

Martina Tuttolomondo

List of Publications by Citations

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98
papers

1,223
citations

19
h-index

31
g-index

112
ext. papers

1,604
ext. citations

4.3
avg, IF

4.71
L-index

#	Paper	IF	Citations
98	ET-22CONVECTION-ENHANCED DELIVERY OF THE AUGER-ELECTRON-EMITTER 125I-UdR: A HIGHLY EFFICIENT THERAPY IN AN ORTHOTOPIC GLIOBLASTOMA XENOGRAFT MODEL. <i>Neuro-Oncology</i> , 2014 , 16, v84-v84	1	78
97	The pivotal role of FDG-PET/CT in modern medicine. <i>Academic Radiology</i> , 2014 , 21, 232-49	4.3	77
96	F-NaF and F-FDG as molecular probes in the evaluation of atherosclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 2190-2200	8.8	67
95	Left atrial volume index: relation to long-term clinical outcome in type 2 diabetes. <i>Journal of the American College of Cardiology</i> , 2013 , 62, 2416-2421	15.1	62
94	The Basic Principles of FDG-PET/CT Imaging. <i>PET Clinics</i> , 2014 , 9, 355-70, v	2.2	49
93	Head-to-Head Comparison of Chest X-Ray/Head and Neck MRI, Chest CT/Head and Neck MRI, and F-FDG PET/CT for Detection of Distant Metastases and Synchronous Cancer in Oral, Pharyngeal, and Laryngeal Cancer. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1919-1924	8.9	48
92	FDG-PET/CT in Infectious and Inflammatory Diseases. <i>PET Clinics</i> , 2014 , 9, 497-519, vi-vii	2.2	45
91	FDG PET/CT in cancer: comparison of actual use with literature-based recommendations. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 695-706	8.8	40
90	[18F]Fluorodeoxyglucose (FDG)-Positron Emission Tomography (PET)/Computed Tomography (CT) in Suspected Recurrent Breast Cancer: A Prospective Comparative Study of Dual-Time-Point FDG-PET/CT, Contrast-Enhanced CT, and Bone Scintigraphy. <i>Journal of Clinical Oncology</i> , 2016 , 34, 1889-97	2.2	39
89	18F-fluoro-deoxy-glucose-positron emission tomography/computed tomography in diagnosis of head and neck squamous cell carcinoma: a systematic review and meta-analysis. <i>European Journal of Cancer</i> , 2014 , 50, 2271-9	7.5	36
88	The Role of PET in Evaluating Atherosclerosis: A Critical Review. <i>Seminars in Nuclear Medicine</i> , 2018 , 48, 488-497	5.4	36
87	Clinical utility of F-18 FDG PET-CT in the initial evaluation of lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 2084-97	8.8	33
86	Dual-time-point Imaging and Delayed-time-point Fluorodeoxyglucose-PET/Computed Tomography Imaging in Various Clinical Settings. <i>PET Clinics</i> , 2016 , 11, 65-84	2.2	30
85	PET/CT without capacity limitations: a Danish experience from a European perspective. <i>European Radiology</i> , 2011 , 21, 1277-85	8	21
84	[18F]-fluorodeoxyglucose PET/computed tomography for primary brain tumors. <i>PET Clinics</i> , 2015 , 10, 59-73	2.2	20
83	Hybrid PET/MRI in major cancers: a scoping review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2138-2151	8.8	19
82	Human DMBT1-Derived Cell-Penetrating Peptides for Intracellular siRNA Delivery. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 8, 264-276	10.7	19

81	F-FDG PET/CT to differentiate malignant necrotic lymph node from benign cystic lesions in the neck. <i>Annals of Nuclear Medicine</i> , 2017 , 31, 101-108	2.5	17
80	Quantitative myocardial perfusion by O-15-water PET: individualized vs. standardized vascular territories. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 970-6	4.1	17
79	Evaluation of somatostatin and nucleolin receptors for therapeutic delivery in non-small cell lung cancer stem cells applying the somatostatin-analog DOTATATE and the nucleolin-targeting aptamer AS1411. <i>PLoS ONE</i> , 2017 , 12, e0178286	3.7	16
78	Evaluation of cobalt-labeled octreotide analogs for molecular imaging and auger electron-based radionuclide therapy. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1311-6	8.9	16
77	A brief overview of novel approaches to FDG PET imaging and quantification. <i>Clinical and Translational Imaging</i> , 2014 , 2, 187-198	2	16
76	PET/CT in the diagnosis of inflammatory bowel disease in pediatric patients: a review. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 4, 225-30	2.2	15
75	Highly Effective Auger-Electron Therapy in an Orthotopic Glioblastoma Xenograft Model using Convection-Enhanced Delivery. <i>Theranostics</i> , 2016 , 6, 2278-2291	12.1	15
74	Evolving Role of PET in Detecting and Characterizing Atherosclerosis. <i>PET Clinics</i> , 2019 , 14, 197-209	2.2	14
73	Clinical value of FDG-PET/CT in suspected paraneoplastic syndromes: a retrospective analysis of 137 patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 42, 2056-63	8.8	14
72	How to assess intra- and inter-observer agreement with quantitative PET using variance component analysis: a proposal for standardisation. <i>BMC Medical Imaging</i> , 2016 , 16, 54	2.9	13
71	Role of F-NaF-PET in assessing aortic valve calcification with age. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 10, 47-56	2.2	12
70	F-sodium fluoride PET/CT provides prognostic clarity compared to calcium and Framingham risk scoring when addressing whole-heart arterial calcification. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1678-1687	8.8	12
69	Comparison of methods of quantifying global synovial metabolic activity with FDG-PET/CT in rheumatoid arthritis. <i>International Journal of Rheumatic Diseases</i> , 2019 , 22, 2191-2198	2.3	12
68	Cost-effectiveness of PET and PET/computed tomography: a systematic review. <i>PET Clinics</i> , 2015 , 10, 105-24	2.2	10
67	FDG in Urologic Malignancies. <i>PET Clinics</i> , 2014 , 9, 457-68, vi	2.2	10
66	[¹⁸ F]-fluorodeoxyglucose PET imaging of atherosclerosis. <i>PET Clinics</i> , 2015 , 10, 1-7	2.2	8
65	Dual time-point FDG PET/CT and FDG uptake and related enzymes in lymphadenopathies: preliminary results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1824-36	8.8	8
64	A PSMA Ligand Labeled with Cobalt-55 for PET Imaging of Prostate Cancer. <i>Molecular Imaging and Biology</i> , 2017 , 19, 915-922	3.8	8

63	Seeing the unseen—bioturbation in 4D: tracing bioirrigation in marine sediment using positron emission tomography and computed tomography. <i>PLoS ONE</i> , 2015 , 10, e0122201	3.7	7
62	Personalized Clinical Decision Making in Gastrointestinal Malignancies: The Role of PET. <i>PET Clinics</i> , 2016 , 11, 273-83	2.2	7
61	Co-targeting CDK4/6 and AKT with endocrine therapy prevents progression in CDK4/6 inhibitor and endocrine therapy-resistant breast cancer. <i>Nature Communications</i> , 2021 , 12, 5112	17.4	7
60	Usefulness of the exercise electrocardiogram in diagnosing ischemic or coronary heart disease in patients with chest pain. <i>American Journal of Cardiology</i> , 2005 , 95, 96-9	3	6
59	Role of FDG-PET/CT in Assessing the Correlation Between Blood Pressure and Myocardial Metabolic Uptake. <i>Asia Oceania Journal of Nuclear Medicine and Biology</i> , 2020 , 8, 36-45	0.7	6
58	Association of triglyceride to high density lipoprotein ratio with global cardiac microcalcification to evaluate subclinical coronary atherosclerosis in non-diabetic individuals. <i>American Journal of Cardiovascular Disease</i> , 2020 , 10, 241-246	0.9	6
57	PET/CT-Based Response Evaluation in Cancer—a Systematic Review of Design Issues. <i>Molecular Imaging and Biology</i> , 2020 , 22, 33-46	3.8	6
56	Hybrid PET/MRI in non-small cell lung cancer (NSCLC) and lung nodules—a literature review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 584-591	8.8	6
55	Quantitative thoracic aorta calcification assessment by F-NaF PET/CT and its correlation with atherosclerotic cardiovascular disorders and increasing age. <i>European Radiology</i> , 2021 , 31, 785-794	8	6
54	Assessment of Total-Body Atherosclerosis by PET/Computed Tomography. <i>PET Clinics</i> , 2021 , 16, 119-128	2.2	6
53	Clinical usefulness of FDG-PET/CT for identification of abnormal extra-cardiac foci in patients with infective endocarditis. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 939-946	2.5	5
52	Clinical characteristics, myocardial perfusion deficits, and clinical outcomes of patients with non-specific chest pain hospitalized for suspected acute coronary syndrome: a 4-year prospective cohort study. <i>International Journal of Cardiology</i> , 2015 , 182, 126-31	3.2	5
51	FDG-PET/CT can rule out malignancy in patients with vocal cord palsy. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014 , 4, 193-201	2.2	5
50	Perspective of Patients with Metastatic Breast Cancer on Electronic Access to Scan Results: Mixed-Methods Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e15723	7.6	5
49	Aortic wall segmentation in F-sodium fluoride PET/CT scans: Head-to-head comparison of artificial intelligence-based versus manual segmentation. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	5
48	Histopathological Definitions of Extranodal Extension: A Systematic Review. <i>Head and Neck Pathology</i> , 2021 , 15, 599-607	3.3	5
47	Chelation, formulation, encapsulation, retention, and in vivo biodistribution of hydrophobic nanoparticles labelled with Co-porphyrin: Oleylamine ensures stable chelation of cobalt in nanoparticles that accumulate in tumors. <i>Journal of Controlled Release</i> , 2018 , 291, 11-25	11.7	5
46	An Update on the Role of Total-Body PET Imaging in the Evaluation of Atherosclerosis. <i>PET Clinics</i> , 2020 , 15, 477-485	2.2	4

45	Simple FRET Electrophoresis Method for Precise and Dynamic Evaluation of Serum siRNA Stability. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 195-202	4.3	4
44	Cost-effectiveness of chiropractic care versus self-management in patients with musculoskeletal chest pain. <i>Open Heart</i> , 2016 , 3, e000334	3	4
43	Natural pattern recognition mechanisms at epithelial barriers and potential use in nanomedicine. <i>European Journal of Nanomedicine</i> , 2014 , 6,		4
42	Added value of cost-utility analysis in simple diagnostic studies of accuracy: (18)F-fluoromethylcholine PET/CT in prostate cancer staging. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 5, 183-94	2.2	4
41	Utilization of NaF-PET/CT in assessing global cardiovascular calcification using CHADS and CHADS-VASc scoring systems in high risk individuals for cardiovascular disease. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 10, 293-300	2.2	4
40	Brain glucose metabolism in patients with newly diagnosed multiple myeloma significantly decreases after high-dose chemotherapy followed by autologous stem cell transplantation. <i>Nuclear Medicine Communications</i> , 2020 , 41, 288-293	1.6	4
39	One-step FPLC-size-exclusion chromatography procedure for purification of rDMBT1 6kb with increased biological activity. <i>Analytical Biochemistry</i> , 2018 , 542, 16-19	3.1	4
38	FDG-PET/CT for Response Monitoring in Metastatic Breast Cancer: Today, Tomorrow, and Beyond. <i>Cancers</i> , 2019 , 11,	6.6	3
37	Up-front F18-FDG PET/CT in suspected salivary gland carcinoma. <i>Annals of Nuclear Medicine</i> , 2019 , 33, 554-563	2.5	3
36	Molecular Imaging of Bacteria in Patients Is an Attractive Fata Morgana, Not a Realistic Option. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 716-717	8.9	3
35	Linked Hexokinase and Glucose-6-Phosphatase Activities Reflect Grade of Ovarian Malignancy. <i>Molecular Imaging and Biology</i> , 2019 , 21, 375-381	3.8	3
34	Acute effects of smoking on left ventricular function and neuro-humoral responses in patients with known or suspected ischaemic heart disease. <i>Clinical Physiology and Functional Imaging</i> , 2004 , 24, 216-23 ^{2,4}		3
33	Comparison of atherosclerotic burden in non-lower extremity arteries in patients with and without peripheral artery disease using F-NaF-PET/CT imaging. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 10, 272-278	2.2	3
32	Diagnostic accuracy of imaging modalities in detection of histopathological extranodal extension: A systematic review and meta-analysis. <i>Oral Oncology</i> , 2021 , 114, 105169	4.4	3
31	Two-year change in 18F-sodium fluoride uptake in major arteries of healthy subjects and angina pectoris patients. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 3115-3126	2.5	3
30	F-Fluoromethylcholine-positron emission tomography/computed tomography for diagnosing bone and lymph node metastases in patients with intermediate- or high-risk prostate cancer. <i>Prostate International</i> , 2019 , 7, 119-123	3.4	3
29	Comparison of F-sodium fluoride uptake in the whole bone, pelvis, and femoral neck of multiple myeloma patients before and after high-dose therapy and conventional-dose chemotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2846-2855	8.8	3
28	"Global" cardiac atherosclerotic burden assessed by artificial intelligence-based versus manual segmentation in F-sodium fluoride PET/CT scans: Head-to-head comparison. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	3

27	Alavi-Carlsen Calcification Score (ACCS): A Simple Measure of Global Cardiac Atherosclerosis Burden. <i>Diagnostics</i> , 2021 , 11,	3.8	3
26	Upfront PET/CT affects management decisions in patients with recurrent head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2019 , 94, 1-7	4.4	2
25	Group-sequential analysis may allow for early trial termination: illustration by an intra-observer repeatability study. <i>EJNMMI Research</i> , 2017 , 7, 79	3.6	2
24	Nicotinamide mononucleotide and melatonin counteract myocardial ischemia-reperfusion injury by activating SIRT3/FOXO1 and reducing apoptosis in aged male rats. <i>Molecular Biology Reports</i> , 2021 , 48, 3089-3096	2.8	2
23	Carotid artery molecular calcification assessed by [F]fluoride PET/CT: correlation with cardiovascular and thromboembolic risk factors. <i>European Radiology</i> , 2021 , 31, 8050-8059	8	2
22	Deleted in malignant brain tumor 1 genetic variation confers urinary tract infection risk in children and mice. <i>Clinical and Translational Medicine</i> , 2021 , 11, e477	5.7	2
21	Clinical value of F-FDG-PET/CT in suspected serious disease with special emphasis on occult cancer. <i>Annals of Nuclear Medicine</i> , 2019 , 33, 184-192	2.5	2
20	Quantitative 3D scintigraphy shows increased muscular uptake of pyrophosphate in idiopathic inflammatory myopathy. <i>EJNMMI Research</i> , 2017 , 7, 97	3.6	1
19	Breast cancer stem cells: a moving target for cancer nanomedicine. <i>European Journal of Nanomedicine</i> , 2012 , 4,		1
18	Prognostic significance of F-sodium fluoride in newly diagnosed multiple myeloma patients. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 10, 151-160	2.2	1
17	Correlation of whole-bone marrow dual-time-point F-FDG, as measured by a CT-based method of PET/CT quantification, with response to treatment in newly diagnosed multiple myeloma patients. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 10, 257-264	2.2	1
16	An understanding of the atherosclerotic molecular calcific heterogeneity between coronary, upper limb, abdominal, and lower extremity arteries as assessed by NaF PET/CT. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 11, 40-45	2.2	1
15	PET-Based Imaging with F-FDG and F-NaF to Assess Inflammation and Microcalcification in Atherosclerosis and Other Vascular and Thrombotic Disorders.. <i>Diagnostics</i> , 2021 , 11,	3.8	1
14	Diagnostic manifestations of total hemispheric glucose metabolism ratio in neuronal network diaschisis: diagnostic implications in Alzheimer's disease and mild cognitive impairment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 1164-1174	8.8	1
13	Critical review of PET imaging for detection and characterization of the atherosclerotic plaques with emphasis on limitations of FDG-PET compared to NaF-PET in this setting. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 11, 337-351	2.2	1
12	Low-Dose Radiation to COVID-19 Patients to Ease the Disease Course and Reduce the Need of Intensive Care. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 1724-1725	8.9	0
11	Preclinical cerebral cryoablation in non-tumor bearing pigs.. <i>Scientific Reports</i> , 2022 , 12, 1977	4.9	0
10	Artificial Intelligence in Vascular-PET:: Translational and Clinical Applications. <i>PET Clinics</i> , 2022 , 17, 95-113	2	0

9	Artificial intelligence-based measurements of PET/CT imaging biomarkers are associated with disease-specific survival of high-risk prostate cancer patients. <i>Scandinavian Journal of Urology</i> , 2021 , 55, 427-433	1.6	0
8	Reply to: "Comments on Kristensen et al.: Clinical value of FDG-PET/CT in suspected paraneoplastic syndromes: a retrospective analysis of 137 patients": By Betül Vatankulu, Sabire Yılmaz Aksoy, Sait Sager, Metin Halaçlı <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 582	8.8	
7	The impact of endoscopic ultrasound-guided fine-needle aspiration of lymph nodes on subsequent positron emission tomography/computed tomography imaging: a prospective study. <i>Endoscopy</i> , 2019 , 51, 165-168	3.4	
6	18F-FDG-PET/CT in Multiple Myeloma: High Intense PET Positive Lesions at Diagnosis Harbor Cytogenetic Adverse Subclones. <i>Blood</i> , 2016 , 128, 3260-3260	2.2	
5	18F-FDG-PET/CT and Osteolytic Bone Disease in Multiple Myeloma. <i>Blood</i> , 2016 , 128, 5622-5622	2.2	
4	Association of PET index quantifying skeletal uptake in NaF PET/CT images with overall survival in prostate cancer patients.. <i>Journal of Clinical Oncology</i> , 2017 , 35, 178-178	2.2	
3	Saline loading does not change renal medullary blood flow in essential hypertension. <i>FASEB Journal</i> , 2013 , 27, 955.13	0.9	
2	Non-covalent Encapsulation of siRNA with Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2021 , 2282, 353-376	1.4	
1	Evaluation of siRNA Stability and Interaction with Serum Components Using an Agarose Gel-Based Single-Molecule FRET Labeling Method. <i>Methods in Molecular Biology</i> , 2021 , 2282, 43-56	1.4	