

# Philippe Lambin

## List of Publications by Citations

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473  
papers

32,575  
citations

84  
h-index

163  
g-index

512  
ext. papers

40,339  
ext. citations

4  
avg, IF

6.94  
L-index

#	Paper	IF	Citations
473	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. <i>Nature Communications</i> , <b>2014</b> , 5, 4006	17.4	2330
472	Radiomics: extracting more information from medical images using advanced feature analysis. <i>European Journal of Cancer</i> , <b>2012</b> , 48, 441-6	7.5	2278
471	Radiomics: the bridge between medical imaging and personalized medicine. <i>Nature Reviews Clinical Oncology</i> , <b>2017</b> , 14, 749-762	19.4	1576
470	Radiomics: the process and the challenges. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 1234-48	3.3	1156
469	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , <b>2020</b> , 295, 328-338	20.5	734
468	The unfolded protein response protects human tumor cells during hypoxia through regulation of the autophagy genes MAP1LC3B and ATG5. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 127-41	15.9	588
467	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , <b>2017</b> , 14, 169-186	19.4	532
466	Machine Learning methods for Quantitative Radiomic Biomarkers. <i>Scientific Reports</i> , <b>2015</b> , 5, 13087	4.9	525
465	CT-based radiomic signature predicts distant metastasis in lung adenocarcinoma. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 114, 345-50	5.3	444
464	Robust Radiomics feature quantification using semiautomatic volumetric segmentation. <i>PLoS ONE</i> , <b>2014</b> , 9, e102107	3.7	363
463	Nomograms for predicting local recurrence, distant metastases, and overall survival for patients with locally advanced rectal cancer on the basis of European randomized clinical trials. <i>Journal of Clinical Oncology</i> , <b>2011</b> , 29, 3163-72	2.2	334
462	A literature review of electronic portal imaging for radiotherapy dosimetry. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 88, 289-309	5.3	332
461	Identification of residual metabolic-active areas within individual NSCLC tumours using a pre-radiotherapy (18)Fluorodeoxyglucose-PET-CT scan. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 91, 386-92	5.3	318
460	Radiomic feature clusters and prognostic signatures specific for Lung and Head & Neck cancer. <i>Scientific Reports</i> , <b>2015</b> , 5, 11044	4.9	292
459	Selection of patients for radiotherapy with protons aiming at reduction of side effects: the model-based approach. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 107, 267-73	5.3	289
458	Stability of FDG-PET Radiomics features: an integrated analysis of test-retest and inter-observer variability. <i>Acta Oncologica</i> , <b>2013</b> , 52, 1391-7	3.2	284
457	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. <i>EMBO Journal</i> , <b>2006</b> , 25, 1114-25	13	278

456	Predicting outcomes in radiation oncology--multifactorial decision support systems. <i>Nature Reviews Clinical Oncology</i> , <b>2013</b> , 10, 27-40	19.4	270
455	Time between the first day of chemotherapy and the last day of chest radiation is the most important predictor of survival in limited-disease small-cell lung cancer. <i>Journal of Clinical Oncology</i> , <b>2006</b> , 24, 1057-63	2.2	252
454	The effect of SUV discretization in quantitative FDG-PET Radiomics: the need for standardized methodology in tumor texture analysis. <i>Scientific Reports</i> , <b>2015</b> , 5, 11075	4.9	246
453	PET-CT-based auto-contouring in non-small-cell lung cancer correlates with pathology and reduces interobserver variability in the delineation of the primary tumor and involved nodal volumes. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2007</b> , 68, 771-8	4	239
452	Comparison of the effectiveness of radiotherapy with photons, protons and carbon-ions for non-small cell lung cancer: a meta-analysis. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 95, 32-40	5.3	237
451	Radiomic Machine-Learning Classifiers for Prognostic Biomarkers of Head and Neck Cancer. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 272	5.3	225
450	Exploratory Study to Identify Radiomics Classifiers for Lung Cancer Histology. <i>Frontiers in Oncology</i> , <b>2016</b> , 6, 71	5.3	211
449	Quantitative radiomics studies for tissue characterization: a review of technology and methodological procedures. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160665	3.4	207
448	Radical treatment of non-small-cell lung cancer patients with synchronous oligometastases: long-term results of a prospective phase II trial (Nct01282450). <i>Journal of Thoracic Oncology</i> , <b>2012</b> , 7, 1547-55	8.9	189
447	E-Cadherin loss associated with EMT promotes radioresistance in human tumor cells. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 99, 392-397	5.3	173
446	Imaging of CA IX with fluorescent labelled sulfonamides distinguishes hypoxic and (re)-oxygenated cells in a xenograft tumour model. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 92, 423-8	5.3	173
445	Selective mediastinal node irradiation based on FDG-PET scan data in patients with non-small-cell lung cancer: a prospective clinical study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 62, 988-94	4	173
444	Quantitative computed tomographic descriptors associate tumor shape complexity and intratumor heterogeneity with prognosis in lung adenocarcinoma. <i>PLoS ONE</i> , <b>2015</b> , 10, e0118261	3.7	167
443	Disparity between in vivo EGFR expression and 89Zr-labeled cetuximab uptake assessed with PET. <i>Journal of Nuclear Medicine</i> , <b>2009</b> , 50, 123-31	8.9	167
442	The maximum uptake of (18)F-deoxyglucose on positron emission tomography scan correlates with survival, hypoxia inducible factor-1alpha and GLUT-1 in non-small cell lung cancer. <i>European Journal of Cancer</i> , <b>2007</b> , 43, 1392-8	7.5	163
441	Defining the biological basis of radiomic phenotypes in lung cancer. <i>ELife</i> , <b>2017</b> , 6,	8.9	158
440	Tumor perfusion rate determined noninvasively by dynamic computed tomography predicts outcome in head-and-neck cancer after radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2003</b> , 57, 1351-6	4	156
439	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2009</b> , 24 Suppl 1, 1-39	5.6	153

438	PERK/eIF2 $\beta$ signaling protects therapy resistant hypoxic cells through induction of glutathione synthesis and protection against ROS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4622-7	11.5	151
437	'Rapid Learning health care in oncology' - an approach towards decision support systems enabling customised radiotherapy'. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 109, 159-64	5.3	147
436	External validation of a prognostic CT-based radiomic signature in oropharyngeal squamous cell carcinoma. <i>Acta Oncologica</i> , <b>2015</b> , 54, 1423-9	3.2	144
435	Specific inhibition of carbonic anhydrase IX activity enhances the in vivo therapeutic effect of tumor irradiation. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 99, 424-31	5.3	144
434	Oxygenation of head and neck tumors. <i>Cancer</i> , <b>1993</b> , 71, 2319-25	6.4	143
433	Accurate automatic delineation of heterogeneous functional volumes in positron emission tomography for oncology applications. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 77, 301-8	4	141
432	Mature results of an individualized radiation dose prescription study based on normal tissue constraints in stages I to III non-small-cell lung cancer. <i>Journal of Clinical Oncology</i> , <b>2010</b> , 28, 1380-6	2.2	140
431	Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 367-73	5.3	138
430	The current status of FDG-PET in tumour volume definition in radiotherapy treatment planning. <i>Cancer Treatment Reviews</i> , <b>2006</b> , 32, 245-60	14.4	137
429	How costly is particle therapy? Cost analysis of external beam radiotherapy with carbon-ions, protons and photons. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 95, 45-53	5.3	136
428	Selective nodal irradiation on basis of (18)FDG-PET scans in limited-disease small-cell lung cancer: a prospective study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 77, 329-36	4	135
427	Increased therapeutic ratio by 18FDG-PET CT planning in patients with clinical CT stage N2-N3M0 non-small-cell lung cancer: a modeling study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 61, 649-55	4	135
426	Monitoring myeloablative therapy-induced small bowel toxicity by serum citrulline concentration: a comparison with sugar permeability tests. <i>Cancer</i> , <b>2005</b> , 103, 191-9	6.4	127
425	Targeting Hypoxia to Improve Non-Small Cell Lung Cancer Outcome. <i>Journal of the National Cancer Institute</i> , <b>2018</b> , 110,	9.7	124
424	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. <i>Medical Physics</i> , <b>2018</b> , 45, 3449-3459	4.4	123
423	Effects of radiotherapy planning with a dedicated combined PET-CT-simulator of patients with non-small cell lung cancer on dose limiting normal tissues and radiation dose-escalation: a planning study. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 77, 5-10	5.3	121
422	Volumetric CT-based segmentation of NSCLC using 3D-Slicer. <i>Scientific Reports</i> , <b>2013</b> , 3, 3529	4.9	120
421	Dynamic contrast-enhanced magnetic resonance imaging of radiation therapy-induced microcirculation changes in rectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2005</b> , 63, 1309-15	4	116

4 <sup>20</sup>	Impact of tumor size and tracer uptake heterogeneity in (18)F-FDG PET and CT non-small cell lung cancer tumor delineation. <i>Journal of Nuclear Medicine</i> , <b>2011</b> , 52, 1690-7	8.9	113
4 <sup>19</sup>	Automated Delineation of Lung Tumors from CT Images Using a Single Click Ensemble Segmentation Approach. <i>Pattern Recognition</i> , <b>2013</b> , 46, 692-702	7.7	112
4 <sup>18</sup>	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 92, 411-6	5.3	112
4 <sup>17</sup>	Influence of gray level discretization on radiomic feature stability for different CT scanners, tube currents and slice thicknesses: a comprehensive phantom study. <i>Acta Oncologica</i> , <b>2017</b> , 56, 1544-1553	3.2	111
4 <sup>16</sup>	A comparative study of the hypoxia PET tracers [ <sup>18</sup> F]HX4, [ <sup>18</sup> F]FAZA, and [ <sup>18</sup> F]FMISO in a preclinical tumor model. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 91, 351-9	4	111
4 <sup>15</sup>	Tracking tumor biology with radiomics: A systematic review utilizing a radiomics quality score. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 127, 349-360	5.3	110
4 <sup>14</sup>	Preclinical evaluation and validation of [18F]HX4, a promising hypoxia marker for PET imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 14620-5	11.5	109
4 <sup>13</sup>	Citrulline: a physiologic marker enabling quantitation and monitoring of epithelial radiation-induced small bowel damage. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2003</b> , 57, 1067-74	4	107
4 <sup>12</sup>	Functional MRI for radiotherapy dose painting. <i>Magnetic Resonance Imaging</i> , <b>2012</b> , 30, 1216-23	3.3	106
4 <sup>11</sup>	Preservation of parotid function with uncomplicated conformal radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2002</b> , 63, 203-211	5.3	105
4 <sup>10</sup>	Timing of chest radiotherapy in patients with limited stage small cell lung cancer: a systematic review and meta-analysis of randomised controlled trials. <i>Cancer Treatment Reviews</i> , <b>2007</b> , 33, 461-73	14.4	103
4 <sup>09</sup>	Development of a clinical decision support system for severity risk prediction and triage of COVID-19 patients at hospital admission: an international multicentre study. <i>European Respiratory Journal</i> , <b>2020</b> , 56,	13.6	100
4 <sup>08</sup>	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 123, 363-369	5.3	99
4 <sup>07</sup>	Distributed learning: Developing a predictive model based on data from multiple hospitals without data leaving the hospital - A real life proof of concept. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 459-467	5.3	99
4 <sup>06</sup>	Plasma citrulline concentration: a surrogate end point for radiation-induced mucosal atrophy of the small bowel. A feasibility study in 23 patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2004</b> , 60, 275-85	4	98
4 <sup>05</sup>	Optimal gating compared to 3D and 4D PET reconstruction for characterization of lung tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2011</b> , 38, 843-55	8.8	96
4 <sup>04</sup>	Omission of elective node irradiation on basis of CT-scans in patients with limited disease small cell lung cancer: a phase II trial. <i>Radiotherapy and Oncology</i> , <b>2006</b> , 80, 307-12	5.3	94
4 <sup>03</sup>	Lysine 63-polyubiquitination guards against translesion synthesis-induced mutations. <i>PLoS Genetics</i> , <b>2006</b> , 2, e116	6	93

402	Prognostic Significance of Carbonic Anhydrase IX Expression in Cancer Patients: A Meta-Analysis. <i>Frontiers in Oncology</i> , <b>2016</b> , 6, 69	5.3	93
401	Response assessment using 18F-FDG PET early in the course of radiotherapy correlates with survival in advanced-stage non-small cell lung cancer. <i>Journal of Nuclear Medicine</i> , <b>2012</b> , 53, 1514-20	8.9	91
400	Identification of residual metabolic-active areas within NSCLC tumours using a pre-radiotherapy FDG-PET-CT scan: a prospective validation. <i>Lung Cancer</i> , <b>2012</b> , 75, 73-6	5.9	89
399	Tumor volume combined with number of positive lymph node stations is a more important prognostic factor than TNM stage for survival of non-small-cell lung cancer patients treated with (chemo)radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2008</b> , 70, 1039-44	4	89
398	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. <i>Radiotherapy and Oncology</i> , <b>2005</b> , 76, 177-86	5.3	89
397	Intra-patient variability of tumor volume and tumor motion during conventionally fractionated radiotherapy for locally advanced non-small-cell lung cancer: a prospective clinical study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2006</b> , 66, 748-53	4	88
396	PET imaging of hypoxia using [18F]HX4: a phase I trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2010</b> , 37, 1663-8	8.8	87
395	Early improvements in vision after fractionated stereotactic radiotherapy for primary optic nerve sheath meningioma. <i>Radiotherapy and Oncology</i> , <b>2004</b> , 72, 169-74	5.3	87
394	Time trends in the maximal uptake of FDG on PET scan during thoracic radiotherapy. A prospective study in locally advanced non-small cell lung cancer (NSCLC) patients. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 82, 145-52	5.3	85
393	Test-Retest Data for Radiomics Feature Stability Analysis: Generalizable or Study-Specific?. <i>Tomography</i> , <b>2016</b> , 2, 361-365	3.1	85
392	Is there a causal relationship between genetic changes and radiomics-based image features? An in vivo preclinical experiment with doxycycline inducible GADD34 tumor cells. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 116, 462-6	5.3	84
391	Specific targeting of cytosine deaminase to solid tumors by engineered <i>Clostridium acetobutylicum</i> . <i>Cancer Gene Therapy</i> , <b>2001</b> , 8, 294-7	5.4	84
390	Routine individualised patient dosimetry using electronic portal imaging devices. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 65-75	5.3	83
389	Modulation of cell death in the tumor microenvironment. <i>Seminars in Radiation Oncology</i> , <b>2003</b> , 13, 31-41.5	5.5	83
388	Synthesis and biological evaluation of a 99mTc-labelled sulfonamide conjugate for in vivo visualization of carbonic anhydrase IX expression in tumor hypoxia. <i>Nuclear Medicine and Biology</i> , <b>2010</b> , 37, 557-64	2.1	81
387	Decision support systems for personalized and participative radiation oncology. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 109, 131-153	18.5	79
386	Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 689-721	5.6	79
385	The Quest for Evidence for Proton Therapy: Model-Based Approach and Precision Medicine. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 95, 30-36	4	79

384	Is high-dose stereotactic body radiotherapy (SBRT) for stage I non-small cell lung cancer (NSCLC) overkill? A systematic review. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 105, 145-9	5.3	79
383	Development and external validation of a predictive model for pathological complete response of rectal cancer patients including sequential PET-CT imaging. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 98, 126-33 <sup>5.3</sup>	5.3	79
382	Biomarkers for radiation-induced small bowel epithelial damage: an emerging role for plasma Citrulline. <i>World Journal of Gastroenterology</i> , <b>2007</b> , 13, 3033-42	5.6	78
381	NIMG-65. PREDICTING PROGNOSIS AND CANCER HOTSPOT MUTATIONS USING QUALITATIVE MR IMAGING ANALYSIS IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2019</b> , 21, vi176-vi176	1	78
380	TH-302 in Combination with Radiotherapy Enhances the Therapeutic Outcome and Is Associated with Pretreatment [ <sup>18</sup> F]HX4 Hypoxia PET Imaging. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 2984-92	12.9	77
379	The next step in patient-specific QA: 3D dose verification of conformal and intensity-modulated RT based on EPID dosimetry and Monte Carlo dose calculations. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 86, 86-92 <sup>5.3</sup>	5.3	77
378	In vivo antitumor effect of vascular targeting combined with either ionizing radiation or anti-angiogenesis treatment. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 49, 443-50 <sup>4</sup>	4	75
377	Targeting carbonic anhydrase IX by nitroimidazole based sulfamides enhances the therapeutic effect of tumor irradiation: a new concept of dual targeting drugs. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 108, 523-8	5.3	74
376	Adaptive and innovative Radiation Treatment FOR improving Cancer treatment outcome (ARTFORCE); a randomized controlled phase II trial for individualized treatment of head and neck cancer. <i>BMC Cancer</i> , <b>2013</b> , 13, 84	4.8	74
375	Infrastructure and distributed learning methodology for privacy-preserving multi-centric rapid learning health care: euroCAT. <i>Clinical and Translational Radiation Oncology</i> , <b>2017</b> , 4, 24-31	4.6	74
374	The importance of patient characteristics for the prediction of radiation-induced lung toxicity. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 91, 421-6	5.3	74
373	Dose-response relationships within the parotid gland after radiotherapy for head and neck cancer. <i>Radiotherapy and Oncology</i> , <b>2004</b> , 73, 297-306	5.3	74
372	Results and adverse events of personalized peptide receptor radionuclide therapy with Yttrium and Lutetium in 1048 patients with neuroendocrine neoplasms. <i>Oncotarget</i> , <b>2018</b> , 9, 16932-16950	3.3	74
371	Hypoxia imaging with [ <sup>18</sup> F]HX4 PET in NSCLC patients: defining optimal imaging parameters. <i>Radiotherapy and Oncology</i> , <b>2013</b> , 109, 58-64	5.3	73
370	Results of a multicentric in silico clinical trial (ROCOCO): comparing radiotherapy with photons and protons for non-small cell lung cancer. <i>Journal of Thoracic Oncology</i> , <b>2012</b> , 7, 165-76	8.9	73
369	A semiautomatic CT-based ensemble segmentation of lung tumors: comparison with oncologists' delineations and with the surgical specimen. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 105, 167-73	5.3	73
368	The impact of late treatment-toxicity on generic health-related quality of life in head and neck cancer patients after radiotherapy. <i>Oral Oncology</i> , <b>2011</b> , 47, 768-74	4.4	73
367	Development and external validation of prognostic model for 2-year survival of non-small-cell lung cancer patients treated with chemoradiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 74, 355-62	4	70

366	Development and validation of a radiomic signature to predict HPV (p16) status from standard CT imaging: a multicenter study. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170498	3.4	69
365	Patient satisfaction with nurse-led telephone follow-up after curative treatment for breast cancer. <i>BMC Cancer</i> , <b>2010</b> , 10, 174	4.8	69
364	Stability of 18F-deoxyglucose uptake locations within tumor during radiotherapy for NSCLC: a prospective study. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2008</b> , 71, 1402-7	4	69
363	Tumoural perfusion as measured by dynamic computed tomography in head and neck carcinoma. <i>Radiotherapy and Oncology</i> , <b>1999</b> , 53, 105-11	5.3	69
362	Radiotherapy combined with the immunocytokine L19-IL2 provides long-lasting antitumor effects. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 1151-60	12.9	68
361	Hypoxia-targeting carbonic anhydrase IX inhibitors by a new series of nitroimidazole-sulfonamides/sulfamides/sulfamates. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 8512-20	8.3	68
360	Systematic review and meta-analysis of radiotherapy in various head and neck cancers: comparing photons, carbon-ions and protons. <i>Cancer Treatment Reviews</i> , <b>2011</b> , 37, 185-201	14.4	68
359	Targeting hypoxia tolerance in cancer. <i>Drug Resistance Updates</i> , <b>2004</b> , 7, 25-40	23.2	68
358	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. <i>Radiologia Medica</i> , <b>2018</b> , 123, 286-295	6.5	68
357	Accurate prediction of pathological rectal tumor response after two weeks of preoperative radiochemotherapy using (18)F-fluorodeoxyglucose-positron emission tomography-computed tomography imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2010</b> , 77, 392-9	4	67
356	In vivo quantification of hypoxic and metabolic status of NSCLC tumors using [18F]HX4 and [18F]FDG-PET/CT imaging. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 6389-97	12.9	66
355	18FDG-PET based radiation planning of mediastinal lymph nodes in limited disease small cell lung cancer changes radiotherapy fields: a planning study. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 87, 49-54	5.3	66
354	Development of a flexible and potent hypoxia-inducible promoter for tumor-targeted gene expression in attenuated Salmonella. <i>Cancer Biology and Therapy</i> , <b>2006</b> , 5, 1120-8	4.6	66
353	Evaluation of carbonic anhydrase IX as a therapeutic target for inhibition of breast cancer invasion and metastasis using a series of in vitro breast cancer models. <i>Oncotarget</i> , <b>2015</b> , 6, 24856-70	3.3	65
352	Does sucralfate reduce the acute side-effects in head and neck cancer treated with radiotherapy? A double-blind randomized trial. <i>Radiotherapy and Oncology</i> , <b>1998</b> , 47, 149-53	5.3	65
351	Post-radiochemotherapy PET radiomics in head and neck cancer - The influence of radiomics implementation on the reproducibility of local control tumor models. <i>Radiotherapy and Oncology</i> , <b>2017</b> , 125, 385-391	5.3	64
350	3D in vivo dosimetry using megavoltage cone-beam CT and EPID dosimetry. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 73, 1580-7	4	64
349	A Validated Prediction Model for Overall Survival From Stage III Non-Small Cell Lung Cancer: Toward Survival Prediction for Individual Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2015</b> , 92, 935-44	4	63



348	The ESTRO Breur Lecture 2009. From population to voxel-based radiotherapy: exploiting intra-tumour and intra-organ heterogeneity for advanced treatment of non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 96, 145-52	5.3	63
347	Correlation of intra-tumour heterogeneity on 18F-FDG PET with pathologic features in non-small cell lung cancer: a feasibility study. <i>Radiotherapy and Oncology</i> , <b>2008</b> , 87, 55-8	5.3	63
346	Creating a data exchange strategy for radiotherapy research: towards federated databases and anonymised public datasets. <i>Radiotherapy and Oncology</i> , <b>2014</b> , 113, 303-9	5.3	62
345	Development, external validation and clinical usefulness of a practical prediction model for radiation-induced dysphagia in lung cancer patients. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 97, 455-61	5.3	62
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5-4

5 Biomarkers for Hypoxia, HPVness, and Proliferation from Imaging Perspective **2021**, 13-20

4 Computed tomography-derived radiomic signature of head and neck squamous cell carcinoma (peri)tumoral tissue for the prediction of locoregional recurrence and distant metastasis after concurrent chemo-radiotherapy **2020**, 15, e0232639

3 Computed tomography-derived radiomic signature of head and neck squamous cell carcinoma (peri)tumoral tissue for the prediction of locoregional recurrence and distant metastasis after concurrent chemo-radiotherapy **2020**, 15, e0232639

2 Computed tomography-derived radiomic signature of head and neck squamous cell carcinoma (peri)tumoral tissue for the prediction of locoregional recurrence and distant metastasis after concurrent chemo-radiotherapy **2020**, 15, e0232639

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