Francesca Gallivanone

List of Publications by Year
in descending order

30 papers	1,324 citations	567281 15 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	1739 citing authors

#	Article	IF	Citations
1	AI applications to medical images: From machine learning to deep learning. Physica Medica, 2021, 83, 9-24.	0.7	253
2	A Standardized [18F]-FDG-PET Template for Spatial Normalization in Statistical Parametric Mapping of Dementia. Neuroinformatics, 2014, 12, 575-593.	2.8	240
3	Validation of an optimized SPM procedure for FDG-PET in dementia diagnosis in a clinical setting. NeuroImage: Clinical, 2014, 6, 445-454.	2.7	172
4	Phenotypic heterogeneity of Niemannâ€"Pick disease type C in monozygotic twins. Journal of Neurology, 2015, 262, 642-647.	3.6	156
5	[18F]FDG PET/CT features for the molecular characterization of primary breast tumors. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1945-1954.	6.4	61
6	Quantitative measurement of 18F-FDG PET/CT uptake reflects the expansion of circulating plasmablasts in IgG4-related disease. Rheumatology, 2017, 56, 2084-2092.	1.9	60
7	Radiomics and gene expression profile to characterise the disease and predict outcome in patients with lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3643-3655.	6.4	53
8	Response to chemotherapy in gastric adenocarcinoma with diffusionâ€weighted MRI and 18Fâ€FDGâ€PET/CT: Correlation of apparent diffusion coefficient and partial volume corrected standardized uptake value with histological tumor regression grade. Journal of Magnetic Resonance Imaging, 2014, 40, 1147-1157.	3.4	49
9	Prospective comparison of MR with diffusion-weighted imaging, endoscopic ultrasound, MDCT and positron emission tomography-CT in the pre-operative staging of oesophageal cancer: results from a pilot study. British Journal of Radiology, 2016, 89, 20160087.	2.2	47
10	The utility of FDG-PET in the differential diagnosis of Parkinsonism. Neurological Research, 2017, 39, 675-684.	1.3	38
11	PVE Correction in PET-CT Whole-Body Oncological Studies From PVE-Affected Images. IEEE Transactions on Nuclear Science, 2011, 58, 736-747.	2.0	33
12	AI-based applications in hybrid imaging: how to build smart and truly multi-parametric decision models for radiomics. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2673-2699.	6.4	29
13	Parameters Influencing PET Imaging Features: A Phantom Study with Irregular and Heterogeneous Synthetic Lesions. Contrast Media and Molecular Imaging, 2018, 2018, 1-12.	0.8	24
14	Advanced Imaging Analysis in Prostate MRI: Building a Radiomic Signature to Predict Tumor Aggressiveness. Diagnostics, 2021, 11, 594.	2.6	17
15	Biomarkers from in vivo molecular imaging of breast cancer: pretreatment 18F-FDG PET predicts patient prognosis, and pretreatment DWI-MR predicts response to neoadjuvant chemotherapy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2017, 30, 359-373.	2.0	16
16	In Silico Approach for the Definition of radiomiRNomic Signatures for Breast Cancer Differential Diagnosis. International Journal of Molecular Sciences, 2019, 20, 5825.	4.1	16
17	A Graph-Based Method for PET Image Segmentation in Radiotherapy Planning: A Pilot Study. Lecture Notes in Computer Science, 2013, , 711-720.	1.3	12
18	PET/MRI for Staging the Axilla in Breast Cancer: Current Evidence and the Rationale for SNB vs. PET/MRI Trials. Cancers, 2021, 13, 3571.	3.7	10

#	Article	IF	Citations
19	Secreted miR-153 Controls Proliferation and Invasion of Higher Gleason Score Prostate Cancer. International Journal of Molecular Sciences, 2022, 23, 6339.	4.1	7
20	A tri-modal tissue-equivalent anthropomorphic phantom for PET, CT and multi-parametric MRI radiomics. Physica Medica, 2022, 98, 28-39.	0.7	6
21	Prone 18F-FDG PET/CT changes diagnostic and surgical intervention in a breast cancer patient: some considerations about PET/CT imaging acquisition protocol. Clinical Imaging, 2015, 39, 506-509.	1.5	5
22	A Method for Manufacturing Oncological Phantoms for the Quantification of 18F-FDG PET and DW-MRI Studies. Contrast Media and Molecular Imaging, 2017, 2017, 1-7.	0.8	5
23	Prognostic Value of 18F-Fluorocholine PET Parameters in Metastatic Castrate-Resistant Prostate Cancer Patients Treated with Docetaxel. Contrast Media and Molecular Imaging, 2019, 2019, 1-7.	0.8	4
24	Frontiers from Radiomics in Molecular Imaging. Contrast Media and Molecular Imaging, 2019, 2019, 1-2.	0.8	3
25	TOUCH-SUV: a Touchscreen-Assisted Tool for Quantitative, Reproducible, Clinically Feasible and Collaborative Diagnostic Reporting of Whole-Body PET-CT Studies. International Journal of Software Engineering, 2012, 1, 24-31.	0.3	3
26	Validity of cingulate–precuneus–temporo-parietal hypometabolism for single-subject diagnosis of biomarker-proven atypical variants of Alzheimer's Disease. Journal of Neurology, 2022, 269, 4440-4451.	3.6	3
27	Adaptive threshold method based on PET measured lesion-to-background ratio for the estimation of Metabolic Target Volume from ^{18}F-FDG PET images. , 2013, , .		2
28	An automatic segmentation method for the measurement of the functional volume of oncological lesions on MR ADC maps. , 2016, , .		0
29	E-Health Decision Support Systems for the Diagnosis of Dementia Diseases. , 2013, , 84-97.		0
30	Bioinformatics Clouds for High-Throughput Technologies. , 2015, , 1294-1311.		0