

Catherine Cheze-le-Rest

List of Publications by Year in descending order

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21
papers

2,633
citations

623734

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677142

22
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docs citations

22
times ranked

2983
citing authors

#	ARTICLE	IF	CITATIONS
1	Intratumor Heterogeneity Characterized by Textural Features on Baseline ¹⁸ F-FDG PET Images Predicts Response to Concomitant Radiochemotherapy in Esophageal Cancer. <i>Journal of Nuclear Medicine</i> , 2011, 52, 369-378.	5.0	626
2	Characterization of PET/CT images using texture analysis: the past, the present – any future?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 151-165.	6.4	376
3	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. <i>Journal of Nuclear Medicine</i> , 2015, 56, 38-44.	5.0	374
4	A Fuzzy Locally Adaptive Bayesian Segmentation Approach for Volume Determination in PET. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 881-893.	8.9	282
5	Robustness of intratumour ¹⁸ F-FDG PET uptake heterogeneity quantification for therapy response prediction in oesophageal carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1662-1671.	6.4	186
6	Accurate Automatic Delineation of Heterogeneous Functional Volumes in Positron Emission Tomography for Oncology Applications. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 301-308.	0.8	154
7	Responsible Radiomics Research for Faster Clinical Translation. <i>Journal of Nuclear Medicine</i> , 2018, 59, 189-193.	5.0	154
8	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. <i>Journal of Nuclear Medicine</i> , 2017, 58, 406-411.	5.0	131
9	PET functional volume delineation: a robustness and repeatability study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 663-672.	6.4	108
10	Development of a nomogram combining clinical staging with ¹⁸ F-FDG PET/CT image features in non-small-cell lung cancer stage III. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1477-1485.	6.4	97
11	Tumour functional sphericity from PET images: prognostic value in NSCLC and impact of delineation method. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 630-641.	6.4	40
12	Radiogenomics in Colorectal Cancer. <i>Cancers</i> , 2021, 13, 973.	3.7	18
13	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. <i>Diagnostics</i> , 2021, 11, 675.	2.6	17
14	Comparison of Radiomics Models Built Through Machine Learning in a Multicentric Context With Independent Testing: Identical Data, Similar Algorithms, Different Methodologies. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 192-200.	3.7	16
15	Transcriptomics in cancer revealed by Positron Emission Tomography radiomics. <i>Scientific Reports</i> , 2020, 10, 5660.	3.3	13
16	Prognostic Value of Head and Neck Tumor Proliferative Sphericity From ³ H-Deoxy- ³ H-[¹⁸ F] Fluorothymidine Positron Emission Tomography. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 33-40.	3.7	12
17	Use of baseline ¹⁸ F-FDG PET scan to identify initial sub-volumes with local failure after concomitant radio-chemotherapy in head and neck cancer. <i>Oncotarget</i> , 2018, 9, 21811-21819.	1.8	9
18	Revisiting the identification of tumor sub-volumes predictive of residual uptake after (chemo)radiotherapy: influence of segmentation methods on ¹⁸ F-FDG PET/CT images. <i>Scientific Reports</i> , 2019, 9, 14925.	3.3	6

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19	Accurate Tumor Delineation vs. Rough Volume of Interest Analysis for 18F-FDG PET/CT Radiomics-Based Prognostic Modeling in Non-Small Cell Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 726865.	2.8	5
20	Are radiomics ready for clinical prime-time in PET/CT imaging?. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 63, 347-354.	0.7	4
21	Apport diagnostique des acquisitions dynamiques précoce dans la caractérisation des foyers prostatiques en TEP/TDM à la 18-Fluorocholine dans les récidives de cancer de la prostate. <i>Medecine Nucleaire</i> , 2016, 40, 114-122.	0.2	1