

Georges El Fakhri

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

3,709
citations

186209

28
h-index

175177

52
g-index

174
all docs

174
docs citations

174
times ranked

5205
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-Specific Near-Infrared Fluorescence Imaging. <i>Accounts of Chemical Research</i> , 2016, 49, 1731-1740.	7.6	308
2	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> , 2009, 50, 1062-1071.	2.8	242
3	Improvement in Lesion Detection with Whole-Body Oncologic Time-of-Flight PET. <i>Journal of Nuclear Medicine</i> , 2011, 52, 347-353.	2.8	167
4	Penalized PET Reconstruction Using Deep Learning Prior and Local Linear Fitting. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1478-1487.	5.4	154
5	The cortical origin and initial spread of medial temporal tauopathy in Alzheimer's disease assessed with positron emission tomography. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	111
6	In vivo and neuropathology data support locus coeruleus integrity as indicator of Alzheimer's disease pathology and cognitive decline. <i>Science Translational Medicine</i> , 2021, 13, eabj2511.	5.8	107
7	Autoradiography validation of novel tau PET tracer [F-18]-MK-6240 on human postmortem brain tissue. <i>Acta Neuropathologica Communications</i> , 2019, 7, 37.	2.4	105
8	Tau and amyloid β proteins distinctively associate to functional network changes in the aging brain. <i>Alzheimer's and Dementia</i> , 2017, 13, 1261-1269.	0.4	90
9	Magnetic Resonance-Based Motion Correction for Positron Emission Tomography Imaging. <i>Seminars in Nuclear Medicine</i> , 2013, 43, 60-67.	2.5	89
10	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. <i>Wound Repair and Regeneration</i> , 2017, 25, 774-791.	1.5	84
11	Renal clearable nanochelators for iron overload therapy. <i>Nature Communications</i> , 2019, 10, 5134.	5.8	83
12	Performance evaluation of the 5-ring GE Discovery MI PET/CT system using the national electrical manufacturers association NU 2012 Standard. <i>Medical Physics</i> , 2019, 46, 3025-3033.	1.6	78
13	Pharmacokinetic Evaluation of the Tau PET Radiotracer ¹⁸ F-T807 (¹⁸ F-AV-1451) in Human Subjects. <i>Journal of Nuclear Medicine</i> , 2017, 58, 484-491.	2.8	73
14	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> , 2016, 55, 9601-9605.	7.2	68
15	Real-Time Imaging of Brain Tumor for Image-Guided Surgery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800066.	3.9	67
16	Hierarchical Organization of Tau and Amyloid Deposits in the Cerebral Cortex. <i>JAMA Neurology</i> , 2017, 74, 813.	4.5	61
17	Assessment of Striatal Dopamine Transporter Binding in Individuals With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2019, 76, 854.	6.0	61
18	Graph Convolutional Neural Networks For Alzheimer's Disease Classification. , 2019, 2019, 414-417.		55

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19	Bias Atlases for Segmentation-Based PET Attenuation Correction Using PET-CT and MR. IEEE Transactions on Nuclear Science, 2013, 60, 3373-3382.	1.2	42
20	Magnetic resonance parameter mapping using model-guided self-supervised deep learning. Magnetic Resonance in Medicine, 2021, 85, 3211-3226.	1.9	41
21	Attenuation correction using 3D deep convolutional neural network for brain 18F-FDG PET/MR: Comparison with Atlas, ZTE and CT based attenuation correction. PLoS ONE, 2019, 14, e0223141.	1.1	40
22	Heat-induced radiolabeling and fluorescence labeling of Feraheme nanoparticles for PET/SPECT imaging and flow cytometry. Nature Protocols, 2018, 13, 392-412.	5.5	39
23	Partial volume correction for PET quantification and its impact on brain network in Alzheimer's disease. Scientific Reports, 2017, 7, 13035.	1.6	37
24	Brain circuit-gene expression relationships and neuroplasticity of multisensory cortices in blind children. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6830-6835.	3.3	36
25	Quantitative PET in the 2020s: a roadmap. Physics in Medicine and Biology, 2021, 66, 06RM01.	1.6	36
26	Relative role of motion and PSF compensation in whole-body oncologic PET-MR imaging. Medical Physics, 2014, 41, 042503.	1.6	35
27	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: Phantom and patient studies. Medical Physics, 2015, 42, 1087-1097.	1.6	34
28	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PET-MR: Phantom and non-human primate studies. NeuroImage, 2014, 91, 129-137.	2.1	33
29	Impact of multisession 40Hz tACS on hippocampal perfusion in patients with Alzheimer's disease. Alzheimer's Research and Therapy, 2021, 13, 203.	3.0	32
30	Lower novelty-related locus coeruleus function is associated with A β -related cognitive decline in clinically healthy individuals. Nature Communications, 2022, 13, 1571.	5.8	32
31	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. Physics in Medicine and Biology, 2017, 62, 326-343.	1.6	31
32	Quantitative in vivo mapping of myocardial mitochondrial membrane potential. PLoS ONE, 2018, 13, e0190968.	1.1	30
33	Heat-Induced Radiolabeling of Nanoparticles for Monocyte Tracking by PET. Angewandte Chemie - International Edition, 2015, 54, 13002-13006.	7.2	29
34	MR-based motion correction for PET imaging using wired active MR microcoils in simultaneous PET-MR: Phantom study. Medical Physics, 2014, 41, 041910.	1.6	28
35	Quantification of PET Myocardial Blood Flow. Current Cardiology Reports, 2019, 21, 11.	1.3	28
36	PET Image Deblurring and Super-Resolution With an MR-Based Joint Entropy Prior. IEEE Transactions on Computational Imaging, 2019, 5, 530-539.	2.6	27

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37	Evaluation of the potassium channel tracer [¹⁸ F]3F4AP in rhesus macaques. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1721-1733.	2.4	27
38	Adapting Off-the-Shelf Source Segmenter for Target Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2021, 12902, 549-559.	1.0	27
39	Pulmonary imaging using respiratory motion compensated simultaneous PET/MR. <i>Medical Physics</i> , 2015, 42, 4227-4240.	1.6	26
40	Evaluation of pharmacokinetic modeling strategies for in-vivo quantification of tau with the radiotracer [¹⁸ F]MK6240 in human subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2099-2111.	3.3	26
41	Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016, 52, 10305-10308.	2.2	24
42	Lysosome-Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. <i>Advanced Materials</i> , 2019, 31, e1806216.	11.1	24
43	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> , 2022, 49, 1843-1856.	3.3	24
44	Dual-Tracer PET Using Generalized Factor Analysis of Dynamic Sequences. <i>Molecular Imaging and Biology</i> , 2013, 15, 666-674.	1.3	23
45	Mapping ¹⁵ O Production Rate for Proton Therapy Verification. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 453-459.	0.4	23
46	Low-dose CT reconstruction using spatially encoded nonlocal penalty. <i>Medical Physics</i> , 2017, 44, e376-e390.	1.6	23
47	Multivalent mannose-decorated NIR nanoprobes for targeting pan lymph nodes. <i>Chemical Engineering Journal</i> , 2018, 340, 51-57.	6.6	22
48	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> , 2022, 85, 1667-1676.	1.2	22
49	Multi-Modal Signatures of Tau Pathology, Neuronal Fiber Integrity, and Functional Connectivity in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 3233-3243.	1.7	21
50	Synergistic role of simultaneous PET/MRI-MRS in soft tissue sarcoma metabolism imaging. <i>Magnetic Resonance Imaging</i> , 2016, 34, 276-279.	1.0	20
51	Guest Editorial Low-Dose CT: What Has Been Done, and What Challenges Remain?. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2409-2416.	5.4	19
52	High-performance rapid MR parameter mapping using model-based deep adversarial learning. <i>Magnetic Resonance Imaging</i> , 2020, 74, 152-160.	1.0	19
53	A graph theoretical regression model for brain connectivity learning of Alzheimer's disease. , 2013, , .		18
54	Visual cognition in non-amnesic Alzheimer's disease: Relations to tau, amyloid, and cortical atrophy. <i>NeuroImage: Clinical</i> , 2019, 23, 101889.	1.4	17

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55	Generative Self-training for Cross-Domain Unsupervised Tagged-to-Cine MRI Synthesis. Lecture Notes in Computer Science, 2021, 12903, 138-148.	1.0	17
56	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. Scientific Reports, 2021, 11, 15897.	1.6	17
57	Symmetric-Constrained Irregular Structure Inpainting for Brain MRI Registration with Tumor Pathology. Lecture Notes in Computer Science, 2021, 12658, 80-91.	1.0	17
58	Pattern recognition for rapid T2 mapping with stimulated echo compensation. Magnetic Resonance Imaging, 2014, 32, 969-974.	1.0	16
59	Speech Map: a statistical multimodal atlas of 4D tongue motion during speech from tagged and cine MR images. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 361-373.	1.3	16
60	Severity-Aware Semantic Segmentation With Reinforced Wasserstein Training. , 2020, , .		16
61	In vivo quantitative mapping of human mitochondrial cardiac membrane potential: a feasibility study. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 414-420.	3.3	16
62	Ready for prime time? Dual tracer PET and SPECT imaging. American Journal of Nuclear Medicine and Molecular Imaging, 2012, 2, 415-7.	1.0	16
63	Effect of time-of-flight and point spread function modeling on detectability of myocardial defects in PET. Medical Physics, 2014, 41, 062502.	1.6	15
64	Magnetic resonance imaging based anatomical assessment of tongue impairment due to amyotrophic lateral sclerosis: A preliminary study. Journal of the Acoustical Society of America, 2018, 143, EL248-EL254.	0.5	15
65	<p>Self-Assembly Nanoparticles for Overcoming Multidrug Resistance and Imaging-Guided Chemo-Photothermal Synergistic Cancer Therapy</p>. International Journal of Nanomedicine, 2020, Volume 15, 809-819.	3.3	15
66	Identifying the individual metabolic abnormalities from a systemic perspective using whole-body PET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2994-3004.	3.3	15
67	Heat-induced-radiolabeling and click chemistry: A powerful combination for generating multifunctional nanomaterials. PLoS ONE, 2017, 12, e0172722.	1.1	14
68	Body motion detection and correction in cardiac PET: Phantom and human studies. Medical Physics, 2019, 46, 4898-4906.	1.6	14
69	Attenuation correction using deep Learning and integrated UTE/multi-echo Dixon sequence: evaluation in amyloid and tau PET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1351-1361.	3.3	14
70	Magnetic Resonanceâ€‘based Motion Correction for Quantitative PET in Simultaneous PET-MR Imaging. PET Clinics, 2017, 12, 321-327.	1.5	13
71	Single-scan rest/stress imaging: validation in a porcine model with 18F-Flurpiridaz. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1538-1546.	3.3	13
72	Arterial spin labeling MR image denoising and reconstruction using unsupervised deep learning. NMR in Biomedicine, 2022, 35, e4224.	1.6	13

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73	Quantitative SPECT leads to improved performance in discrimination tasks related to prodromal Alzheimer's disease. <i>Journal of Nuclear Medicine</i> , 2004, 45, 2026-31.	2.8	13
74	MR-based PET attenuation correction using a combined ultrashort echo time/multi-echo Dixon acquisition. <i>Medical Physics</i> , 2020, 47, 3064-3077.	1.6	12
75	Synthesis and Characterization of [18F]JN-46356479 as the First 18F-Labeled PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Molecular Imaging and Biology</i> , 2021, 23, 527-536.	1.3	12
76	Atlas-Based Tongue Muscle Correlation Analysis From Tagged and High-Resolution Magnetic Resonance Imaging. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 2258-2269.	0.7	12
77	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> , 2021, 48, 1678-1679.	3.3	11
78	Motion correction for PET data using subspace-based real-time MR imaging in simultaneous PET/MR. <i>Physics in Medicine and Biology</i> , 2020, 65, 235022.	1.6	11
79	Real-time Imaging of Vaccine Biodistribution Using Zwitterionic NIR Nanoparticles. <i>Advanced Healthcare Materials</i> , 2019, 8, 1900035.	3.9	10
80	Sequence Alterations of Cortical Genes Linked to Individual Connectivity of the Human Brain. <i>Cerebral Cortex</i> , 2019, 29, 3828-3835.	1.6	10
81	<p>A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1253-1266.	3.3	10
82	VoxelHop: Successive Subspace Learning for ALS Disease Classification Using Structural MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 1128-1139.	3.9	10
83	Site-specific In Vivo Bioorthogonal Ligation via Chemical Modulation. <i>Advanced Healthcare Materials</i> , 2016, 5, 2510-2516.	3.9	9
84	Design, Synthesis, and Characterization of Benzimidazole Derivatives as Positron Emission Tomography Imaging Ligands for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12060-12072.	2.9	9
85	<p><p>A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 31-47.	3.3	9
86	Quantification of Myocardial Mitochondrial Membrane Potential Using PET. <i>Current Cardiology Reports</i> , 2021, 23, 70.	1.3	9
87	Deep learning-based GTV contouring modeling inter- and intra- observer variability in sarcomas. <i>Radiotherapy and Oncology</i> , 2022, 167, 269-276.	0.3	9
88	Respiratory motion compensation in simultaneous PET/MR using a maximum a posteriori approach. , 2013, , .		8
89	[18F]Fluorocholine and [18F]Fluoroacetate PET as Imaging Biomarkers to Assess Phosphatidylcholine and Mitochondrial Metabolism in Preclinical Models of TSC and LAM. <i>Clinical Cancer Research</i> , 2018, 24, 5925-5938.	3.2	8
90	Colorimetric biosensing of glucose in human serum based on the intrinsic oxidase activity of hollow MnO₂ nanoparticles. <i>New Journal of Chemistry</i> , 2020, 44, 15066-15070.	1.4	8

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91	In vivo quantification of mitochondrial membrane potential. <i>Nature</i> , 2020, 583, E17-E18.	13.7	8
92	Radiochemical Synthesis and Evaluation in Non-Human Primates of 3- ¹¹ C-methoxy-4-aminopyridine: A Novel PET Tracer for Imaging Potassium Channels in the CNS. <i>ACS Chemical Neuroscience</i> , 2021, 12, 756-765.	1.7	8
93	Feasibility of Using Distal Endpoints for In-Room PET Range Verification of Proton Therapy. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 3290-3297.	1.2	7
94	Myocardial Defect Detection Using PET-CT: Phantom Studies. <i>PLoS ONE</i> , 2014, 9, e88200.	1.1	7
95	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. <i>Journal of Medical Imaging</i> , 2014, 1, 033502.	0.8	7
96	PET point spread function modeling and image deblurring using a PET/MRI joint entropy prior. , 2015, , .		7
97	Use of Monte Carlo Techniques in Nuclear Medicine. <i>Journal of the American College of Radiology</i> , 2018, 15, 446-448.	0.9	7
98	Differentiating post-cancer from healthy tongue muscle coordination patterns during speech using deep learning. <i>Journal of the Acoustical Society of America</i> , 2019, 145, EL423-EL429.	0.5	7
99	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> , 2020, 10, 4280.	1.6	7
100	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , 2020, 10, 5983.	1.6	7
101	PET imaging of mitochondrial function in acute doxorubicin-induced cardiotoxicity: a proof-of-principle study. <i>Scientific Reports</i> , 2022, 12, 6122.	1.6	7
102	Joint reconstruction of Ictal/inter-ictal SPECT data for improved epileptic foci localization. <i>Medical Physics</i> , 2017, 44, 1437-1444.	1.6	6
103	Evaluation of Fluorinated Cromolyn Derivatives as Potential Therapeutics for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 775-786.	1.2	6
104	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> , 2021, 72, 102131.	7.0	6
105	Multipanel Limited Angle PET System With 50 ps FWHM Coincidence Time Resolution: A Simulation Study. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 721-730.	2.7	6
106	Scintillator-based Photon Counting Detector: Is it feasible?. , 2016, , .		5
107	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> , 2017, 4, 023502.	0.8	5
108	In-vivo Imaging of Mitochondrial Depolarization of Myocardium With Positron Emission Tomography and a Proton Gradient Uncoupler. <i>Frontiers in Physiology</i> , 2020, 11, 491.	1.3	5

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109	Preclinical Validation of a Single-Scan Rest/Stress Imaging Technique for ¹³ N-Ammonia Positron Emission Tomography Cardiac Perfusion Studies. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e009407.	1.3	5
110	Synthesis and Characterization of Fluorine-18-Labeled <i>N</i> -(4-Chloro-3-(fluoromethyl- ²)thio)phenyl)picolinamide for Imaging of mGluR4 in Brain. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3381-3389.	2.9	5
111	Neurovascular imaging with QUTE-CE MRI in APOE4 rats reveals early vascular abnormalities. <i>PLoS ONE</i> , 2021, 16, e0256749.	1.1	5
112	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> , 2021, 35, 1-22.	0.5	5
113	Strain map of the tongue in normal and ALS speech patterns from tagged and diffusion MRI. , 2018, 10574, .		5
114	Free-breathing 3D cardiac T ₁ mapping with transmit B ₁ correction at 3T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1832-1845.	1.9	5
115	Spatially varying regularization for motion compensated PET reconstruction. , 2012, , .		4
116	Feasibility of using distal endpoints for In-room PET Range Verification of Proton Therapy. , 2012, 60, 3290-3297.		4
117	Numerical observer for atherosclerotic plaque classification in spectral computed tomography. <i>Journal of Medical Imaging</i> , 2016, 3, 035501.	0.8	4
118	A four-dimensional motion field atlas of the tongue from tagged and cine magnetic resonance imaging. <i>Proceedings of SPIE</i> , 2017, 10133, .	0.8	4
119	MR-based motion correction for cardiac PET parametric imaging: a simulation study. <i>EJNMMI Physics</i> , 2018, 5, 3.	1.3	4
120	Efficient synthesis of 6,6'-diamido-2,2'-dipicolylamine ligands for potential phosphate anion sensing. <i>New Journal of Chemistry</i> , 2021, 45, 16833-16840.	1.4	4
121	4D magnetic resonance imaging atlas construction using temporally aligned audio waveforms in speech. <i>Journal of the Acoustical Society of America</i> , 2021, 150, 3500-3508.	0.5	4
122	Brain MR Atlas Construction Using Symmetric Deep Neural Inpainting. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 3185-3196.	3.9	4
123	4D numerical observer for lesion detection in respiratory-gated PET. <i>Medical Physics</i> , 2014, 41, 102504.	1.6	3
124	Penalized direct estimation of parametric images in PET. , 2015, , .		3
125	Direct parametric imaging of reversible tracers using partial dynamic data. , 2016, , .		3
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127	Detecting lumbar lesions in ^{99m}Tc -MDP SPECT by deep learning: Comparison with physicians. <i>Medical Physics</i> , 2021, 48, 4249-4261.	1.6	3
128	Dual-Radionuclide Brain SPECT for the Differential Diagnosis of Parkinsonism. <i>Methods in Molecular Biology</i> , 2011, 680, 237-246.	0.4	3
129	Design, Synthesis, and Characterization of ^{18}F -mG2P026 as a High-Contrast PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 9939-9954.	2.9	3
130	Fast Monte Carlo Simulation Based Joint Iterative Reconstruction for Simultaneous $^{99m}\text{Tc}/^{123}\text{I}$ Brain SPECT Imaging. , 2006, , .		2
131	A novel approach to assess the treatment response using Gaussian random field in PET. <i>Medical Physics</i> , 2016, 43, 833-842.	1.6	2
132	A report of the automated radiosynthesis of the tau positron emission tomography radiopharmaceutical, ^{18}F -THK-5351. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 140-146.	0.5	2
133	Subject-specific brain tumor growth modelling via an efficient Bayesian inference framework. , 2018, 10574, .		2
134	Time of flight PET reconstruction using nonuniform update for regional recovery uniformity. <i>Medical Physics</i> , 2019, 46, 649-664.	1.6	2
135	Positron annihilation localization by nanoscale magnetization. <i>Scientific Reports</i> , 2020, 10, 20262.	1.6	2
136	Advances in cardiac PET/MR imaging: Facilitating cutting-edge structural and biological phenotyping of the cardiovascular system. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2026-2029.	1.4	2
137	Investigation of a Model-Based Time-Over-Threshold Technique for Phoswich Crystal Discrimination. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2022, 6, 393-403.	2.7	2
138	Development, validation and regulatory acceptance of improved purification and simplified quality control of ^{13}N Ammonia. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2020, 5, 11.	1.8	2
139	Synthesis and Characterization of 5-(2-Fluoro-4- ^{11}C -methoxyphenyl)-2,2-dimethyl-3,4-dihydro-2H-pyrano[2,3-b]pyridine-7-carboxamide as a PET Imaging Ligand for Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2593-2609.	2.9	2
140	Organomediated cleavage of benzoyl group enables an efficient synthesis of 1-(6-nitropyridin-2-yl)thiourea and its application for developing ^{18}F -labeled PET tracers. <i>Bioorganic Chemistry</i> , 2022, 124, 105804.	2.0	2
141	A nonlocal averaging technique for kinetic parameter estimation from dynamic PET data. , 2011, , .		1
142	Light transport in PET scintillator detectors fabricated using laser induced optical barriers. , 2016, , .		1
143	Rapid computation of single ^{18}F PET scan rest-stress myocardial blood flow parametric images by table look up. <i>Medical Physics</i> , 2017, 44, 4643-4651.	1.6	1
144	Awake animal functional imaging to investigate the effects of general anesthesia on brain. , 2018, , .		1

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145	PET imaging of neurotransmission using direct parametric reconstruction. NeuroImage, 2020, 221, 117154.	2.1	1
146	Penalized Parametric PET Image Estimation Using Local Linear Fitting. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 750-758.	2.7	1
147	Floor-of-the-mouth muscle function analysis using dynamic magnetic resonance imaging. , 2021, 11596, .		1
148	Identifying the Common and Subject-specific Functional Units of Speech Movements via a Joint Sparse Non-negative Matrix Factorization Framework. Proceedings of SPIE, 2020, 11313, .	0.8	1
149	Near-Infrared Fluorescence Imaging of Carotid Plaques in an Atherosclerotic Murine Model. Biomolecules, 2021, 11, 1753.	1.8	1
150	OUP accepted manuscript. Brain, 2022, , .	3.7	1
151	Accuracy of respiratory motion compensated image reconstruction using 4DPET-derived deformation fields. , 2014, , .		0
152	Fast estimation of image variance for time-of-flight PET reconstruction. , 2015, , .		0
153	Dual-energy CT Reconstruction using Guided Image Filtering. , 2016, , .		0
154	Image deblurring using a joint entropy prior in x-ray luminescence computed tomography. Proceedings of SPIE, 2017, , .	0.8	0
155	HOSVD-Based Multigraph Cuts for Joint Segmentation of Multi-Channel Images. , 2017, , .		0
156	A minimum-phase Shinnar-Le Roux spectral-spatial excitation RF pulse for simultaneous water and lipid suppression in 1H-MRSI of body extremities. Magnetic Resonance Imaging, 2018, 45, 18-25.	1.0	0
157	P3â€œ090: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU. Alzheimer's and Dementia, 2018, 14, P1100.	0.4	0
158	ICâ€œPâ€œ203: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU. Alzheimer's and Dementia, 2018, 14, P167.	0.4	0
159	New Detector Designs for High Resolution Brain PET. , 2019, , .		0
160	Advances in coronary molecular imaging: Leveraging the power of image processing. Journal of Nuclear Cardiology, 2020, 27, 505-507.	1.4	0
161	Tracking the origin of tau spread in the brain. Alzheimer's and Dementia, 2020, 16, e037501.	0.4	0
162	Reply to: Fitting of late dynamic [18F]MK6240 PET scans for in vivo tau quantification. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2947-2949.	3.3	0

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163	Joint Direct Parametric Reconstruction for Pet Receptor Occupancy Mapping. , 2020, , .		0
164	Locus coeruleus integrity as a proxy of initial tau burden: in vivo versus ex vivo observations. Alzheimer's and Dementia, 2021, 17, .	0.4	0
165	Title is missing!. , 2019, 14, e0223141.		0
166	Title is missing!. , 2019, 14, e0223141.		0
167	Title is missing!. , 2019, 14, e0223141.		0
168	Title is missing!. , 2019, 14, e0223141.		0