging atlas construction using temporally aligned audio waveforms in speech. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 150, 3500	2.2	1
27	A novel approach to assess the treatment response using Gaussian random field in PET. <i>Medical Physics</i> , <b>2016</b> , 43, 833-42	4.4	1



26	Time of flight PET reconstruction using nonuniform update for regional recovery uniformity. <i>Medical Physics</i> , <b>2019</b> , 46, 649-664	4.4	1
25	Accelerated J-resolved H-MRSI with limited and sparse sampling of (k <sub>y</sub> -space. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 30-41	4.4	1
24	Floor-of-the-Mouth Muscle Function Analysis Using Dynamic Magnetic Resonance Imaging. <i>Proceedings of SPIE</i> , <b>2021</b> , 11596,	1.7	1
23	Subject-specific Brain Tumor Growth Modelling via An Efficient Bayesian Inference Framework. <i>Proceedings of SPIE</i> , <b>2018</b> , 10574,	1.7	1
22	A deep joint sparse non-negative matrix factorization framework for identifying the common and subject-specific functional units of tongue motion during speech. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102131	15.4	1
21	Neurovascular imaging with QUTE-CE MRI in APOE4 rats reveals early vascular abnormalities. <i>PLoS ONE</i> , <b>2021</b> , 16, e0256749	3.7	1
20	Total-body dynamic PET/CT of micro-metastatic lymph node in a patient with lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 1678-1679	8.8	1
19	Multi-panel limited angle PET system with 50 ps FWHM coincidence time resolution: a simulation study. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 1-1	4.2	1
18	Lower novelty-related locus coeruleus function is associated with Aβ-related cognitive decline in clinically healthy individuals.. <i>Nature Communications</i> , <b>2022</b> , 13, 1571	17.4	1
17	PET imaging of mitochondrial function in acute doxorubicin-induced cardiotoxicity: a proof-of-principle study.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6122	4.9	1
16	Penalized Parametric PET Image Estimation Using Local Linear Fitting. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2020</b> , 4, 750-758	4.2	0
15	Development, validation and regulatory acceptance of improved purification and simplified quality control of [ <sup>15</sup> N] Ammonia. <i>EJNMMI Radiopharmacy and Chemistry</i> , <b>2020</b> , 5, 11	5.8	0
14	PET imaging of neurotransmission using direct parametric reconstruction. <i>NeuroImage</i> , <b>2020</b> , 221, 117154	7.9	0
13	Detecting lumbar lesions in Tc-MDP SPECT by deep learning: Comparison with physicians. <i>Medical Physics</i> , <b>2021</b> , 48, 4249-4261	4.4	0
12	Investigation of a Model-based Time-over-threshold Technique for Phoswich Crystal Discrimination.. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2022</b> , 6, 393-403	4.2	0
11	Efficient Synthesis of 6,6'-Diamido-2,2'-dipicolylamine Ligands for Potential Phosphate Anion Sensing.. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 16833-16840	3.6	0
10	Tracking the origin of tau spread in the brain. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e037501	1.2	
9	Reply to: Fitting of late dynamic [ <sup>18</sup> F]MK6240 PET scans for in vivo tau quantification. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 47, 2947-2949	8.8	

- 8 A minimum-phase Shinnar-Le Roux spectral-spatial excitation RF pulse for simultaneous water and lipid suppression in H-MRSI of body extremities. *Magnetic Resonance Imaging*, **2018**, 45, 18-25 3.3
- 7 P3-090: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU **2018**, 14, P1100-P1100
- 6 IC-P-203: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU **2018**, 14, P167-P167
- 5 Organomediated cleavage of benzoyl group enables an efficient synthesis of 1-(6-nitropyridin-2-yl)thiourea and its application for developing F-labeled PET tracers.. *Bioorganic Chemistry*, **2022**, 124, 105804 5.1
- 4 Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction **2019**, 14, e0223141
- 3 Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction **2019**, 14, e0223141
- 2 Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction **2019**, 14, e0223141
- 1 Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction **2019**, 14, e0223141