

Gianmario Sambuceti

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.

220
papers

6,315
citations

45
h-index

69
g-index

241
ext. papers

7,430
ext. citations

5.7
avg, IF

5.23
L-index

#	Paper	IF	Citations
220	F-FDG-PET correlates of aging and disease course in ALS as revealed by distinct PVC approaches.. <i>European Journal of Radiology Open</i> , 2022 , 9, 100394	2.6	0
219	Opportunistic skeletal muscle metrics as prognostic tools in metastatic castration-resistant prostate cancer patients candidates to receive Radium-223.. <i>Annals of Nuclear Medicine</i> , 2022 , 36, 373	2.5	1
218	Clinical and FDG-PET/CT correlates in patients with polymyalgia rheumatica. <i>Clinical and Experimental Rheumatology</i> , 2022 , 40, 78-85	2.2	2
217	Therapeutic efficacy of proton transport inhibitors alone or in combination with cisplatin in triple negative and hormone sensitive breast cancer models. <i>Cancer Medicine</i> , 2021 , 11, 183	4.8	1
216	Brain Metabolic Correlates of Persistent Olfactory Dysfunction after SARS-Cov2 Infection. <i>Biomedicines</i> , 2021 , 9,	4.8	15
215	The prognostic power of 18F-FDG PET/CT extends to estimating systemic treatment response duration in metastatic castration-resistant prostate cancer (mCRPC) patients. <i>Prostate Cancer and Prostatic Diseases</i> , 2021 , 24, 1198-1207	6.2	7
214	The role of endoplasmic reticulum in in vivo cancer FDG kinetics. <i>PLoS ONE</i> , 2021 , 16, e0252422	3.7	1
213	The Role of the Immune Metabolic Prognostic Index in Patients with Non-Small Cell Lung Cancer (NSCLC) in Radiological Progression during Treatment with Nivolumab. <i>Cancers</i> , 2021 , 13,	6.6	5
212	Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. <i>Pharmaceutics</i> , 2021 , 13,	6.4	6
211	Associations among education, age, and the dementia with Lewy bodies (DLB) metabolic pattern: A European-DLB consortium project. <i>Alzheimer's and Dementia</i> , 2021 , 17, 1277-1286	1.2	3
210	Longitudinal analysis of atherosclerotic plaques evolution: an F-NaF PET/CT study. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	1
209	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. <i>Biomolecules</i> , 2021 , 11,	5.9	2
208	Novel PET Tracers in the Management of Cardiac Sarcoidosis. <i>Current Radiopharmaceuticals</i> , 2021 , 14, 220-227	1.8	1
207	The Role of Endoplasmic Reticulum in the Differential Endurance against Redox Stress in Cortical and Spinal Astrocytes from the Newborn SOD1 Mouse Model of Amyotrophic Lateral Sclerosis. <i>Antioxidants</i> , 2021 , 10,	7.1	1
206	The prognostic power of inflammatory indices and clinical factors in metastatic castration-resistant prostate cancer patients treated with radium-223 (BIO-Ra study). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 1	8.8	5
205	Spleen Perfusion as an Index of Gender Impact on Sympathetic Nervous System Response to Exercise.. <i>Frontiers in Physiology</i> , 2021 , 12, 780713	4.6	
204	The Prognostic Role of Baseline Metabolic Tumor Burden and Systemic Inflammation Biomarkers in Metastatic Castration-Resistant Prostate Cancer Patients Treated with Radium-223: A Proof of Concept Study. <i>Cancers</i> , 2020 , 12,	6.6	11

203	18F-Fluorodeoxyglucose Positron Emission Tomography Tracks the Heterogeneous Brain Susceptibility to the Hyperglycemia-Related Redox Stress. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
202	Spinal cord hypermetabolism extends to skeletal muscle in amyotrophic lateral sclerosis: a computational approach to [18F]-fluorodeoxyglucose PET/CT images. <i>EJNMMI Research</i> , 2020 , 10, 23	3.6	9
201	Subretinally injected semiconducting polymer nanoparticles rescue vision in a rat model of retinal dystrophy. <i>Nature Nanotechnology</i> , 2020 , 15, 698-708	28.7	55
200	Insulin-independent stimulation of skeletal muscle glucose uptake by low-dose abscisic acid via AMPK activation. <i>Scientific Reports</i> , 2020 , 10, 1454	4.9	6
199	Mechanisms underlying the predictive power of high skeletal muscle uptake of FDG in amyotrophic lateral sclerosis. <i>EJNMMI Research</i> , 2020 , 10, 76	3.6	5
198	Cancer immunotherapy is accompanied by distinct metabolic patterns in primary and secondary lymphoid organs observed by non-invasive F-FDG-PET. <i>Theranostics</i> , 2020 , 10, 925-937	12.1	26
197	FDG uptake tracks the oxidative damage in diabetic skeletal muscle: An experimental study. <i>Molecular Metabolism</i> , 2020 , 31, 98-108	8.8	8
196	Comparison Between F-FDG PET-Based and CT-Based Criteria in Non-Small Cell Lung Cancer Patients Treated with Nivolumab. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 990-998	8.9	30
195	Metabolic Correlates of Dopaminergic Loss in Dementia with Lewy Bodies. <i>Movement Disorders</i> , 2020 , 35, 595-605	7	19
194	Mathematical modelling of nuclear medicine data 2020 ,		2
193	Two high-rate pentose-phosphate pathways in cancer cells. <i>Scientific Reports</i> , 2020 , 10, 22111	4.9	8
192	Increased myocardial F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 2183-2194	2.1	14
191	The Elusive Link Between Cancer FDG Uptake and Glycolytic Flux Explains the Preserved Diagnostic Accuracy of PET/CT in Diabetes. <i>Translational Oncology</i> , 2020 , 13, 100752	4.9	4
190	Molecular imaging of multiple sclerosis: from the clinical demand to novel radiotracers. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2019 , 4, 6	5.8	18
189	Metabolic patterns across core features in dementia with lewy bodies. <i>Annals of Neurology</i> , 2019 , 85, 715-725	9.4	27
188	Head-to-Head Comparison among Semi-Quantification Tools of Brain FDG-PET to Aid the Diagnosis of Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 383-394	4.3	11
187	Anthropometric and glucometabolic changes in an aged mouse model of lipocalin-2 overexpression. <i>International Journal of Obesity</i> , 2019 , 43, 189-201	5.5	7
186	Radionuclide Imaging of Cardiovascular Disease 2019 , 449-497		

185	Role of Baseline and Post-Therapy 18F-FDG PET in the Prognostic Stratification of Metastatic Castration-Resistant Prostate Cancer (mCRPC) Patients Treated with Radium-223. <i>Cancers</i> , 2019 , 12,	6.6	18
184	G6Pase location in the endoplasmic reticulum: Implications on compartmental analysis of FDG uptake in cancer cells. <i>Scientific Reports</i> , 2019 , 9, 2794	4.9	13
183	FDG-PET Imaging of Doxorubicin-Induced Cardiotoxicity: a New Window on an Old Problem. <i>Current Cardiovascular Imaging Reports</i> , 2019 , 12, 1	0.7	2
182	Neuroimaging findings and clinical trajectories of Lewy body disease in patients with MCI. <i>Neurobiology of Aging</i> , 2019 , 76, 9-17	5.6	13
181	Procedural Recommendations for Lymphoscintigraphy in the Diagnosis of Peripheral Lymphedema: the Genoa Protocol. <i>Nuclear Medicine and Molecular Imaging</i> , 2019 , 53, 47-56	1.9	10
180	Obligatory role of endoplasmic reticulum in brain FDG uptake. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1184-1196	8.8	13
179	The Metabolic Pattern of Idiopathic REM Sleep Behavior Disorder Reflects Early-Stage Parkinson Disease. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1437-1444	8.9	46
178	Reference Tissue Models for FDG-PET Data: Identifiability and Solvability. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018 , 2, 177-186	4.2	8
177	Reply: Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: Are There Unsuspected Confounders?. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 713-714	8.9	1
176	Metabolic correlates of reserve and resilience in MCI due to Alzheimer's Disease (AD). <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 35	9	16
175	Small-Animal F-FDG PET for Research on : Applications and Future Directions in Invertebrate Neuroscience and Tissue Regeneration. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1302-1307	8.9	9
174	Prevention of systemic toxicity in hyperthermic isolated lung perfusion using radioisotopic leakage monitoring. <i>International Journal of Hyperthermia</i> , 2018 , 34, 469-478	3.7	1
173	Interplay between spinal cord and cerebral cortex metabolism in amyotrophic lateral sclerosis. <i>Brain</i> , 2018 , 141, 2272-2279	11.2	25
172	Assessment of Skeletal Tumor Load in Metastasized Castration-Resistant Prostate Cancer Patients: A Review of Available Methods and an Overview on Future Perspectives. <i>Bioengineering</i> , 2018 , 5,	5.3	2
171	Metabolic and densitometric correlation between atherosclerotic plaque and trabecular bone: an F-Natrium-Fluoride PET/CT study. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 8, 387-396	2.2	2
170	Effect of starvation on brain glucose metabolism and F-2-fluoro-2-deoxyglucose uptake: an experimental in-vivo and ex-vivo study. <i>EJNMMI Research</i> , 2018 , 8, 44	3.6	9
169	Enhancement of Tumor Homing by Chemotherapy-Loaded Nanoparticles. <i>Small</i> , 2018 , 14, e1802886	11	14
168	An increase in myocardial 18-fluorodeoxyglucose uptake is associated with left ventricular ejection fraction decline in Hodgkin lymphoma patients treated with anthracycline. <i>Journal of Translational Medicine</i> , 2018 , 16, 295	8.5	22

167	Comparison of coronary flow reserve estimated by dynamic radionuclide SPECT and multi-detector x-ray CT. <i>Journal of Nuclear Cardiology</i> , 2017 , 24, 1712-1721	2.1	8
166	Progressive Disintegration of Brain Networking from Normal Aging to Alzheimer Disease: Analysis of Independent Components of F-FDG PET Data. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1132-1139	8.9	32
165	A fully organic retinal prosthesis restores vision in a rat model of degenerative blindness. <i>Nature Materials</i> , 2017 , 16, 681-689	27	158
164	Circulating Tumor DNA Reflects Tumor Metabolism Rather Than Tumor Burden in Chemotherapy-Naive Patients with Advanced Non-Small Cell Lung Cancer: F-FDG PET/CT Study. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1764-1769	8.9	33
163	Abscisic acid enhances glucose disposal and induces brown fat activity in adipocytes in vitro and in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 131-144	5	24
162	Functional Activation of Osteoclast Commitment in Chronic Lymphocytic Leukaemia: a Possible Role for RANK/RANKL Pathway. <i>Scientific Reports</i> , 2017 , 7, 14159	4.9	11
161	A physiology-based parametric imaging method for FDGPET data. <i>Inverse Problems</i> , 2017 , 33, 125010	2.3	11
160	Tumor Burden and Intraosseous Metabolic Activity as Predictors of Bone Marrow Failure during Radioisotope Therapy in Metastasized Prostate Cancer Patients. <i>BioMed Research International</i> , 2017 , 2017, 3905216	3	8
159	Comparative diagnostic accuracy of 18F-FDG PET/CT for breast cancer recurrence. <i>Breast Cancer: Targets and Therapy</i> , 2017 , 9, 461-471	3.9	9
158	The Alzheimer® disease metabolic brain pattern in mild cognitive impairment. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 3643-3648	7.3	14
157	18F-FDG PET diagnostic and prognostic patterns do not overlap in Alzheimer® disease (AD) patients at the mild cognitive impairment (MCI) stage. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 2073-2083	8.8	19
156	Prediction of cognitive worsening in de novo Parkinson® disease: Clinical use of biomarkers. <i>Movement Disorders</i> , 2017 , 32, 1738-1747	7	32
155	Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: A Translational F-FDG PET/CT Observation. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1638-1645	8.9	42
154	Early identification of MCI converting to AD: a FDG PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 2042-2052	8.8	50
153	Relationship between circulating anti-thyroglobulin antibodies (TgAb) and tumor metabolism in patients with differentiated thyroid cancer (DTC): prognostic implications. <i>Journal of Endocrinological Investigation</i> , 2017 , 40, 417-424	5.2	11
152	A Score-Based Approach to F-FDG PET Images as a Tool to Describe Metabolic Predictors of Myocardial Doxorubicin Susceptibility. <i>Diagnostics</i> , 2017 , 7,	3.8	5
151	Cardiac and aortic involvement in patients with polymyalgia rheumatica: a study with echocardiography and FDG-PET/CT. <i>Clinical and Experimental Rheumatology</i> , 2017 , 35 Suppl 103, 224	2.2	1
150	Baseline and ongoing PET-derived factors predict detrimental effect or potential utility of 18F-FDG PET/CT (FDG-PET/CT) performed for surveillance in asymptomatic lymphoma patients in first remission. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 232-239	8.8	5

149	Predicting the transition from normal aging to Alzheimer's disease: A statistical mechanistic evaluation of FDG-PET data. <i>NeuroImage</i> , 2016 , 141, 282-290	7.9	27
148	A PET/CT approach to spinal cord metabolism in amyotrophic lateral sclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 2061-71	8.8	22
147	Discovery of a novel glucose metabolism in cancer: The role of endoplasmic reticulum beyond glycolysis and pentose phosphate shunt. <i>Scientific Reports</i> , 2016 , 6, 25092	4.9	52
146	Divergent targets of glycolysis and oxidative phosphorylation result in additive effects of metformin and starvation in colon and breast cancer. <i>Scientific Reports</i> , 2016 , 6, 19569	4.9	34
145	HT-BONE: a graphical user interface for the identification of bone profiles in CT images via extended Hough transform 2016 ,		3
144	Positive PET in a Patient With Esophageal Leiomyoma. <i>American Journal of Gastroenterology</i> , 2016 , 111, 767	0.7	2
143	A mathematical model for the vessel recruitment in coronary microcirculation in the absence of active autoregulation. <i>Microvascular Research</i> , 2016 , 104, 38-45	3.7	1
142	Correlation between thoracic aorta 18F-natrium fluoride uptake and cardiovascular risk. <i>World Journal of Radiology</i> , 2016 , 8, 82-9	2.9	14
141	Comparisons between glucose analogue 2-deoxy-2-((18F)fluoro-D-glucose and (18F)sodium fluoride positron emission tomography/computed tomography in breast cancer patients with bone lesions. <i>World Journal of Radiology</i> , 2016 , 8, 200-9	2.9	10
140	Diagnostic value of ischemia severity at myocardial perfusion imaging in elderly persons with suspected coronary disease. <i>Journal of Cardiovascular Medicine</i> , 2016 , 17, 719-28	1.9	3
139	Mapping brain morphological and functional conversion patterns in predementia late-onset bvFTD. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1337-47	8.8	23
138	Multicentre multi-device hybrid imaging study of coronary artery disease: results from the EVAluation of INTEgrated Cardiac Imaging for the Detection and Characterization of Ischaemic Heart Disease (EVINCI) hybrid imaging population. <i>European Heart Journal Cardiovascular Imaging</i> , 2016 , 17, 251-60	4.1	67
137	Detection of significant coronary artery disease by noninvasive anatomical and functional imaging. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	200
136	Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. <i>Biomaterials</i> , 2015 , 68, 89-99	15.6	31
135	Added prognostic value of ischaemic threshold in radionuclide myocardial perfusion imaging: a common-sense integration of exercise tolerance and ischaemia severity. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 750-60	8.8	4
134	Allogeneic cell transplant expands bone marrow distribution by colonizing previously abandoned areas: an FDG PET/CT analysis. <i>Blood</i> , 2015 , 125, 4095-102	2.2	19
133	Role of [(18F)fluorodeoxyglucose positron emission tomography-computed tomography for diagnosis and treatment of sarcoidosis in an HIV-2-infected patient. <i>AIDS Research and Human Retroviruses</i> , 2015 , 31, 868-9	1.6	
132	Nigro-caudate dopaminergic deafferentation: a marker of REM sleep behavior disorder?. <i>Neurobiology of Aging</i> , 2015 , 36, 3300-3305	5.6	47

131	Pathophysiological basis of myocardial innervation imaging in heart failure. <i>Clinical and Translational Imaging</i> , 2015 , 3, 347-355	2	2
130	Heterogeneous response of cardiac sympathetic function to cardiac resynchronization therapy in heart failure documented by 11[C]-hydroxy-ephedrine and PET/CT. <i>Nuclear Medicine and Biology</i> , 2015 , 42, 858-63	2.1	8
129	Visual versus semi-quantitative analysis of 18F-FDG-PET in amnestic MCI: an European Alzheimer's Disease Consortium (EADC) project. <i>Journal of Alzheimer's Disease</i> , 2015 , 44, 815-26	4.3	57
128	Sequential use of vinorelbine followed by gefitinib enhances the antitumor effect in NSCLC cell lines poorly responsive to reversible EGFR tyrosine kinase inhibitors. <i>International Journal of Cancer</i> , 2015 , 137, 2947-58	7.5	7
127	A new compartmental method for the analysis of liver FDG kinetics in small animal models. <i>EJNMMI Research</i> , 2015 , 5, 107	3.6	16
126	The Role of the Serotonergic System in REM Sleep Behavior Disorder. <i>Sleep</i> , 2015 , 38, 1505-9	1.1	27
125	Cardiac resynchronization therapy and cardiac sympathetic function. <i>European Journal of Clinical Investigation</i> , 2015 , 45, 792-9	4.6	14
124	Fasting induces anti-Warburg effect that increases respiration but reduces ATP-synthesis to promote apoptosis in colon cancer models. <i>Oncotarget</i> , 2015 , 6, 11806-19	3.3	97
123	IGF1 regulates PKM2 function through Akt phosphorylation. <i>Cell Cycle</i> , 2015 , 14, 1559-67	4.7	28
122	A New Integrated Clinical-Biohumoral Model to Predict Functionally Significant Coronary Artery Disease in Patients With Chronic Chest Pain. <i>Canadian Journal of Cardiology</i> , 2015 , 31, 709-16	3.8	12
121	¹⁸ F-NaF Uptake by Atherosclerotic Plaque on PET/CT Imaging: Inverse Correlation Between Calcification Density and Mineral Metabolic Activity. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1019-23	8.9	60
120	Volume of interest-based [18F]fluorodeoxyglucose PET discriminates MCI converting to Alzheimer's disease from healthy controls. A European Alzheimer's Disease Consortium (EADC) study. <i>NeuroImage: Clinical</i> , 2015 , 7, 34-42	5.3	69
119	Metformin inhibits cell cycle progression of B-cell chronic lymphocytic leukemia cells. <i>Oncotarget</i> , 2015 , 6, 22624-40	3.3	21
118	Diagnostic and prognostic value of 18F-FDG PET/CT in comparison with morphological imaging in primary adrenal gland malignancies - a multicenter experience. <i>Hellenic Journal of Nuclear Medicine</i> , 2015 , 18, 97-102	0.6	21
117	18F-FDG PET/CT is a prognostic biomarker in patients affected by bone metastases from breast cancer in comparison with 18F-NaF PET/CT. <i>Nuklearmedizin - Nuclear Medicine</i> , 2015 , 54, 163-72	1.8	14
116	Metformin and cancer: Technical and clinical implications for FDG-PET imaging. <i>World Journal of Radiology</i> , 2015 , 7, 57-60	2.9	8
115	Nuclear Cardiology in Heart Failure. <i>Current Cardiovascular Imaging Reports</i> , 2014 , 7, 1	0.7	1
114	Divergent determinants of 18F-NaF uptake and visible calcium deposition in large arteries: relationship with Framingham risk score. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 439-47	2.5	42

113	A novel description of FDG excretion in the renal system: application to metformin-treated models. <i>Physics in Medicine and Biology</i> , 2014 , 59, 2469-84	3.8	16
112	Implementation strategies of Systems Medicine in clinical research and home care for cardiovascular disease patients. <i>European Journal of Internal Medicine</i> , 2014 , 25, 785-94	3.9	6
111	Metformin, cancer and glucose metabolism. <i>Endocrine-Related Cancer</i> , 2014 , 21, R461-71	5.7	65
110	Contrast-enhanced [18 F] fluorodeoxyglucose-positron emission tomography/computed tomography in clinical oncology: tumor-, site-, and question-based comparison with standard positron emission tomography/computed tomography. <i>Cancer Imaging</i> , 2014 , 14, 10	5.6	9
109	Metabolic correlates of Rey auditory verbal learning test in elderly subjects with memory complaints. <i>Journal of Alzheimer's Disease</i> , 2014 , 39, 103-13	4.3	28
108	18F-fluorodeoxyglucose PET/CT in aplastic anemia: a literature review and the potential of a computational approach. <i>Clinical Practice (London, England)</i> , 2014 , 11, 613-621	3	4
107	Interspinous bursitis is common in polymyalgia rheumatica, but is not associated with spinal pain. <i>Arthritis Research and Therapy</i> , 2014 , 16, 492	5.7	22
106	Efficacy of sorafenib and impact on cardiac function in patients with thyroid cancer: a retrospective analysis. <i>Journal of Endocrinological Investigation</i> , 2014 , 37, 1099-108	5.2	1
105	Adult advanced chronic lymphocytic leukemia: computational analysis of whole-body CT documents a bone structure alteration. <i>Radiology</i> , 2014 , 271, 805-13	20.5	14
104	Polymyalgia rheumatica or lymphoma recurrence? Positron emission tomography/computed tomography is a specific imaging technique that helps differential diagnosis. <i>Rheumatology</i> , 2014 , 53, 809	3.9	
103	11C-mHED for PET / CT: principles of synthesis, methodology and first clinical applications. <i>Current Radiopharmaceuticals</i> , 2014 , 7, 79-83	1.8	5
102	Microalbuminuria predicts silent myocardial ischaemia in type 2 diabetes patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 548-57	8.8	9
101	1,25-Dihydroxy vitamin D and coronary microvascular function. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 40, 280-9	8.8	6
100	Tissue specificity in fasting glucose utilization in slightly obese diabetic patients submitted to bariatric surgery. <i>Obesity</i> , 2013 , 21, E175-81	8	7
99	An optimisation approach to multiprobe cryosurgery planning. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013 , 16, 885-95	2.1	16
98	Comparison of sulfur hexafluoride microbubble (SonoVue)-enhanced myocardial contrast echocardiography with gated single-photon emission computed tomography for detection of significant coronary artery disease: a large European multicenter study. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 1353-61	15.1	80
97	Metformin selectively affects human glioblastoma tumor-initiating cell viability: A role for metformin-induced inhibition of Akt. <i>Cell Cycle</i> , 2013 , 12, 145-56	4.7	129
96	Metabolic networks underlying cognitive reserve in prodromal Alzheimer disease: a European Alzheimer disease consortium project. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 894-902	8.9	88

95	Metformin temporal and localized effects on gut glucose metabolism assessed using 18F-FDG PET in mice. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 259-66	8.9	42
94	High frequency of capsular knee involvement in polymyalgia rheumatica/giant cell arteritis patients studied by positron emission tomography. <i>Rheumatology</i> , 2013 , 52, 1865-72	3.9	24
93	Pattern recognition in medical imaging by means of the Hough transform of curves 2013 ,		1
92	Direct inhibition of hexokinase activity by metformin at least partially impairs glucose metabolism and tumor growth in experimental breast cancer. <i>Cell Cycle</i> , 2013 , 12, 3490-9	4.7	99
91	Metformin impairs glucose consumption and survival in Calu-1 cells by direct inhibition of hexokinase-II. <i>Scientific Reports</i> , 2013 , 3, 2070	4.9	80
90	CD16(+) monocyte subsets are increased in large abdominal aortic aneurysms and are differentially related with circulating and cell-associated biochemical and inflammatory biomarkers. <i>Disease Markers</i> , 2013 , 34, 131-42	3.2	26
89	Estimate of FDG excretion by means of compartmental analysis and ant colony optimization of nuclear medicine data. <i>Computational and Mathematical Methods in Medicine</i> , 2013 , 2013, 793142	2.8	7
88	Use of the uteroglobin platform for the expression of a bivalent antibody against oncofetal fibronectin in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2013 , 8, e82878	3.7	
87	Direct relationship between cell density and FDG uptake in asymptomatic aortic aneurysm close to surgical threshold: an in vivo and in vitro study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 39, 91-101	8.8	26
86	A positron emission tomography/computed tomography (PET/CT) evaluation of asymptomatic abdominal aortic aneurysms: another point of view. <i>Annals of Vascular Surgery</i> , 2012 , 26, 491-9	1.7	32
85	What predicts cognitive decline in de novo Parkinson's disease?. <i>Neurobiology of Aging</i> , 2012 , 33, 1127.e1120	5.6	28
84	Resting metabolic connectivity in prodromal Alzheimer's disease. A European Alzheimer Disease Consortium (EADC) project. <i>Neurobiology of Aging</i> , 2012 , 33, 2533-50	5.6	98
83	Estimating the whole bone-marrow asset in humans by a computational approach to integrated PET/CT imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012 , 39, 1326-38	8.8	46
82	Intrabone transplant of cord blood stem cells establishes a local engraftment store: a functional PET/FDG study. <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 767369		8
81	Radionuclide brain imaging correlates of cognitive impairment in Parkinson's disease (PD). <i>Journal of the Neurological Sciences</i> , 2011 , 310, 31-5	3.2	13
80	Brain perfusion correlates of cognitive and nigrostriatal functions in de novo Parkinson's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011 , 38, 2209-18	8.8	26
79	Mesenchymal stem cells impair in vivo T-cell priming by dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17384-9	11.5	208
78	Structural abnormalities of the coronary arterial wall--in addition to luminal narrowing--affect myocardial blood flow reserve. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1704-12	8.9	31

77	Cardiac computed tomography and myocardial perfusion scintigraphy for risk stratification in asymptomatic individuals without known cardiovascular disease: a position statement of the Working Group on Nuclear Cardiology and Cardiac CT of the European Society of Cardiology. <i>European Heart Journal</i> , 2011 , 32, 1986-93, 1993a, 1993b	9.5	88
76	The reversed clock drawing test phenomenon in Alzheimer's disease: A perfusion SPECT study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2010 , 29, 1-10	2.6	6
75	The intra-bone marrow injection of cord blood cells extends the possibility of transplantation to the majority of patients with malignant hematopoietic diseases. <i>Best Practice and Research in Clinical Haematology</i> , 2010 , 23, 237-44	4.2	28
74	Whole body and cardiac metaiodobenzylguanidine kinetics in Parkinson disease and multiple system atrophy: implications for the diagnostic role of imaging. <i>Clinical Nuclear Medicine</i> , 2010 , 35, 311-6	1.7	7
73	Unawareness of memory deficit in amnesic MCI: FDG-PET findings. <i>Journal of Alzheimer's Disease</i> , 2010 , 22, 993-1003	4.3	47
72	Optimization of flow reserve measurement using SPECT technology to evaluate the determinants of coronary microvascular dysfunction in diabetes. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 357-67	8.8	13
71	Reduced coronary flow reserve in patients with primary hyperparathyroidism: a study by G-SPECT myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 2256-63	8.8	27
70	Contact with the bone marrow microenvironment readdresses the fate of transplanted hematopoietic stem cells. <i>Experimental Hematology</i> , 2010 , 38, 968-77	3.1	14
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