

# Felix M Mottaghy

## List of Publications by Year in descending order

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Version: 2024-02-01

406  
papers

24,490  
citations

13099

68  
h-index

9345

143  
g-index

447  
all docs

447  
docs citations

447  
times ranked

25858  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics: the bridge between medical imaging and personalized medicine. Nature Reviews Clinical Oncology, 2017, 14, 749-762.	27.6	3,216
2	Use of Positron Emission Tomography for Response Assessment of Lymphoma: Consensus of the Imaging Subcommittee of International Harmonization Project in Lymphoma. Journal of Clinical Oncology, 2007, 25, 571-578.	1.6	1,275
3	FDG PET and PET/CT: EANM procedure guidelines for tumour PET imaging: version 1.0. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 181-200.	6.4	1,147
4	<sup>225</sup> Ac-PSMA-617 for PSMA-Targeted $\alpha$ -Radiation Therapy of Metastatic Castration-Resistant Prostate Cancer. Journal of Nuclear Medicine, 2016, 57, 1941-1944.	5.0	741
5	Cold acclimation recruits human brown fat and increases nonshivering thermogenesis. Journal of Clinical Investigation, 2013, 123, 3395-3403.	8.2	658
6	German Multicenter Study Investigating <sup>177</sup> Lu-PSMA-617 Radioligand Therapy in Advanced Prostate Cancer Patients. Journal of Nuclear Medicine, 2017, 58, 85-90.	5.0	646
7	<sup>68</sup> Ga-PSMA PET/CT: Joint EANM and SNMMI procedure guideline for prostate cancer imaging: version 1.0. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1014-1024.	6.4	589
8	Short-term cold acclimation improves insulin sensitivity in patients with type 2 diabetes mellitus. Nature Medicine, 2015, 21, 863-865.	30.7	460
9	Detection of bone metastases in patients with lung cancer: <sup>99m</sup> Tc-MDP planar bone scintigraphy, <sup>18</sup> F-fluoride PET or <sup>18</sup> F-FDG PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 1807-1812.	6.4	419
10	MRI-Based Attenuation Correction for Hybrid PET/MRI Systems: A 4-Class Tissue Segmentation Technique Using a Combined Ultrashort-Echo-Time/Dixon MRI Sequence. Journal of Nuclear Medicine, 2012, 53, 796-804.	5.0	406
11	Phase-specific modulation of cortical motor output during movement observation. NeuroReport, 2001, 12, 1489-1492.	1.2	371
12	Response Assessment of Aggressive Non-Hodgkin's Lymphoma by Integrated International Workshop Criteria and Fluorine-18 <sup>18</sup> F-Fluorodeoxyglucose Positron Emission Tomography. Journal of Clinical Oncology, 2005, 23, 4652-4661.	1.6	364
13	The Bile Acid Chenodeoxycholic Acid Increases Human Brown Adipose Tissue Activity. Cell Metabolism, 2015, 22, 418-426.	16.2	342
14	GLUT1 mutations are a cause of paroxysmal exertion-induced dyskinesias and induce hemolytic anemia by a cation leak. Journal of Clinical Investigation, 2008, 118, 2157-2168.	8.2	321
15	The EANM practice guidelines for bone scintigraphy. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1723-1738.	6.4	293
16	Automatic, three-segment, MR-based attenuation correction for whole-body PET/MR data. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 138-152.	6.4	287
17	EANM procedure guidelines for radionuclide therapy with <sup>177</sup> Lu-labelled PSMA-ligands ( <sup>177</sup> Lu-PSMA-RLT). European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2536-2544.	6.4	265
18	Short-term Cold Acclimation Recruits Brown Adipose Tissue in Obese Humans. Diabetes, 2016, 65, 1179-1189.	0.6	241

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19	MRI for attenuation correction in PET: methods and challenges. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 99-113.	2.0	197
20	Modulation of input–output curves by low and high frequency repetitive transcranial magnetic stimulation of the motor cortex. <i>Clinical Neurophysiology</i> , 2002, 113, 1249-1257.	1.5	179
21	Modulation of premotor mirror neuron activity during observation of unpredictable grasping movements. <i>European Journal of Neuroscience</i> , 2004, 20, 2193-2202.	2.6	176
22	Molecular Imaging of Proliferation in Malignant Lymphoma. <i>Cancer Research</i> , 2006, 66, 11055-11061.	0.9	173
23	Episodic retrieval activates the precuneus irrespective of the imagery content of word pair associates. <i>Brain</i> , 1999, 122, 255-263.	7.6	168
24	Facilitation of picture naming by focal transcranial magnetic stimulation of Wernicke's area. <i>Experimental Brain Research</i> , 1998, 121, 371-378.	1.5	166
25	Functional magnetic resonance imaging detects activation of the visual association cortex during laser acupuncture of the foot in humans. <i>Neuroscience Letters</i> , 2002, 327, 53-56.	2.1	163
26	Grammatical Distinctions in the Left Frontal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 713-720.	2.3	162
27	[ <sup>68</sup> Ga]PSMA-HBED uptake mimicking lymph node metastasis in coeliac ganglia: an important pitfall in clinical practice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 210-214.	6.4	162
28	Extent of disease in recurrent prostate cancer determined by [ <sup>68</sup> Ga]PSMA-HBED-CC PET/CT in relation to PSA levels, PSA doubling time and Gleason score. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 397-403.	6.4	162
29	Low brown adipose tissue activity in endurance-trained compared with lean sedentary men. <i>International Journal of Obesity</i> , 2015, 39, 1696-1702.	3.4	157
30	Correlation of cerebral blood flow and treatment effects of repetitive transcranial magnetic stimulation in depressed patients. <i>Psychiatry Research - Neuroimaging</i> , 2002, 115, 1-14.	1.8	144
31	Visual cortex excitability increases during visual mental imagery—a TMS study in healthy human subjects. <i>Brain Research</i> , 2002, 938, 92-97.	2.2	142
32	Prospective Evaluation of <sup>11</sup> C-Choline Positron Emission Tomography/Computed Tomography and Diffusion-Weighted Magnetic Resonance Imaging for the Nodal Staging of Prostate Cancer with a High Risk of Lymph Node Metastases. <i>European Urology</i> , 2011, 60, 125-130.	1.9	142
33	Segregation of Areas Related to Visual Working Memory in the Prefrontal Cortex Revealed by rTMS. <i>Cerebral Cortex</i> , 2002, 12, 369-375.	2.9	140
34	Modulation of the neuronal circuitry subserving working memory in healthy human subjects by repetitive transcranial magnetic stimulation. <i>Neuroscience Letters</i> , 2000, 280, 167-170.	2.1	139
35	Evaluation of [ <sup>11</sup> C]choline positron emission/computed tomography in patients with increasing prostate-specific antigen levels after primary treatment for prostate cancer. <i>BJU International</i> , 2007, 100, 786-793.	2.5	136
36	Facilitation of picture naming after repetitive transcranial magnetic stimulation. <i>Neurology</i> , 1999, 53, 1806-1806.	1.1	135

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37	Brown adipose tissue activity after a high-calorie meal in humans. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 57-64.	4.7	134
38	Radiomics for precision medicine: Current challenges, future prospects, and the proposal of a new framework. <i>Methods</i> , 2021, 188, 20-29.	3.8	129
39	<sup>18</sup> F-NaF PET/CT: EANM procedure guidelines for bone imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1767-1777.	6.4	123
40	Noninvasive brain stimulation with transcranial magnetic or direct current stimulation (TMS/tDCS) – From insights into human memory to therapy of its dysfunction. <i>Methods</i> , 2008, 44, 329-337.	3.8	121
41	Dissociating neural correlates for nouns and verbs. <i>NeuroImage</i> , 2005, 24, 1058-1067.	4.2	115
42	First evidence of PSMA expression in differentiated thyroid cancer using [68Ga]PSMA-HBED-CC PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1622-1623.	6.4	112
43	Comparative analysis of brain structure, metabolism, and cognition in myotonic dystrophy 1 and 2. <i>Neurology</i> , 2010, 74, 1108-1117.	1.1	111
44	Topographic segregation and convergence of verbal, object, shape and spatial working memory in humans. <i>Neuroscience Letters</i> , 2002, 323, 156-160.	2.1	110
45	Does caffeine modulate verbal working memory processes? An fMRI study. <i>NeuroImage</i> , 2008, 39, 492-499.	4.2	110
46	On the relationship between glomerular filtration rate and serum creatinine in children. <i>Pediatric Nephrology</i> , 2010, 25, 927-934.	1.7	102
47	Clinical relevance of imaging proliferative activity in lung nodules. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 525-533.	6.4	101
48	Additional Value of PET-CT in Staging of Clinical Stage IIB and III Breast Cancer. <i>Breast Journal</i> , 2010, 16, 617-624.	1.0	96
49	Fatty acid synthase overexpression: target for therapy and reversal of chemoresistance in ovarian cancer. <i>Journal of Translational Medicine</i> , 2015, 13, 146.	4.4	95
50	Repetitive Transcranial Magnetic Stimulation Effects on Language Function Depend on the Stimulation Parameters. <i>Journal of Clinical Neurophysiology</i> , 2001, 18, 326-330.	1.7	93
51	Stability of radiomics features in apparent diffusion coefficient maps from a multi-centre test-retest trial. <i>Scientific Reports</i> , 2019, 9, 4800.	3.3	93
52	[ <sup>11</sup> C]choline PET/CT in prostate cancer patients with biochemical recurrence after radical prostatectomy. <i>World Journal of Urology</i> , 2009, 27, 619-625.	2.2	89
53	Molecular imaging of cell death. <i>Methods</i> , 2009, 48, 178-187.	3.8	88
54	Comparison of diagnostic accuracy of <sup>111</sup> In-pentetreotide SPECT and <sup>68</sup> Ga-DOTATOC PET/CT: A lesion-by-lesion analysis in patients with metastatic neuroendocrine tumours. <i>European Radiology</i> , 2016, 26, 900-909.	4.5	86

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55	Modulatory effects on human sensorimotor cortex by whole-hand afferent electrical stimulation. <i>Neurology</i> , 2004, 62, 2262-2269.	1.1	85
56	[ <sup>11</sup> C]Choline PET/CT for Targeted Salvage Lymph Node Dissection in Patients with Biochemical Recurrence after Primary Curative Therapy for Prostate Cancer. <i>Urologia Internationalis</i> , 2008, 81, 191-197.	1.3	85
57	Radiomics in neuro-oncology: Basics, workflow, and applications. <i>Methods</i> , 2021, 188, 112-121.	3.8	85
58	Implication of 2-18Fluor-2-Deoxyglucose Positron Emission Tomography in the Follow-Up of H <sub>14</sub> rthle Cell Thyroid Cancer. <i>Thyroid</i> , 2002, 12, 155-161.	4.5	82
59	Hypoxia imaging with [18F]HX4 PET in NSCLC patients: Defining optimal imaging parameters. <i>Radiotherapy and Oncology</i> , 2013, 109, 58-64.	0.6	81
60	<i>In Vivo</i> Quantification of Hypoxic and Metabolic Status of NSCLC Tumors Using [18F]HX4 and [18F]FDG-PET/CT Imaging. <i>Clinical Cancer Research</i> , 2014, 20, 6389-6397.	7.0	81
61	Chronometry of parietal and prefrontal activations in verbal working memory revealed by transcranial magnetic stimulation. <i>NeuroImage</i> , 2003, 18, 565-575.	4.2	78
62	Systems level modeling of a neuronal network subserving intrinsic alertness. <i>NeuroImage</i> , 2006, 29, 225-233.	4.2	78
63	Clinical Value of 18-Fluorine-Fluorodihydroxyphenylalanine Positron Emission Tomography/Computed Tomography in the Follow-Up of Medullary Thyroid Carcinoma. <i>Thyroid</i> , 2010, 20, 527-533.	4.5	78
64	Imaging of amino acid transport in brain tumours: Positron emission tomography with O-(2-[18]Tj ETQq0 0 0 rgBT <sub>2</sub> /Overlock 10 Tf 50 3	3.8	76
65	Functional Magnetic Resonance Imaging of the Human Sensorimotor Cortex Using a Novel Vibrotactile Stimulator. <i>NeuroImage</i> , 2002, 17, 421-430.	4.2	75
66	Dopaminergic dysfunction in attention deficit hyperactivity disorder (ADHD), differences between pharmacologically treated and never treated young adults: A 3,4-dihydroxy-6-[18F]fluorophenyl-L-alanine PET study. <i>NeuroImage</i> , 2008, 41, 718-727.	4.2	73
67	Imaging Cold-Activated Brown Adipose Tissue Using Dynamic T2*-Weighted Magnetic Resonance Imaging and 2-Deoxy-2-[18F]fluoro-D-glucose Positron Emission Tomography. <i>Investigative Radiology</i> , 2013, 48, 708-714.	6.2	73
68	Molecular imaging of brown adipose tissue in health and disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 776-791.	6.4	73
69	Glucose uptake in human brown adipose tissue is impaired upon fasting-induced insulin resistance. <i>Diabetologia</i> , 2015, 58, 586-595.	6.3	72
70	Brain activation patterns during a selective attention test – a functional MRI study in healthy volunteers and unmedicated patients during an acute episode of schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2007, 154, 31-40.	1.8	69
71	Evidence of a modality-dependent role of the cerebellum in working memory? An fMRI study comparing verbal and abstract n-back tasks. <i>NeuroImage</i> , 2009, 47, 2073-2082.	4.2	69
72	First Demonstration of Leukemia Imaging with the Proliferation Marker [ <sup>18</sup> F]-Fluorodeoxythymidine. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1756-1762.	5.0	68

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73	Use of integrated FDG PET/CT imaging in pulmonary carcinoid tumours. Journal of Internal Medicine, 2006, 260, 545-550.	6.0	67
74	Dose-Response Relationship in Differentiated Thyroid Cancer Patients Undergoing Radioiodine Treatment Assessed by Means of $^{124}\text{I}$ PET/CT. Journal of Nuclear Medicine, 2016, 57, 1027-1032.	5.0	66
75	Brain activation patterns during a selective attention test—a functional MRI study in healthy volunteers and patients with schizophrenia. Psychiatry Research - Neuroimaging, 2003, 123, 1-15.	1.8	64
76	Thyroid Hormone Activates Brown Adipose Tissue and Increases Non-Shivering Thermogenesis - A Cohort Study in a Group of Thyroid Carcinoma Patients. PLoS ONE, 2016, 11, e0145049.	2.5	64
77	Multiparametric imaging of patient and tumour heterogeneity in non-small-cell lung cancer: quantification of tumour hypoxia, metabolism and perfusion. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 240-248.	6.4	64
78	Neuronal correlates of encoding and retrieval in episodic memory during a paired-word association learning task: a functional magnetic resonance imaging study. Experimental Brain Research, 1999, 128, 332-342.	1.5	63
79	Final analysis of a prospective trial on functional imaging for nodal staging in patients with prostate cancer at high risk for lymph node involvement. Urologic Oncology: Seminars and Original Investigations, 2015, 33, 109.e23-109.e31.	1.6	63
80	HER2-directed antibodies, affibodies and nanobodies as drug-delivery vehicles in breast cancer with a specific focus on radioimmunotherapy and radioimmunoimaging. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1371-1389.	6.4	63
81	Network analysis in episodic encoding and retrieval of word-pair associates: a PET study. European Journal of Neuroscience, 1999, 11, 3293-3301.	2.6	62
82	Clinical value of 18F-fluorodihydroxyphenylalanine positron emission tomography/computed tomography (18F-DOPA PET/CT) for detecting pheochromocytoma. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 484-493.	6.4	62
83	Cost-Effectiveness of Hybrid PET/CT for Staging of Non-Small Cell Lung Cancer. Journal of Nuclear Medicine, 2010, 51, 1668-1675.	5.0	62
84	Dose-escalation using intensity-modulated radiotherapy for prostate cancer - evaluation of quality of life with and without 18F-choline PET-CT detected simultaneous integrated boost. Radiation Oncology, 2012, 7, 14.	2.7	61
85	Brain metastasis in lung cancer. Nuklearmedizin - Nuclear Medicine, 2011, 50, 101-106.	0.7	60
86	Striatal dopaminergic modulation of reinforcement learning predicts reward-oriented behavior in daily life. Biological Psychology, 2017, 127, 1-9.	2.2	60
87	Human brain structures related to plantar vibrotactile stimulation: A functional magnetic resonance imaging study. NeuroImage, 2006, 29, 923-929.	4.2	59
88	$^{11}\text{C}$ -Choline positron-emission tomography/computed tomography and transrectal ultrasonography for staging localized prostate cancer. BJU International, 2007, 99, 1421-1426.	2.5	57
89	Enhancing Picture Naming with Transcranial Magnetic Stimulation. Behavioural Neurology, 2006, 17, 177-186.	2.1	56
90	Molecularly targeted therapies in cancer: a guide for the nuclear medicine physician. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 41-54.	6.4	55

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91	Modulation of a brain-behavior relationship in verbal working memory by rTMS. Cognitive Brain Research, 2003, 15, 241-249.	3.0	53
92	Direct comparison of [18F]FDG PET/CT with PET alone and with side-by-side PET and CT in patients with malignant melanoma. European Journal of Nuclear Medicine and Molecular Imaging, 2007, 34, 1355-1364.	6.4	53
93	Caffeine and Cognition in Functional Magnetic Resonance Imaging. Journal of Alzheimer's Disease, 2010, 20, S71-S84.	2.6	53
94	The Impact of Dopamine on Aggression: An [ <sup>18</sup> F]-FDOPA PET Study in Healthy Males. Journal of Neuroscience, 2013, 33, 16889-16896.	3.6	51
95	Evaluation of tumour hypoxia during radiotherapy using [18F]HX4 PET imaging and blood biomarkers in patients with head and neck cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2139-2146.	6.4	51
96	68Ga-PSMA PET/CT for monitoring response to 177Lu-PSMA-617 radioligand therapy in patients with metastatic castration-resistant prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1054-1062.	6.4	51
97	Consequences of radiopharmaceutical extravasation and therapeutic interventions: a systematic review. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1234-1243.	6.4	50
98	Bilateral parieto-frontal network for verbal working memory: an interference approach using repetitive transcranial magnetic stimulation (rTMS). European Journal of Neuroscience, 2002, 16, 1627-1632.	2.6	49
99	A new pneumatic vibrator for functional magnetic resonance imaging of the human sensorimotor cortex. Neuroscience Letters, 2002, 324, 125-128.	2.1	48
100	MAOA-VNTR polymorphism modulates context-dependent dopamine release and aggressive behavior in males. Neurolmage, 2016, 125, 378-385.	4.2	48
101	Quantitative assessment of Zirconium-89 labeled cetuximab using PET/CT imaging in patients with advanced head and neck cancer: a theragnostic approach. Oncotarget, 2017, 8, 3870-3880.	1.8	48
102	The Use of [ <sup>18</sup> F]-Fluoroethyl-L-Tyrosine PET for Treatment Management of Bevacizumab and Irinotecan in Patients with Recurrent High-Grade Glioma: A Cost-Effectiveness Analysis. Journal of Nuclear Medicine, 2013, 54, 1217-1222.	5.0	47
103	The role of patient-based treatment planning in peptide receptor radionuclide therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 871-880.	6.4	47
104	[ <sup>18</sup> F]-FET PET Imaging in Differentiating Glioma Progression from Treatment-Related Changes: A Single-Center Experience. Journal of Nuclear Medicine, 2020, 61, 505-511.	5.0	47
105	Interfering with working memory in humans. Neuroscience, 2006, 139, 85-90.	2.3	46
106	Intensity-Modulated Radiotherapy for Prostate Cancer Implementing Molecular Imaging with 18F-Choline PET-CT to Define a Simultaneous Integrated Boost. Strahlentherapie Und Onkologie, 2010, 186, 600-606.	2.0	46
107	Site-specific 68Ga-labeled Annexin A5 as a PET imaging agent for apoptosis. Nuclear Medicine and Biology, 2011, 38, 381-392.	0.6	46
108	Clinical value of 68Ga-DOTATATE-PET/CT compared to stand-alone contrast enhanced CT for the detection of extra-hepatic metastases in patients with neuroendocrine tumours (NET). European Journal of Radiology, 2015, 84, 1866-1872.	2.6	45



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109	Brain systems engaged in encoding and retrieval of word-pair associates independent of their imagery content or presentation modalities. <i>Neuropsychologia</i> , 2002, 40, 457-470.	1.6	44
110	FDG positron emission tomography/computed tomography scan may identify mantle cell lymphoma patients with unusually favorable outcome. <i>Nuclear Medicine Communications</i> , 2009, 30, 770-778.	1.1	44
111	Is There an Additional Value of 11C-Choline PET-CT to T2-weighted MRI Images in the Localization of Intraprostatic Tumor Nodules?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, 1486-1492.	0.8	44
112	Diagnosis and Treatment of Nasopharyngeal Carcinoma in Children and Adolescents â€“ Recommendations of the GPOH-NPC Study Group. <i>Klinische Padiatrie</i> , 2016, 228, 105-112.	0.6	44
113	Imaging Intraplaque Inflammation in Carotid Atherosclerosis With <sup>18</sup> F-Fluorocholine Positron Emission Tomographyâ€“Computed Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	2.6	43
114	Differences in predicted and actually absorbed doses in peptide receptor radionuclide therapy. <i>Medical Physics</i> , 2012, 39, 5708-5717.	3.0	42
115	Hypoxia and hypoxia response-associated molecular markers in esophageal cancer: A systematic review. <i>Methods</i> , 2017, 130, 51-62.	3.8	42
116	Hybrid total-body pet scannersâ€™ current status and future perspectives. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 445-459.	6.4	42
117	Imaging and neural modelling in episodic and working memory processes. <i>Neural Networks</i> , 2000, 13, 847-859.	5.9	41
118	Motor control in simple bimanual movements: a transcranial magnetic stimulation and reaction time study. <i>Clinical Neurophysiology</i> , 2001, 112, 265-274.	1.5	41
119	Effect of the positron range of <sup>18</sup> F, <sup>68</sup> Ga and <sup>124</sup> I on PET/CT in lung-equivalent materials. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 940-948.	6.4	41
120	In Vivo Evidence of Deep Brain Stimulation-Induced Dopaminergic Modulation in Tourette's Syndrome. <i>Biological Psychiatry</i> , 2012, 71, e11-e13.	1.3	40
121	Comparison of [ <sup>18</sup> F]FDG PET/CT and MRI in the diagnosis of active osteomyelitis. <i>Skeletal Radiology</i> , 2014, 43, 665-672.	2.0	40
122	Effects of Smoking Cessation on Presynaptic Dopamine Function of Addicted Male Smokers. <i>Biological Psychiatry</i> , 2016, 80, 198-206.	1.3	40
123	Fractionated Radiotherapy with 3 x 8 Gy Induces Systemic Anti-Tumour Responses and Abscopal Tumour Inhibition without Modulating the Humoral Anti-Tumour Response. <i>PLoS ONE</i> , 2016, 11, e0159515.	2.5	40
124	Molecular imaging of prostate cancer. <i>Methods</i> , 2009, 48, 193-199.	3.8	39
125	Diffuse Large B-Cell Lymphoma: Prospective Multicenter Comparison of Early Interim FLT PET/CT versus FDG PET/CT with IHP, EORTC, Deauville, and PERCIST Criteria for Early Therapeutic Monitoring. <i>Radiology</i> , 2016, 280, 220-229.	7.3	39
126	Modulation of glutathione promotes apoptosis in tripleâ€“negative breast cancer cells. <i>FASEB Journal</i> , 2018, 32, 2803-2813.	0.5	38



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127	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. Seminars in Nuclear Medicine, 2019, 49, 438-449.	4.6	38
128	Theranostic and nanotheranostic probes in nuclear medicine. Methods, 2017, 130, 14-22.	3.8	37
129	Sequential implementation of DSC-MR perfusion and dynamic [18F]FET PET allows efficient differentiation of glioma progression from treatment-related changes. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1956-1965.	6.4	37
130	Site-specific labeling of $\alpha$ -second generation $\alpha$ ™ annexin V with 99mTc(CO)3 for improved imaging of apoptosis in vivo. Bioorganic and Medicinal Chemistry, 2010, 18, 1356-1363.	3.0	35
131	Lateral visual field stimulation reveals extrastriate cortical activation in the contralateral hemisphere: an fMRI study. Psychiatry Research - Neuroimaging, 2004, 131, 1-9.	1.8	34
132	Whole-body diffusion-weighted magnetic resonance imaging: Current evidence in oncology and potential role in colorectal cancer staging. European Journal of Cancer, 2011, 47, 2107-2116.	2.8	34
133	Multiphasic <sup>68</sup> Ga-PSMA PET/CT in the Detection of Early Recurrence in Prostate Cancer Patients with a PSA Level of Less Than 1 ng/mL: A Prospective Study of 135 Patients. Journal of Nuclear Medicine, 2020, 61, 1484-1490.	5.0	34
134	Study-Parameter Impact in Quantitative 90-Yttrium PET Imaging for Radioembolization Treatment Monitoring and Dosimetry. IEEE Transactions on Medical Imaging, 2013, 32, 485-492.	8.9	33
135	Failure of annexin-based apoptosis imaging in the assessment of antiangiogenic therapy effects. EJNMMI Research, 2011, 1, 26.	2.5	32
136	Diagnosis of Pulmonary Embolism: Conventional Ventilation/Perfusion SPECT Is Superior to the Combination of Perfusion SPECT and Nonenhanced CT. Respiration, 2014, 88, 291-297.	2.6	32
137	Modulation of Fronto-Striatal Functional Connectivity Using Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2019, 13, 190.	2.0	32
138	Repetitive TMS temporarily alters brain diffusion. Neurology, 2003, 60, 1539-1541.	1.1	31
139	The Effects of In-Plane Spatial Resolution on CT-Based Radiomic Features $\alpha$ ™ Stability with and without ComBat Harmonization. Cancers, 2021, 13, 1848.	3.7	31
140	PET and PET/CT in radiation treatment planning for prostate cancer. Expert Review of Anticancer Therapy, 2011, 11, 1035-1041.	2.4	30
141	Beyond azide $\alpha$ ™alkyne click reaction: easy access to 18F-labelled compounds via nitrile oxide cycloadditions. Chemical Communications, 2012, 48, 7134.	4.1	30
142	A Practical One $\alpha$ ™Pot Synthesis of Positron Emission Tomography (PET) Tracers via Nickel $\alpha$ ™Mediated Radiofluorination. ChemistryOpen, 2015, 4, 457-462.	1.9	30
143	Relapse patterns after radiochemotherapy of glioblastoma with FET PET-guided boost irradiation and simulation to optimize radiation target volume. Radiation Oncology, 2016, 11, 87.	2.7	30
144	Relevant tumor sink effect in prostate cancer patients receiving 177Lu-PSMA-617 radioligand therapy. Nuklearmedizin - NuclearMedicine, 2018, 57, 19-25.	0.7	30

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145	MR and PET-CT monitoring of tissue-engineered vascular grafts in the ovine carotid artery. <i>Biomaterials</i> , 2019, 216, 119228.	11.4	30
146	Current trends in the use of O-(2-[18F]fluoroethyl)-L-tyrosine ([18F]FET) in neurooncology. <i>Nuclear Medicine and Biology</i> , 2021, 92, 78-84.	0.6	30
147	Hedgehog signaling sensitizes Glioma stem cells to endogenous nano-irradiation. <i>Oncotarget</i> , 2014, 5, 5483-5493.	1.8	30
148	124I PET/CT in the pretherapeutic staging of differentiated thyroid carcinoma: comparison with posttherapy 131I SPECT/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 693-700.	6.4	29
149	Thyroid nodules with indeterminate cytology: molecular imaging with <sup>99m</sup> Tc-methoxyisobutylisonitrile (MIBI) is more cost-effective than the Afirma® gene expression classifier. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1497-1500.	6.4	29
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