

Georges El Fakhri

List of Publications by Year in Descending Order

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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	Brain MR Atlas Construction Using Symmetric Deep Neural Inpainting.. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022 , PP,	7.2	1
150	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	4.2	0
149	Lower novelty-related locus coeruleus function is associated with A β -related cognitive decline in clinically healthy individuals.. <i>Nature Communications</i> , 2022 , 13, 1571	17.4	1
148	PET imaging of mitochondrial function in acute doxorubicin-induced cardiotoxicity: a proof-of-principle study.. <i>Scientific Reports</i> , 2022 , 12, 6122	4.9	1
147	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.. <i>Bioorganic Chemistry</i> , 2022 , 124, 105804	5.1	
146	Impact of multisession 40Hz tACS on hippocampal perfusion in patients with Alzheimer's disease.. <i>Alzheimer's Research and Therapy</i> , 2021 , 13, 203	9	1
145	Free-breathing 3D cardiac T mapping with transmit B correction at 3T. <i>Magnetic Resonance in Medicine</i> , 2021 ,	4.4	1
144	Deep learning-based GTV contouring modeling inter- and intra-observer variability in sarcomas. <i>Radiotherapy and Oncology</i> , 2021 ,	5.3	1
143	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	2.2	1
142	Evaluation of the potassium channel tracer [F]3F4AP in rhesus macaques. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 1721-1733	7.3	5
141	Quantitative PET in the 2020s: a roadmap. <i>Physics in Medicine and Biology</i> , 2021 , 66, 06RM01	3.8	7
140	Evaluation of Fluorinated Cromolyn Derivatives as Potential Therapeutics for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021 , 80, 775-786	4.3	2
139	Quantification of Myocardial Mitochondrial Membrane Potential Using PET. <i>Current Cardiology Reports</i> , 2021 , 23, 70	4.2	2
138	Detecting lumbar lesions in Tc-MDP SPECT by deep learning: Comparison with physicians. <i>Medical Physics</i> , 2021 , 48, 4249-4261	4.4	0
137	Accelerated J-resolved H-MRSI with limited and sparse sampling of (k _y , k _z)-space. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 30-41	4.4	1
136	In vivo quantitative mapping of human mitochondrial cardiac membrane potential: a feasibility study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 414-420	8.8	6
135	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> , 2021 , 48, 1351-1361	8.8	8

134	Generative Self-training for Cross-domain Unsupervised Tagged-to-Cine MRI Synthesis. <i>Lecture Notes in Computer Science</i> , 2021 , 12903, 138-148	0.9	6
133	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	3.6	0
132	Adapting Off-the-Shelf Source Segmenter for Target Medical Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2021 , 12902, 549-559	0.9	4
131	Floor-of-the-Mouth Muscle Function Analysis Using Dynamic Magnetic Resonance Imaging. <i>Proceedings of SPIE</i> , 2021 , 11596,	1.7	1
130	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> , 2021 , 12, 756-765	5.7	2
129	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> , 2021 , 23, 527-536	3.8	2
128	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	15.4	1
127	Neurovascular imaging with QUTE-CE MRI in APOE4 rats reveals early vascular abnormalities. <i>PLoS ONE</i> , 2021 , 16, e0256749	3.7	1
126	In vivo imaging of mGlu5 receptor expression in humans with Fragile X Syndrome towards development of a potential biomarker. <i>Scientific Reports</i> , 2021 , 11, 15897	4.9	4
125	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	17.5	11
124	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	8.8	1
123	VoxelHop: Successive Subspace Learning for ALS Disease Classification Using Structural MRI. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021 , PP,	7.2	2
122	Magnetic resonance parameter mapping using model-guided self-supervised deep learning. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 3211-3226	4.4	6
121	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, 1091-1114	11.4	2
120	Symmetric-Constrained Irregular Structure Inpainting for Brain MRI Registration with Tumor Pathology. <i>Lecture Notes in Computer Science</i> , 2021 , 12658, 80-91	0.9	9
119	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,	17.5	32
118	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> , 2021 , 1-1	4.2	1
117	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> , 2021 ,	4.3	2

116	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> , 2021 , 1	8.8	10
115	Tracking the origin of tau spread in the brain. <i>Alzheimer's and Dementia</i> , 2020 , 16, e037501	1.2	
114	Penalized Parametric PET Image Estimation Using Local Linear Fitting. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020 , 4, 750-758	4.2	0
113	Reply to: Fitting of late dynamic [¹⁸ F]MK6240 PET scans for in vivo tau quantification. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2947-2949	8.8	
112	Imaging of Mitochondrial Depolarization of Myocardium With Positron Emission Tomography and a Proton Gradient Uncoupler. <i>Frontiers in Physiology</i> , 2020 , 11, 491	4.6	4
111	Preclinical Validation of a Single-Scan Rest/Stress Imaging Technique for N-Ammonia Positron Emission Tomography Cardiac Perfusion Studies. <i>Circulation: Cardiovascular Imaging</i> , 2020 , 13, e009407	3.9	2
110	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	4.9	2
109	In vivo quantification of mitochondrial membrane potential. <i>Nature</i> , 2020 , 583, E17-E18	50.4	3
108	A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1253-1266	7.3	6
107	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> , 2020 , 63, 3381-3389	8.3	1
106	Self-Assembly Nanoparticles for Overcoming Multidrug Resistance and Imaging-Guided Chemo-Photothermal Synergistic Cancer Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 809-819	7.3	7
105	A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes. <i>International Journal of Nanomedicine</i> , 2020 , 15, 31-47	7.3	7
104	Non-Invasive Photoacoustic Imaging of In Vivo Mice with Erythrocyte Derived Optical Nanoparticles to Detect CAD/MI. <i>Scientific Reports</i> , 2020 , 10, 5983	4.9	4
103	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> , 2020 , 11313,	1.7	1
102	Development, validation and regulatory acceptance of improved purification and simplified quality control of [¹⁸ F] Ammonia. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2020 , 5, 11	5.8	0
101	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	3.8	5
100	High-performance rapid MR parameter mapping using model-based deep adversarial learning. <i>Magnetic Resonance Imaging</i> , 2020 , 74, 152-160	3.3	4
99	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	8.3	3

98	PET imaging of neurotransmission using direct parametric reconstruction. <i>NeuroImage</i> , 2020 , 221, 11715-11724	4.9	0
97	Severity-Aware Semantic Segmentation With Reinforced Wasserstein Training 2020 ,		8
96	Colorimetric biosensing of glucose in human serum based on the intrinsic oxidase activity of hollow MnO ₂ nanoparticles. <i>New Journal of Chemistry</i> , 2020 , 44, 15066-15070	3.6	3
95	Positron annihilation localization by nanoscale magnetization. <i>Scientific Reports</i> , 2020 , 10, 20262	4.9	2
94	MR-based PET attenuation correction using a combined ultrashort echo time/multi-echo Dixon acquisition. <i>Medical Physics</i> , 2020 , 47, 3064-3077	4.4	7
93	GRAPH CONVOLUTIONAL NEURAL NETWORKS FOR ALZHEIMER'S DISEASE CLASSIFICATION 2019 , 2019, 414-417	1.5	13
92	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	2.2	5
91	Visual cognition in non-amnesic Alzheimer's disease: Relations to tau, amyloid, and cortical atrophy. <i>NeuroImage: Clinical</i> , 2019 , 23, 101889	5.3	10
90	Real-Time Imaging of Vaccine Biodistribution Using Zwitterionic NIR Nanoparticles. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900035	10.1	6
89	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> , 2019 , 46, 3025-3033	4.4	45
88	Assessment of Striatal Dopamine Transporter Binding in Individuals With Major Depressive Disorder: In Vivo Positron Emission Tomography and Postmortem Evidence. <i>JAMA Psychiatry</i> , 2019 , 76, 854-861	14.5	32
87	PET Image Deblurring and Super-Resolution with an MR-Based Joint Entropy Prior. <i>IEEE Transactions on Computational Imaging</i> , 2019 , 5, 530-539	4.5	17
86	Autoradiography validation of novel tau PET tracer [F-18]-MK-6240 on human postmortem brain tissue. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 37	7.3	63
85	Lysosome-Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. <i>Advanced Materials</i> , 2019 , 31, e1806216	24	14
84	Evaluation of pharmacokinetic modeling strategies for in-vivo quantification of tau with the radiotracer [F]MK6240 in human subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2099-2111	8.8	13
83	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	5.4	16
82	Body motion detection and correction in cardiac PET: Phantom and human studies. <i>Medical Physics</i> , 2019 , 46, 4898-4906	4.4	4
81	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> , 2019 , 14, e0223141	3.7	25

80	Renal clearable nanochelators for iron overload therapy. <i>Nature Communications</i> , 2019 , 10, 5134	17.4	34
79	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	2.8	7
78	Quantification of PET Myocardial Blood Flow. <i>Current Cardiology Reports</i> , 2019 , 21, 11	4.2	13
77	Arterial spin labeling MR image denoising and reconstruction using unsupervised deep learning. <i>NMR in Biomedicine</i> , 2019 , e4224	4.4	5
76	Sequence Alterations of Cortical Genes Linked to Individual Connectivity of the Human Brain. <i>Cerebral Cortex</i> , 2019 , 29, 3828-3835	5.1	7
75	Time of flight PET reconstruction using nonuniform update for regional recovery uniformity. <i>Medical Physics</i> , 2019 , 46, 649-664	4.4	1
74	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> , 2019 , 7, 361-373	0.9	11
73	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		
72	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		
71	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		
70	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		
69	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> , 2018 , 143, EL248	2.2	10
68	Heat-induced radiolabeling and fluorescence labeling of Feraheme nanoparticles for PET/SPECT imaging and flow cytometry. <i>Nature Protocols</i> , 2018 , 13, 392-412	18.8	30
67	Use of Monte Carlo Techniques in Nuclear Medicine. <i>Journal of the American College of Radiology</i> , 2018 , 15, 446-448	3.5	3
66	Multivalent Mannose-Decorated NIR Nanoprobes for Targeting Pan Lymph Nodes. <i>Chemical Engineering Journal</i> , 2018 , 340, 51-57	14.7	16
65	Real-Time Imaging of Brain Tumor for Image-Guided Surgery. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800066	10.1	32
64	A minimum-phase Shinnar-Le Roux spectral-spatial excitation RF pulse for simultaneous water and lipid suppression in H-MRSI of body extremities. <i>Magnetic Resonance Imaging</i> , 2018 , 45, 18-25	3.3	
63	[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> , 2018 , 24, 5925-5938	12.9	5

62	MR-based motion correction for cardiac PET parametric imaging: a simulation study. <i>EJNMMI Physics</i> , 2018 , 5, 3	4.4	2
61	Awake animal functional imaging to investigate the effects of general anesthesia on brain 2018 ,		1
60	Quantitative in vivo mapping of myocardial mitochondrial membrane potential. <i>PLoS ONE</i> , 2018 , 13, e0190968	3.7	19
59	Strain Map of the Tongue in Normal and ALS Speech Patterns from Tagged and Diffusion MRI. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	4
58	P3-090: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU 2018 , 14, P1100-P1100		
57	IC-P-203: JOINT DEBLURRING OF LONGITUDINAL DIFFERENTIAL PET IMAGES OF TAU 2018 , 14, P167-P167		
56	Subject-specific Brain Tumor Growth Modelling via An Efficient Bayesian Inference Framework. <i>Proceedings of SPIE</i> , 2018 , 10574,	1.7	1
55	Penalized PET Reconstruction Using Deep Learning Prior and Local Linear Fitting. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1478-1487	11.7	103
54	Joint reconstruction of Ictal/inter-ictal SPECT data for improved epileptic foci localization. <i>Medical Physics</i> , 2017 , 44, 1437-1444	4.4	3
53	A Four-dimensional Motion Field Atlas of the Tongue from Tagged and Cine Magnetic Resonance Imaging. <i>Proceedings of SPIE</i> , 2017 , 10133,	1.7	3
52	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	2.6	5
51	Rapid computation of single PET scan rest-stress myocardial blood flow parametric images by table look up. <i>Medical Physics</i> , 2017 , 44, 4643-4651	4.4	1
50	Hierarchical Organization of Tau and Amyloid Deposits in the Cerebral Cortex. <i>JAMA Neurology</i> , 2017 , 74, 813-820	17.2	44
49	Magnetic Resonance-based Motion Correction for Quantitative PET in Simultaneous PET-MR Imaging. <i>PET Clinics</i> , 2017 , 12, 321-327	2.2	10
48	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> , 2017 , 114, 6830-6835	11.5	18
47	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	1.2	55
46	Single-scan rest/stress imaging: validation in a porcine model with F-Flurpiridaz. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 1538-1546	8.8	11
45	Impact of motion and partial volume effects correction on PET myocardial perfusion imaging using simultaneous PET-MR. <i>Physics in Medicine and Biology</i> , 2017 , 62, 326-343	3.8	29

44	Partial volume correction for PET quantification and its impact on brain network in Alzheimer's disease. <i>Scientific Reports</i> , 2017 , 7, 13035	4.9	21
43	Heat-induced-radiolabeling and click chemistry: A powerful combination for generating multifunctional nanomaterials. <i>PLoS ONE</i> , 2017 , 12, e0172722	3.7	13
42	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. <i>Wound Repair and Regeneration</i> , 2017 , 25, 774-791	3.6	52
41	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	1.9	2
40	Pharmacokinetic Evaluation of the Tau PET Radiotracer F-T807 (F-AV-1451) in Human Subjects. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 484-491	8.9	65
39	Guest Editorial Low-Dose CT: What Has Been Done, and What Challenges Remain?. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2409-2416	11.7	13
38	Low-dose CT reconstruction using spatially encoded nonlocal penalty. <i>Medical Physics</i> , 2017 , 44, e376-e390	4.4	18
37	Site-Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2510-2516	10.1	8
36	Tissue-Specific Near-Infrared Fluorescence Imaging. <i>Accounts of Chemical Research</i> , 2016 , 49, 1731-40	24.3	218
35	Numerical observer for atherosclerotic plaque classification in spectral computed tomography. <i>Journal of Medical Imaging</i> , 2016 , 3, 035501	2.6	3
34	Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016 , 52, 10305-8	5.8	21
33	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, 9601-5	16.4	47
32	Direct parametric imaging of reversible tracers using partial dynamic data 2016 ,		1
31	Synergistic role of simultaneous PET/MRI-MRS in soft tissue sarcoma metabolism imaging. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 276-9	3.3	15
30	Scintillator-based Photon Counting Detector: Is it feasible? 2016 ,		2
29	A novel approach to assess the treatment response using Gaussian random field in PET. <i>Medical Physics</i> , 2016 , 43, 833-42	4.4	1
28	Mapping (¹⁵ O) production rate for proton therapy verification. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 453-9	4	19
27	Pulmonary imaging using respiratory motion compensated simultaneous PET/MR. <i>Medical Physics</i> , 2015 , 42, 4227-40	4.4	22

26	PET point spread function modeling and image deblurring using a PET/MRI joint entropy prior 2015 ,		6
25	Accelerated acquisition of tagged MRI for cardiac motion correction in simultaneous PET-MR: phantom and patient studies. <i>Medical Physics</i> , 2015 , 42, 1087-97	4.4	32
24	Penalized direct estimation of parametric images in PET 2015 ,		2
23	Heat-Induced Radiolabeling of Nanoparticles for Monocyte Tracking by PET. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13002-6	16.4	26
22	MR-based motion correction for PET imaging using wired active MR microcoils in simultaneous PET-MR: phantom study. <i>Medical Physics</i> , 2014 , 41, 041910	4.4	27
21	Relative role of motion and PSF compensation in whole-body oncologic PET-MR imaging. <i>Medical Physics</i> , 2014 , 41, 042503	4.4	32
20	Myocardial defect detection using PET-CT: phantom studies. <i>PLoS ONE</i> , 2014 , 9, e88200	3.7	6
19	Quantitative simultaneous positron emission tomography and magnetic resonance imaging. <i>Journal of Medical Imaging</i> , 2014 , 1, 033502	2.6	7
18	Effect of time-of-flight and point spread function modeling on detectability of myocardial defects in PET. <i>Medical Physics</i> , 2014 , 41, 062502	4.4	11
17	4D numerical observer for lesion detection in respiratory-gated PET. <i>Medical Physics</i> , 2014 , 41, 102504	4.4	2
16	Motion compensation for brain PET imaging using wireless MR active markers in simultaneous PET-MR: phantom and non-human primate studies. <i>NeuroImage</i> , 2014 , 91, 129-37	7.9	32
15	Pattern recognition for rapid T2 mapping with stimulated echo compensation. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 969-74	3.3	11
14	Dual-tracer PET using generalized factor analysis of dynamic sequences. <i>Molecular Imaging and Biology</i> , 2013 , 15, 666-74	3.8	18
13	Respiratory motion compensation in simultaneous PET/MR using a maximum a posteriori approach 2013 ,		6
12	A graph theoretical regression model for brain connectivity learning of Alzheimer's disease 2013 ,		16
11	Bias atlases for segmentation-based PET attenuation correction using PET-CT and MR. <i>IEEE Transactions on Nuclear Science</i> , 2013 , 60, 3373-3382	1.7	39
10	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	1.7	6
9	Magnetic resonance-based motion correction for positron emission tomography imaging. <i>Seminars in Nuclear Medicine</i> , 2013 , 43, 60-7	5.4	74

8	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	1.7	3
7	Spatially varying regularization for motion compensated PET reconstruction 2012 ,		2
6	Ready for prime time? Dual tracer PET and SPECT imaging. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 2, 415-7	2.2	14
5	A nonlocal averaging technique for kinetic parameter estimation from dynamic PET data 2011 ,		1
4	Improvement in lesion detection with whole-body oncologic time-of-flight PET. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 347-53	8.9	145
3	Dual-radionuclide brain SPECT for the differential diagnosis of parkinsonism. <i>Methods in Molecular Biology</i> , 2011 , 680, 237-46	1.4	3
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, 1062-71	8.9	193
1	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	8.9	10