# Mathieu Hatt

List of Publications by Year
in descending order



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|---|---|---|---|
| 132 papers | 9,088 citations | 57758 44 h-index | 42399 92 g-index |
| 140 all docs | 140 docs citations | 140 times ranked | 7773 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338. | 7.3 | 1,869 |
| 2 | Intratumor Heterogeneity Characterized by Textural Features on Baseline <sup>18</sup>F-FDG PET Images Predicts Response to Concomitant Radiochemotherapy in Esophageal Cancer. Journal of Nuclear Medicine, 2011, 52, 369-378. | 5.0 | 626 |
| 3 | Characterization of PET/CT images using texture analysis: the past, the presentâ€¦ any future?. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 151-165. | 6.4 | 376 |
| 4 | <sup>18</sup>F-FDG PET Uptake Characterization Through Texture Analysis: Investigating the Complementary Nature of Heterogeneity and Functional Tumor Volume in a Multiâ€“Cancer Site Patient Cohort. Journal of Nuclear Medicine, 2015, 56, 38-44. | 5.0 | 374 |
| 5 | Reproducibility of Tumor Uptake Heterogeneity Characterization Through Textural Feature Analysis in <sup>18</sup>F-FDG PET. Journal of Nuclear Medicine, 2012, 53, 693-700. | 5.0 | 289 |
| 6 | A Fuzzy Locally Adaptive Bayesian Segmentation Approach for Volume Determination in PET. IEEE Transactions on Medical Imaging, 2009, 28, 881-893. | 8.9 | 282 |
| 7 | Prediction of outcome using pretreatment 18F-FDG PET/CT and MRI radiomics in locally advanced cervical cancer treated with chemoradiotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 768-786. | 6.4 | 193 |
| 8 | 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 |
| 9 | Classification and evaluation strategies of auto-segmentation approaches for PET: Report of AAPM task group No. 211. Medical Physics, 2017, 44, e1-e42. | 3.0 | 162 |
| 10 | 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 |
| 11 | Responsible Radiomics Research for Faster Clinical Translation. Journal of Nuclear Medicine, 2018, 59, 189-193. | 5.0 | 154 |
| 12 | Haralick textural features onT<sub>2</sub>-weighted MRI are associated with biochemical recurrence following radiotherapy for peripheral zone prostate cancer. Journal of Magnetic Resonance Imaging, 2017, 45, 103-117. | 3.4 | 138 |
| 13 | External validation of a combined PET and MRI radiomics model for prediction of recurrence in cervical cancer patients treated with chemoradiotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 864-877. | 6.4 | 138 |
| 14 | Reliability of PET/CT Shape and Heterogeneity Features in Functional and Morphologic Components of Nonâ€“Small Cell Lung Cancer Tumors: A Repeatability Analysis in a Prospective Multicenter Cohort. Journal of Nuclear Medicine, 2017, 58, 406-411. | 5.0 | 131 |
| 15 | Prognostic value of 18F-FDG PET image-based parameters in oesophageal cancer and impact of tumour delineation methodology. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1191-1202. | 6.4 | 130 |
| 16 | Visual Versus Quantitative Assessment of Intratumor <sup>18</sup>F-FDG PET Uptake Heterogeneity: Prognostic Value in Nonâ€“Small Cell Lung Cancer. Journal of Nuclear Medicine, 2014, 55, 1235-1241. | 5.0 | 130 |
| 17 | Impact of Tumor Size and Tracer Uptake Heterogeneity in <sup>18</sup>F-FDG PET and CT Nonâ€“Small Cell Lung Cancer Tumor Delineation. Journal of Nuclear Medicine, 2011, 52, 1690-1697. | 5.0 | 126 |
| 18 | Pretreatment <sup>18</sup>F-FDG PET/CT Radiomics Predict Local Recurrence in Patients Treated with Stereotactic Body Radiotherapy for Early-Stage Nonâ€“Small Cell Lung Cancer: A Multicentric Study. Journal of Nuclear Medicine, 2020, 61, 814-820. | 5.0 | 126 |

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|---|---|---|---|
| 19 | FDG PET/CT radiomics for predicting the outcome of locally advanced rectal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 365-375. | 6.4 | 125 |
| 20 | Reproducibility of <sup>18</sup>F-FDG and 3â€²-Deoxy-3â€²-<sup>18</sup>F-Fluorothymidine PET Tumor Volume Measurements. Journal of Nuclear Medicine, 2010, 51, 1368-1376. | 5.0 | 118 |
| 21 | The first MICCAI challenge on PET tumor segmentation. Medical Image Analysis, 2018, 44, 177-195. | 11.6 | 116 |
| 22 | Head and neck tumor segmentation in PET/CT: The HECKTOR challenge. Medical Image Analysis, 2022, 77, 102336. | 11.6 | 114 |
| 23 | PET functional volume delineation: a robustness and repeatability study. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 663-672. | 6.4 | 108 |
| 24 | FDG PET/CT texture analysis for predicting the outcome of lung cancer treated by stereotactic body radiation therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1453-1460. | 6.4 | 102 |
| 25 | Development of a nomogram combining clinical staging with 18F-FDG PET/CT image features in non-small-cell lung cancer stage Iâ€“III. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1477-1485. | 6.4 | 97 |
| 26 | Artificial intelligence, machine (deep) learning and radio(geno)mics: definitions and nuclear medicine imaging applications. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2630-2637. | 6.4 | 91 |
| 27 | Next-Generation Radiogenomics Sequencing for Prediction of EGFR and KRAS Mutation Status in NSCLC Patients Using Multimodal Imaging and Machine Learning Algorithms. Molecular Imaging and Biology, 2020, 22, 1132-1148. | 2.6 | 90 |
| 28 | Machine (Deep) Learning Methods for Image Processing and Radiomics. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 104-108. | 3.7 | 89 |
| 29 | Artificial intelligence: Deep learning in oncological radiomics and challenges of interpretability and data harmonization. Physica Medica, 2021, 83, 108-121. | 0.7 | 85 |
| 30 | Radiomics in PET/CT: More Than Meets the Eye?. Journal of Nuclear Medicine, 2017, 58, 365-366. | 5.0 | 83 |
| 31 | Comparison Between 18F-FDG PET Imageâ€“Derived Indices for Early Prediction of Response to Neoadjuvant Chemotherapy in Breast Cancer. Journal of Nuclear Medicine, 2013, 54, 341-349. | 5.0 | 74 |
| 32 | Radiomics: Data Are Also Images. Journal of Nuclear Medicine, 2019, 60, 38S-44S. | 5.0 | 74 |
| 33 | Early Metabolic Response to Neoadjuvant Treatment: FDG PET/CT Criteria according to Breast Cancer Subtype. Radiology, 2015, 277, 358-371. | 7.3 | 72 |
| 34 | Baseline 18F-FDG PET image-derived parameters for therapy response prediction in oesophageal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1595-1606. | 6.4 | 71 |
| 35 | Do clinical, histological or immunohistochemical primary tumour characteristics translate into different 18F-FDG PET/CT volumetric and heterogeneity features in stage II/III breast cancer?. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1682-1691. | 6.4 | 63 |
| 36 | Denoising of PET images by combining wavelets and curvelets for improved preservation of resolution and quantitation. Medical Image Analysis, 2013, 17, 877-891. | 11.6 | 60 |

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|---|---|---|---|
| 37 | HER2-overexpressing breast cancer: FDG uptake after two cycles of chemotherapy predicts the outcome of neoadjuvant treatment. British Journal of Cancer, 2013, 109, 1157-1164. | 6.4 | 59 |
| 38 | Impact of Partial-Volume Effect Correction on the Predictive and Prognostic Value of Baseline <sup>18</sup>F-FDG PET Images in Esophageal Cancer. Journal of Nuclear Medicine, 2012, 53, 12-20. | 5.0 | 58 |
| 39 | <sup>18</sup>F-FDG PET/CT imaging in rectal cancer: relationship with theRASmutational status. British Journal of Radiology, 2016, 89, 20160212. | 2.2 | 54 |
| 40 | Early assessment with 18F-fluorodeoxyglucose positron emission tomography/computed tomography can help predict the outcome of neoadjuvant chemotherapy in triple negative breast cancer. European Journal of Cancer, 2014, 50, 1864-1871. | 2.8 | 53 |
| 41 | Incorporating Patient-Specific Variability in the Simulation of Realistic Whole-Body $^{18}{hbox{F-FDG}}$ Distributions for Oncology Applications. Proceedings of the IEEE, 2009, 97, 2026-2038. | 21.3 | 52 |
| 42 | External Validation of an MRI-Derived Radiomics Model to Predict Biochemical Recurrence after Surgery for High-Risk Prostate Cancer. Cancers, 2020, 12, 814. | 3.7 | 50 |
| 43 | Baseline Tumor <sup>18</sup>F-FDG Uptake and Modifications After 2 Cycles of Neoadjuvant Chemotherapy Are Prognostic of Outcome in ER+/HER2â˜ Breast Cancer. Journal of Nuclear Medicine, 2015, 56, 824-831. | 5.0 | 48 |
| 44 | Estrogen receptorâ€positive/human epidermal growth factor receptor 2â€negative breast tumors. Cancer, 2013, 119, 1960-1968. | 4.1 | 47 |
| 45 | Squeeze-and-Excitation Normalization for Automated Delineation of Head and Neck Primary Tumors in Combined PET and CT Images. Lecture Notes in Computer Science, 2021, , 37-43. | 1.3 | 47 |
| 46 | 18F-FDG PET/CT heterogeneity quantification through textural features in the era of harmonisation programs: a focus on lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2324-2335. | 6.4 | 45 |
| 47 | Early prediction of pathological response in locally advanced rectal cancer based on sequential <sup>18</sup>F-FDG PET. Acta OncolÃ³gica, 2013, 52, 619-626. | 1.8 | 40 |
| 48 | 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 |
| 49 | Evaluation of a 3D local multiresolution algorithm for the correction of partial volume effects in positron emission tomography. Medical Physics, 2011, 38, 4920-4933. | 3.0 | 39 |
| 50 | Overview of the HECKTOR Challenge at MICCAI 2021: Automatic Head and Neck Tumor Segmentation and Outcome Prediction in PET/CT Images. Lecture Notes in Computer Science, 2022, , 1-37. | 1.3 | 39 |
| 51 | Radiogenomics-based cancer prognosis in colorectal cancer. Scientific Reports, 2019, 9, 9743. | 3.3 | 38 |
| 52 | MRI-derived radiomics: methodology and clinical applications in the field of pelvic oncology. British Journal of Radiology, 2019, 92, 20190105. | 2.2 | 38 |
| 53 | The added value of PSMA PET/MR radiomics for prostate cancer staging. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 527-538. | 6.4 | 38 |
| 54 | The age of reason for FDG PET image-derived indices. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1670-1672. | 6.4 | 36 |

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| 55 | Hypoxia imaging with [18F]-FMISO-PET for guided dose escalation with intensity-modulated radiotherapy in head-and-neck cancers. Strahlentherapie Und Onkologie, 2015, 191, 217-224. | 2.0 | 36 |
| 56 | Toward a standard for the evaluation of <scp>PET</scp>â€Autoâ€Segmentation methods following the recommendations of AAPM task group No. 211: Requirements and implementation. Medical Physics, 2017, 44, 4098-4111. | 3.0 | 35 |
| 57 | MRI-Derived Radiomics to Guide Post-operative Management for High-Risk Prostate Cancer. Frontiers in Oncology, 2019, 9, 807. | 2.8 | 35 |
| 58 | Radiomics in PET/CT: Current Status and Future AI-Based Evolutions. Seminars in Nuclear Medicine, 2021, 51, 126-133. | 4.6 | 33 |
| 59 | Radiomics analysis of 3D dose distributions to predict toxicity of radiotherapy for lung cancer. Radiotherapy and Oncology, 2021, 155, 144-150. | 0.6 | 33 |
| 60 | Machine learning for radiomics-based multimodality and multiparametric modeling. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 323-338. | 0.7 | 33 |
| 61 | [18F]FDG PET radiomics to predict disease-free survival in cervical cancer: a multi-scanner/center study with external validation. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3432-3443. | 6.4 | 32 |
| 62 | Semiautomatic methods for segmentation of the proliferative tumour volume on sequential FLT PET/CT images in head and neck carcinomas and their relation to clinical outcome. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 915-924. | 6.4 | 31 |
| 63 | Comparison of Tumor Uptake Heterogeneity Characterization Between Static and Parametric <sup>18</sup>F-FDG PET Images in Nonâ€“Small Cell Lung Cancer. Journal of Nuclear Medicine, 2016, 57, 1033-1039. | 5.0 | 31 |
| 64 | Non-stationary fuzzy Markov chain. Pattern Recognition Letters, 2007, 28, 2201-2208. | 4.2 | 30 |
| 65 | Correlation of Intra-Tumor 18F-FDG Uptake Heterogeneity Indices with Perfusion CT Derived Parameters in Colorectal Cancer. PLoS ONE, 2014, 9, e99567. | 2.5 | 30 |
| 66 | Potential Complementary Value of Noncontrast and Contrast Enhanced CT Radiomics in Colorectal Cancers. Academic Radiology, 2019, 26, 469-479. | 2.5 | 29 |
| 67 | Investigation of realistic PET simulations incorporating tumor patientË^s specificity using anthropomorphic models: Creation of an oncology database. Medical Physics, 2013, 40, 112506. | 3.0 | 26 |
| 68 | FDG PET radiomics: a review of the methodological aspects. Clinical and Translational Imaging, 2018, 6, 379-391. | 2.1 | 26 |
| 69 | Contrast enhancement in emission tomography by way of synergistic PET/CT image combination. Computer Methods and Programs in Biomedicine, 2008, 90, 191-201. | 4.7 | 25 |
| 70 | Reproducibility of functional volume and activity concentration in 18F-FDG PET/CT of liver metastases in colorectal cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1858-1867. | 6.4 | 24 |
| 71 | Reoxygenation during radiotherapy in intermediate-risk prostate cancer. Radiotherapy and Oncology, 2019, 133, 16-19. | 0.6 | 23 |
| 72 | PET/MR attenuation correction: where have we come from and where are we going?. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1172-1175. | 6.4 | 21 |

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| 73 | A transfer learning approach to facilitate ComBat-based harmonization of multicentre radiomic features in new datasets. PLoS ONE, 2021, 16, e0253653. | 2.5 | 21 |
| 74 | A framework for multimodal imaging-based prognostic model building: Preliminary study on multimodal MRI in Glioblastoma Multiforme. Irbm, 2015, 36, 345-350. | 5.6 | 20 |
| 75 | Non-invasive imaging prediction of tumor hypoxia: A novel developed and externally validated CT and FDG-PET-based radiomic signatures. Radiotherapy and Oncology, 2020, 153, 97-105. | 0.6 | 19 |
| 76 | Potential of [18F]-Fluoromisonidazole positron-emission tomography for radiotherapy planning in head and neck squamous cell carcinomas. Strahlentherapie Und Onkologie, 2013, 189, 1015-1019. | 2.0 | 18 |
| 77 | Radiogenomics in Colorectal Cancer. Cancers, 2021, 13, 973. | 3.7 | 18 |
| 78 | Impact of the accuracy of automatic tumour functional volume delineation on radiotherapy treatment planning. Physics in Medicine and Biology, 2012, 57, 5381-5397. | 3.0 | 17 |
| 79 | Performance of automatic image segmentation algorithms for calculating total lesion glycolysis for early response monitoring in non-small cell lung cancer patients during concomitant chemoradiotherapy. Radiotherapy and Oncology, 2016, 119, 473-479. | 0.6 | 17 |
| 80 | 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 |
| 81 | SPEQTACLE: An automated generalized fuzzy Câ€means algorithm for tumor delineation in PET. Medical Physics, 2015, 42, 5720-5734. | 3.0 | 16 |
| 82 | 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 |
| 83 | Evaluation of tumor hypoxia prior to radiotherapy in intermediate-risk prostate cancer using 18F-fluoromisonidazole PET/CT: a pilot study. Oncotarget, 2018, 9, 10005-10015. | 1.8 | 16 |
| 84 | Autocontouring Versus Manual Contouring. Journal of Nuclear Medicine, 2011, 52, 658.1-658. | 5.0 | 15 |
| 85 | Image Enhancement With PDEs and Nonconservative Advection Flow Fields. IEEE Transactions on Image Processing, 2019, 28, 3075-3088. | 9.8 | 15 |
| 86 | Convolutional neural networks for PET functional volume fully automatic segmentation: development and validation in a multi-center setting. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3444-3456. | 6.4 | 15 |
| 87 | Statistical harmonization can improve the development of a multicenter CTâ€based radiomic model predictive of nonresponse to induction chemotherapy in laryngeal cancers. Medical Physics, 2021, 48, 4099-4109. | 3.0 | 15 |
| 88 | FDG PET/CT for rectal carcinoma radiotherapy treatment planning: comparison of functional volume delineation algorithms and clinical challenges. Journal of Applied Clinical Medical Physics, 2014, 15, 216-228. | 1.9 | 14 |
| 89 | Simultaneous Mapping of Vasculature, Hypoxia, and Proliferation Using Dynamic Susceptibility Contrast MRI, <sup>18</sup>F-FMISO PET, and <sup>18</sup>F-FLT PET in Relation to Contrast Enhancement in Newly Diagnosed Glioblastoma. Journal of Nuclear Medicine, 2021, 62, 1349-1356. | 5.0 | 14 |
| 90 | Development of a Radiomic-Based Model Predicting Lymph Node Involvement in Prostate Cancer Patients. Cancers, 2021, 13, 5672. | 3.7 | 14 |

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| 91 | Multicentric validation of radiomics findings: challenges and opportunities. EBioMedicine, 2019, 47, 20-21. | 6.1 | 13 |
| 92 | Transcriptomics in cancer revealed by Positron Emission Tomography radiomics. Scientific Reports, 2020, 10, 5660. | 3.3 | 13 |
| 93 | Prognostic Value of Head and Neck Tumor Proliferative Sphericity From 3â€™-Deoxy-3â€™-[<sup>18</sup>F] Fluorothymidine Positron Emission Tomography. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 33-40. | 3.7 | 12 |
| 94 | Radiomics Analysis of 3D Dose Distributions to Predict Toxicity of Radiotherapy for Cervical Cancer. Journal of Personalized Medicine, 2021, 11, 398. | 2.5 | 12 |
| 95 | Prediction of recurrence after surgery in colorectal cancer patients using radiomics from diagnostic contrast-enhanced computed tomography: a two-center study. European Radiology, 2022, 32, 405-414. | 4.5 | 11 |
| 96 | External Validation of a Radiomics Model for the Prediction of Complete Response to Neoadjuvant Chemoradiotherapy in Rectal Cancer. Cancers, 2022, 14, 1079. | 3.7 | 11 |
| 97 | Defining Radiotherapy Target Volumes Using 18F-Fluoro-Deoxy-Glucose Positron Emission Tomography/Computed Tomography: Still a Pandoraâ€™s Box?: In Regard to Devic etÂal. (Int J Radiat Oncol) Tj ETQq1 1 0.784314 rgBT | | |
| 98 | Prognostic value of multimodal MRI tumor features in Glioblastoma multiforme using textural features analysis. , 2015, , . | | 9 |
| 99 | A framework based on hidden Markov trees for multimodal <scp>PET</scp>/<scp>CT</scp> image coâ€segmentation. Medical Physics, 2017, 44, 5835-5848. | 3.0 | 9 |
| 100 | Heterogeneity analysis of 18F-FDG PET imaging in oncology: clinical indications and perspectives. Clinical and Translational Imaging, 2018, 6, 393-410. | 2.1 | 9 |
| 101 | Use of radiomics in the radiation oncology setting: Where do we stand and what do we need?. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2020, 24, 755-761. | 1.4 | 8 |
| 102 | Comparison of different methods of incorporating respiratory motion for lung cancer tumor volume delineation on PET images: a simulation study. Physics in Medicine and Biology, 2012, 57, 7409-7430. | 3.0 | 7 |
| 103 | Can alternative PET reconstruction schemes improve the prognostic value of radiomic features in non-small cell lung cancer?. Methods, 2021, 188, 73-83. | 3.8 | 7 |
| 104 | Squeeze-and-Excitation Normalization for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2021, , 366-373. | 1.3 | 7 |
| 105 | Prognosis classification in glioblastoma multiforme using multimodal MRI derived heterogeneity textural features: impact of pre-processing choices. , 2016, , . | | 6 |
| 106 | Independent component analysis for rectal bleeding prediction following prostate cancer radiotherapy. Radiotherapy and Oncology, 2018, 126, 263-269. | 0.6 | 6 |
| 107 | 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 |
| 108 | Evaluation of the tumor registration error in biopsy procedures performed under realâ€time PET/CT guidance. Medical Physics, 2017, 44, 5089-5095. | 3.0 | 5 |

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|---|---|---|---|
| 109 | Use of Baseline 18F-FDG PET/CT to Identify Initial Sub-Volumes Associated With Local Failure After Concomitant Chemoradiotherapy in Locally Advanced Cervical Cancer. Frontiers in Oncology, 2020, 10, 678. | 2.8 | 5 |
| 110 | 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 |
| 111 | Image Change Detection Using Paradoxical Theory for Patient Follow-Up Quantitation and Therapy Assessment. IEEE Transactions on Medical Imaging, 2012, 31, 1743-1753. | 8.9 | 4 |
| 112 | Guidelines on Setting Up Stations for Remote Viewing of Nuclear Medicine and Molecular Imaging Studies During COVID-19. Journal of Nuclear Medicine Technology, 2021, 49, 2-6. | 0.8 | 4 |
| 113 | Conditional partial volume correction for emission tomography: A wavelet-based hidden Markov model and multi-resolution approach. , 2008, , . | | 2 |
| 114 | Une nouvelle mÃ©thode de dÃ©termination automatique des volumes fonctionnels pour les applications de lâ€™imagerie dâ€™Ã©mission en oncologie. Irbm, 2009, 30, 144-149. | 5.6 | 2 |
| 115 | MRI data driven partial volume effects correction in PET imaging using 3D local multi-resolution analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 39-41. | 1.6 | 2 |
| 116 | Use of FDG-PET to guide dose prescription heterogeneity in stereotactic body radiation therapy for lung cancers with volumetric modulated arc therapy: a feasibility study. Radiation Oncology, 2014, 9, 300. | 2.7 | 2 |
| 117 | MO-DE-207B-11: Reliability of PET/CT Radiomics Features in Functional and Morphological Components of NSCLC Lesions: A Repeatability Analysis in a Prospective Multicenter Cohort. Medical Physics, 2016, 43, 3706-3707. | 3.0 | 2 |
| 118 | Regarding â€œSegmentation of heterogeneous or small FDG PET positive tissue based on a 3D-locally adaptive random walk algorithmâ€•By DP. Onoma et al.. Computerized Medical Imaging and Graphics, 2015, 46, 300-301. | 5.8 | 1 |
| 119 | EP-1476 Validation of a combined PET and MRI radiomics model for prediction of recurrence in cervical cancer. Radiotherapy and Oncology, 2019, 133, S800. | 0.6 | 1 |
| 120 | Validation of an MRI-Derived Radiomics Model to Guide Patients Selection for Adjuvant Radiotherapy after Prostatectomy for High-Risk Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 105, E266-E267. | 0.8 | 1 |
| 121 | TUâ€CDâ€BRBâ€10: 18Fâ€FDG PET Imageâ€Derived Tumor Features Highlight Altered Pathways Identified by Trancriptomic Analysis in Head and Neck Cancer. Medical Physics, 2015, 42, 3604-3605. | 3.0 | 1 |
| 122 | Reply: Marker Selection Based on Only Reproducibility Can Be Questioned. Journal of Nuclear Medicine, 2012, 53, 1993.2-1993. | 5.0 | 0 |
| 123 | Spatially Accurate Ground Truth for PET Segmentation Verification From Biopsy Specimens Extracted Under PET/CT Guidance. International Journal of Radiation Oncology Biology Physics, 2014, 90, S845. | 0.8 | 0 |
| 124 | Image Filtering with Advectors. , 2018, , . | | 0 |
| 125 | SP-0355: Machine learning for radiomics and outcome modeling. Radiotherapy and Oncology, 2018, 127, S183. | 0.6 | 0 |
| 126 | EP-1936 PET/CT Radiomics predict local recurrence in patients treated with SBRT for early-stage NSCLC. Radiotherapy and Oncology, 2019, 133, S1054. | 0.6 | 0 |

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|---|---|---|---|
| 127 | PO-0733 Non-invasive imaging for tumor hypoxia: a novel validated CT and FDG-PET-based Radiomic signature.. Radiotherapy and Oncology, 2019, 133, S376-S377. | 0.6 | 0 |
| 128 | PO-0857 MRI-derived radiomics to select patients with high-risk prostate cancer for adjuvant radiotherapy. Radiotherapy and Oncology, 2019, 133, S451-S452. | 0.6 | 0 |
| 129 | WE-E-BRC-01: Impact of Tumor Size and 18F-FDG Tracer Uptake Heterogeneity in Non-Small Cell Lung Cancer Tumor Automatic Delineation on PET and CT Images for Gross Tumor Volumes Determination. Medical Physics, 2011, 38, 3818-3818. | 3.0 | 0 |
| 130 | SU-E-J-53: Multi Observation PET Image Fusion for Patient Follow-Up Quantitation in Oncology. Medical Physics, 2011, 38, 3454-3454. | 3.0 | 0 |
| 131 | TU-A-141-01: Multi Modal PET/CT Imaging for Therapy Response Early Prediction and Therapy Monitoring. Medical Physics, 2013, 40, 425-425. | 3.0 | 0 |
| 132 | SU-D-500-04: Impact of Delineation and Partial Volume Effects Correction On PET Uptake Heterogeneity Quantification Through Textural Features Analysis for Therapy Response in Oncology. Medical Physics, 2013, 40, 106-106. | 3.0 | 0 |