Catherine Cheze-le-Rest

List of Publications by Year
in descending order

21 papers	2,633 citations	623734 14 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	2983 citing authors

#	Article	IF	Citations
1	Radiogenomics in Colorectal Cancer. Cancers, 2021, 13, 973.	3.7	18
2	Comparison and Fusion of Machine Learning Algorithms for Prospective Validation of PET/CT Radiomic Features Prognostic Value in Stage II-III Non-Small Cell Lung Cancer. Diagnostics, 2021, 11, 675.	2.6	17
3	Accurate Tumor Delineation vs. Rough Volume of Interest Analysis for 18F-FDG PET/CT Radiomics-Based Prognostic Modeling inNon-Small Cell Lung Cancer. Frontiers in Oncology, 2021, 11, 726865.	2.8	5
4	Transcriptomics in cancer revealed by Positron Emission Tomography radiomics. Scientific Reports, 2020, 10, 5660.	3.3	13
5	Revisiting the identification of tumor sub-volumes predictive of residual uptake after (chemo)radiotherapy: influence of segmentation methods on 18F-FDG PET/CT images. Scientific Reports, 2019, 9, 14925.	3.3	6
6	Comparison of Radiomics Models Built Through Machine Learning in a Multicentric Context With Independent Testing: Identical Data, Similar Algorithms, Different Methodologies. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 192-200.	3.7	16
7	Are radiomics ready for clinical prime-time in PET/CT imaging?. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 347-354.	0.7	4
8	Prognostic Value of Head and Neck Tumor Proliferative Sphericity From 3′-Deoxy-3′-[^{18}F] Fluorothymidine Positron Emission Tomography. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 33-40.	3.7	12
9	Tumour functional sphericity from PET images: prognostic value in NSCLC and impact of delineation method. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 630-641.	6.4	40
10	Responsible Radiomics Research for Faster Clinical Translation. Journal of Nuclear Medicine, 2018, 59, 189-193.	5.0	154
11	Use of baseline 18F-FDG PET scan to identify initial sub-volumes with local failure after concomitant radio-chemotherapy in head and neck cancer. Oncotarget, 2018, 9, 21811-21819.	1.8	9
12	Characterization of PET/CT images using texture analysis: the past, the present… any future?. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 151-165.	6.4	376
13	Reliability of PET/CT Shape and Heterogeneity Features in Functional and Morphologic Components of Non–Small Cell Lung Cancer Tumors: A Repeatability Analysis in a Prospective Multicenter Cohort. Journal of Nuclear Medicine, 2017, 58, 406-411.	5.0	131
14	Apport diagnostique des acquisitions dynamiques précoces dans la caractérisation des foyers prostatiques en TEP/TDM à la 18-Fluorocholine dans les récidives de cancer de la prostate. Medecine Nucleaire, 2016, 40, 114-122.	0.2	1
15	Development of a nomogram combining clinical staging with 18F-FDG PET/CT image features in non-small-cell lung cancer stage I–III. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1477-1485.	6.4	97
16	^{18}F-FDG PET Uptake Characterization Through Texture Analysis: Investigating the Complementary Nature of Heterogeneity and Functional Tumor Volume in a Multi–Cancer Site Patient Cohort. Journal of Nuclear Medicine, 2015, 56, 38-44.	5.0	374
17	Robustness of intratumour 18F-FDG PET uptake heterogeneity quantification for therapy response prediction in oesophageal carcinoma. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1662-1671.	6.4	186
18	PET functional volume delineation: a robustness and repeatability study. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 663-672.	6.4	108

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19	Intratumor Heterogeneity Characterized by Textural Features on Baseline ^{18}F-FDG PET Images Predicts Response to Concomitant Radiochemotherapy in Esophageal Cancer. Journal of Nuclear Medicine, 2011, 52, 369-378.	5.0	626
20	Accurate Automatic Delineation of Heterogeneous Functional Volumes in Positron Emission Tomography for Oncology Applications. International Journal of Radiation Oncology Biology Physics, 2010, 77, 301-308.	0.8	154
21	A Fuzzy Locally Adaptive Bayesian Segmentation Approach for Volume Determination in PET. IEEE Transactions on Medical Imaging, 2009, 28, 881-893.	8.9	282