

Philippe Lambin

List of Publications by Year in descending order

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495
papers

46,459
citations

2795

94
h-index

2736

192
g-index

512
all docs

512
docs citations

512
times ranked

34839
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomics: Extracting more information from medical images using advanced feature analysis. <i>European Journal of Cancer</i> , 2012, 48, 441-446.	1.3	3,846
2	Decoding tumour phenotype by noninvasive imaging using a quantitative radiomics approach. <i>Nature Communications</i> , 2014, 5, 4006.	5.8	3,355
3	Radiomics: the bridge between medical imaging and personalized medicine. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 749-762.	12.5	3,216
4	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	3.6	1,869
5	Radiomics: the process and the challenges. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1234-1248.	1.0	1,675
6	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 169-186.	12.5	792
7	Machine Learning methods for Quantitative Radiomic Biomarkers. <i>Scientific Reports</i> , 2015, 5, 13087.	1.6	744
8	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> , 2010, 120, 127-141.	3.9	675
9	CT-based radiomic signature predicts distant metastasis in lung adenocarcinoma. <i>Radiotherapy and Oncology</i> , 2015, 114, 345-350.	0.3	576
10	Robust Radiomics Feature Quantification Using Semiautomatic Volumetric Segmentation. <i>PLoS ONE</i> , 2014, 9, e102107.	1.1	488
11	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> , 2011, 29, 3163-3172.	0.8	439
12	Selection of patients for radiotherapy with protons aiming at reduction of side effects: The model-based approach. <i>Radiotherapy and Oncology</i> , 2013, 107, 267-273.	0.3	408
13	A literature review of electronic portal imaging for radiotherapy dosimetry. <i>Radiotherapy and Oncology</i> , 2008, 88, 289-309.	0.3	384
14	Radiomic feature clusters and Prognostic Signatures specific for Lung and Head & Neck cancer. <i>Scientific Reports</i> , 2015, 5, 11044.	1.6	384
15	Stability of FDG-PET Radiomics features: An integrated analysis of test-retest and inter-observer variability. <i>Acta Oncologica</i> , 2013, 52, 1391-1397.	0.8	353
16	Identification of residual metabolic-active areas within individual NSCLC tumours using a pre-radiotherapy 18Fluorodeoxyglucose-PET-CT scan. <i>Radiotherapy and Oncology</i> , 2009, 91, 386-392.	0.3	340
17	Predicting outcomes in radiation oncology – multifactorial decision support systems. <i>Nature Reviews Clinical Oncology</i> , 2013, 10, 27-40.	12.5	329
18	Gene expression during acute and prolonged hypoxia is regulated by distinct mechanisms of translational control. <i>EMBO Journal</i> , 2006, 25, 1114-1125.	3.5	328

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19	The effect of SUV discretization in quantitative FDG-PET Radiomics: the need for standardized methodology in tumor texture analysis. <i>Scientific Reports</i> , 2015, 5, 11075.	1.6	318
20	Radiomic Machine-Learning Classifiers for Prognostic Biomarkers of Head and Neck Cancer. <i>Frontiers in Oncology</i> , 2015, 5, 272.	1.3	318
21	Exploratory Study to Identify Radiomics Classifiers for Lung Cancer Histology. <i>Frontiers in Oncology</i> , 2016, 6, 71.	1.3	306
22	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> , 2006, 24, 1057-1063.	0.8	301
23	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> , 2010, 95, 32-40.	0.3	295
24	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> , 2007, 68, 771-778.	0.4	274
25	Quantitative radiomics studies for tissue characterization: a review of technology and methodological procedures. <i>British Journal of Radiology</i> , 2017, 90, 20160665.	1.0	270
26	Defining the biological basis of radiomic phenotypes in lung cancer. <i>ELife</i> , 2017, 6, .	2.8	258
27	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> , 2012, 7, 1547-1555.	0.5	251
28	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. <i>Medical Physics</i> , 2018, 45, 3449-3459.	1.6	214
29	E-Cadherin loss associated with EMT promotes radioresistance in human tumor cells. <i>Radiotherapy and Oncology</i> , 2011, 99, 392-397.	0.3	210
30	Quantitative Computed Tomographic Descriptors Associate Tumor Shape Complexity and Intratumor Heterogeneity with Prognosis in Lung Adenocarcinoma. <i>PLoS ONE</i> , 2015, 10, e0118261.	1.1	207
31	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> , 2005, 62, 988-994.	0.4	202
32	External validation of a prognostic CT-based radiomic signature in oropharyngeal squamous cell carcinoma. <i>Acta Oncologica</i> , 2015, 54, 1423-1429.	0.8	195
33	PERK/eIF2 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> , 2013, 110, 4622-4627.	3.3	193
34	The maximum uptake of 18F-deoxyglucose on positron emission tomography scan correlates with survival, hypoxia inducible factor-1 and GLUT-1 in non-small cell lung cancer. <i>European Journal of Cancer</i> , 2007, 43, 1392-1398.	1.3	188
35	Imaging of CA IX with fluorescent labelled sulfonamides distinguishes hypoxic and (re)-oxygenated cells in a xenograft tumour model. <i>Radiotherapy and Oncology</i> , 2009, 92, 423-428.	0.3	185
36	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> , 2017, 56, 1544-1553.	0.8	183

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37	Disparity Between In Vivo EGFR Expression and ⁸⁹ Zr-Labeled Cetuximab Uptake Assessed with PET. <i>Journal of Nuclear Medicine</i> , 2009, 50, 123-131.	2.8	180
38	Targeting Hypoxia to Improve Non-Small Cell Lung Cancer Outcome. <i>Journal of the National Cancer Institute</i> , 2018, 110, 14-30.	3.0	177
39	"Rapid Learning health care in oncology" An approach towards decision support systems enabling customised radiotherapy. <i>Radiotherapy and Oncology</i> , 2013, 109, 159-164.	0.3	175
40	Tracking tumor biology with radiomics: A systematic review utilizing a radiomics quality score. <i>Radiotherapy and Oncology</i> , 2018, 127, 349-360.	0.3	175
41	Development of a Clinical Decision Support System for Severity Risk Prediction and Triage of COVID-19 Patients at Hospital Admission: an International Multicenter Study. <i>European Respiratory Journal</i> , 2020, 56, 2001104.	3.1	172
42	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> , 2003, 57, 1351-1356.	0.4	169
43	Volumetric CT-based segmentation of NSCLC using 3D-Slicer. <i>Scientific Reports</i> , 2013, 3, 3529.	1.6	168
44	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> , 2009, 24, 1-39.	2.5	167
45	Selective Nodal Irradiation on Basis of 18FDG-PET Scans in Limited-Disease Small-Cell Lung Cancer: A Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 329-336.	0.4	166
46	How costly is particle therapy? Cost analysis of external beam radiotherapy with carbon-ions, protons and photons. <i>Radiotherapy and Oncology</i> , 2010, 95, 45-53.	0.3	166
47	Oxygenation of head and neck tumors. <i>Cancer</i> , 1993, 71, 2319-2325.	2.0	164
48	Radiomics: from qualitative to quantitative imaging. <i>British Journal of Radiology</i> , 2020, 93, 20190948.	1.0	164
49	Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. <i>Radiotherapy and Oncology</i> , 2007, 83, 367-373.	0.3	157
50	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> , 2010, 28, 1380-1386.	0.8	156
51	Specific inhibition of carbonic anhydrase IX activity enhances the in vivo therapeutic effect of tumor irradiation. <i>Radiotherapy and Oncology</i> , 2011, 99, 424-431.	0.3	156
52	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.	0.4	154
53	The current status of FDG-PET in tumour volume definition in radiotherapy treatment planning. <i>Cancer Treatment Reviews</i> , 2006, 32, 245-260.	3.4	153
54	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> , 2005, 61, 649-655.	0.4	151

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55	Monitoring myeloablative therapy-induced small bowel toxicity by serum citrulline concentration. <i>Cancer</i> , 2005, 103, 191-199.	2.0	145
56	A Comparative Study of the Hypoxia PET Tracers [18F]HX4, [18F]FAZA, and [18F]FMISO in a Preclinical Tumor Model. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 351-359.	0.4	139
57	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> , 2016, 121, 459-467.	0.3	139
58	Automated delineation of lung tumors from CT images using a single click ensemble segmentation approach. <i>Pattern Recognition</i> , 2013, 46, 692-702.	5.1	138
59	Functional MRI for radiotherapy dose painting. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1216-1223.	1.0	136
60	Survival prediction of non-small cell lung cancer patients using radiomics analyses of cone-beam CT images. <i>Radiotherapy and Oncology</i> , 2017, 123, 363-369.	0.3	136
61	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> , 2005, 77, 5-10.	0.3	135
62	Test–Retest Data for Radiomics Feature Stability Analysis: Generalizable or Study-Specific?. <i>Tomography</i> , 2016, 2, 361-365.	0.8	135
63	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> , 2007, 33, 461-473.	3.4	133
64	Transparency of deep neural networks for medical image analysis: A review of interpretability methods. <i>Computers in Biology and Medicine</i> , 2022, 140, 105111.	3.9	131
65	Autophagy is required during cycling hypoxia to lower production of reactive oxygen species. <i>Radiotherapy and Oncology</i> , 2009, 92, 411-416.	0.3	130
66	Prognostic Significance of Carbonic Anhydrase IX Expression in Cancer Patients: A Meta-Analysis. <i>Frontiers in Oncology</i> , 2016, 6, 69.	1.3	129
67	Dynamic contrast-enhanced magnetic resonance imaging of radiation therapy-induced microcirculation changes in rectal cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 1309-1315.	0.4	128
68	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> , 2011, 52, 1690-1697.	2.8	126
69	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> , 2006, 80, 307-312.	0.3	123
70	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> , 2011, 108, 14620-14625.	3.3	121
71	Citrulline: A physiologic marker enabling quantitation and monitoring of epithelial radiation-induced small bowel damage. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 57, 1067-1074.	0.4	120
72	Preservation of parotid function with uncomplicated conformal radiotherapy. <i>Radiotherapy and Oncology</i> , 2002, 63, 203-211.	0.3	115

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73	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> , 2004, 60, 275-285.	0.4	113
74	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> , 2013, 13, 84.	1.1	113
75	Decision support systems for personalized and participative radiation oncology. <i>Advanced Drug Delivery Reviews</i> , 2017, 109, 131-153.	6.6	113
76	Lysine 63-Polyubiquitination Guards against Translesion Synthesis-Induced Mutations. <i>PLoS Genetics</i> , 2006, 2, e116.	1.5	109
77	Optimal gating compared to 3D and 4D PET reconstruction for characterization of lung tumours. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 843-855.	3.3	109
78	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> , 2018, 91, 20170498.	1.0	109
79	Results and adverse events of personalized peptide receptor radionuclide therapy with ⁹⁰ Yttrium and ¹⁷⁷ Lutetium in 1048 patients with neuroendocrine neoplasms. <i>Oncotarget</i> , 2018, 9, 16932-16950.	0.8	109
80	Early improvements in vision after fractionated stereotactic radiotherapy for primary optic nerve sheath meningioma. <i>Radiotherapy and Oncology</i> , 2004, 72, 169-174.	0.3	106
81	Response Assessment Using ¹⁸ F-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> , 2012, 53, 1514-1520.	2.8	106
82	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> , 2015, 116, 462-466.	0.3	106
83	The hypoxic proteome is influenced by gene-specific changes in mRNA translation. <i>Radiotherapy and Oncology</i> , 2005, 76, 177-186.	0.3	105
84	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> , 2006, 66, 748-753.	0.4	105
85	The Quest for Evidence for Proton Therapy: Model-Based Approach and Precision Medicine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 30-36.	0.4	105
86	A review in radiomics: Making personalized medicine a reality via routine imaging. <i>Medicinal Research Reviews</i> , 2022, 42, 426-440.	5.0	103
87	Developing and Validating a Survival Prediction Model for NSCLC Patients Through Distributed Learning Across 3 Countries. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 344-352.	0.4	102
88	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> , 2007, 82, 145-152.	0.3	101
89	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> , 2008, 70, 1039-1044.	0.4	101
90	PET imaging of hypoxia using [¹⁸ F]HX4: a phase I trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1663-1668.	3.3	100

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91	A semiautomatic CT-based ensemble segmentation of lung tumors: Comparison with oncologists'™ delineations and with the surgical specimen. <i>Radiotherapy and Oncology</i> , 2012, 105, 167-173.	0.3	99
92	Combining radiotherapy with immunotherapy: the past, the present and the future. <i>British Journal of Radiology</i> , 2017, 90, 20170157.	1.0	99
93	Infrastructure and distributed learning methodology for privacy-preserving multi-centric rapid learning health care: euroCAT. <i>Clinical and Translational Radiation Oncology</i> , 2017, 4, 24-31.	0.9	98
94	Specific targeting of cytosine deaminase to solid tumors by engineered <i>Clostridium acetobutylicum</i> . <i>Cancer Gene Therapy</i> , 2001, 8, 294-297.	2.2	97
95	Identification of residual metabolic-active areas within NSCLC tumours using a pre-radiotherapy FDG-PET-CT scan: A prospective validation. <i>Lung Cancer</i> , 2012, 75, 73-76.	0.9	97
96	Distributed learning on 20 000+ lung cancer patients – The Personal Health Train. <i>Radiotherapy and Oncology</i> , 2020, 144, 189-200.	0.3	97
97	TH-302 in Combination with Radiotherapy Enhances the Therapeutic Outcome and Is Associated with Pretreatment [18F]HX4 Hypoxia PET Imaging. <i>Clinical Cancer Research</i> , 2015, 21, 2984-2992.	3.2	95
98	Biomarkers for radiation-induced small bowel epithelial damage: An emerging role for plasma Citrulline. <i>World Journal of Gastroenterology</i> , 2007, 13, 3033.	1.4	95
99	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> , 2011, 47, 768-774.	0.8	94
100	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> , 2015, 30, 689-721.	2.5	93
101	Stability of radiomics features in apparent diffusion coefficient maps from a multi-centre test-retest trial. <i>Scientific Reports</i> , 2019, 9, 4800.	1.6	93
102	Predictive and prognostic value of CT based radiomics signature in locally advanced head and neck cancers patients treated with concurrent chemoradiotherapy or bioradiotherapy and its added value to Human Papillomavirus status. <i>Oral Oncology</i> , 2017, 71, 150-155.	0.8	92
103	Modulation of cell death in the tumor microenvironment. <i>Seminars in Radiation Oncology</i> , 2003, 13, 31-41.	1.0	91
104	Routine individualised patient dosimetry using electronic portal imaging devices. <i>Radiotherapy and Oncology</i> , 2007, 83, 65-75.	0.3	91
105	Fractal-based radiomic approach to predict complete pathological response after chemo-radiotherapy in rectal cancer. <i>Radiologia Medica</i> , 2018, 123, 286-295.	4.7	91
106	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> , 2011, 98, 126-133.	0.3	89
107	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> , 2012, 7, 165-176.	0.5	89
108	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> , 2012, 105, 145-149.	0.3	89

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109	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> , 2017, 125, 385-391.	0.3	89
110	Chronic radiation proctitis: tricks to prevent and treat. <i>International Journal of Colorectal Disease</i> , 2015, 30, 1293-1303.	1.0	87
111	Systematic review and meta-analysis of radiotherapy in various head and neck cancers: Comparing photons, carbon-ions and protons. <i>Cancer Treatment Reviews</i> , 2011, 37, 185-201.	3.4	86
112	A Deep Look Into the Future of Quantitative Imaging in Oncology: A Statement of Working Principles and Proposal for Change. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1074-1082.	0.4	86
113	Hypoxia-activated prodrugs and (lack of) clinical progress: The need for hypoxia-based biomarker patient selection in phase III clinical trials. <i>Clinical and Translational Radiation Oncology</i> , 2019, 15, 62-69.	0.9	86
114	Dose–response relationships within the parotid gland after radiotherapy for head and neck cancer. <i>Radiotherapy and Oncology</i> , 2004, 73, 297-306.	0.3	85
115	The importance of patient characteristics for the prediction of radiation-induced lung toxicity. <i>Radiotherapy and Oncology</i> , 2009, 91, 421-426.	0.3	85
116	Decision Support Systems in Oncology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	85
117	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> , 2001, 49, 443-450.	0.4	83
118	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> , 2008, 86, 86-92.	0.3	83
119	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> , 2015, 92, 935-944.	0.4	83
120	MRI-guided Radiation Therapy: An Emerging Paradigm in Adaptive Radiation Oncology. <i>Radiology</i> , 2021, 298, 248-260.	3.6	83
121	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> , 2008, 87, 49-54.	0.3	82
122	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> , 2009, 74, 355-362.	0.4	82
123	Synthesis and biological evaluation of a ^{99m} Tc-labelled sulfonamide conjugate for in vivo visualization of carbonic anhydrase IX expression in tumor hypoxia. <i>Nuclear Medicine and Biology</i> , 2010, 37, 557-564.	0.3	82
124	Targeting hypoxia tolerance in cancer. <i>Drug Resistance Updates</i> , 2004, 7, 25-40.	6.5	81
125	Development of a flexible and potent hypoxia-inducible promoter for tumor-targeted gene expression in attenuated <i>Salmonella</i> . <i>Cancer Biology and Therapy</i> , 2006, 5, 1120-1128.	1.5	81
126	Stability of 18F-Deoxyglucose Uptake Locations Within Tumor During Radiotherapy for NSCLC: A Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1402-1407.	0.4	81

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127	Hypoxia imaging with [18F]HX4 PET in NSCLC patients: Defining optimal imaging parameters. <i>Radiotherapy and Oncology</i> , 2013, 109, 58-64.	0.3	81
128	<i>In Vivo</i> Quantification of Hypoxic and Metabolic Status of NSCLC Tumors Using [18F]HX4 and [18F]FDG-PET/CT Imaging. <i>Clinical Cancer Research</i> , 2014, 20, 6389-6397.	3.2	81
129	Magnetic Resonance, Vendor-independent, Intensity Histogram Analysis Predicting Pathologic Complete Response After Radiochemotherapy of Rectal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 765-774.	0.4	81
130	Deep learning in fracture detection: a narrative review. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 91, 215-220.	1.2	81
131	Impact of supervised gene signatures of early hypoxia on patient survival. <i>Radiotherapy and Oncology</i> , 2007, 83, 374-382.	0.3	80
132	Patient satisfaction with nurse-led telephone follow-up after curative treatment for breast cancer. <i>BMC Cancer</i> , 2010, 10, 174.	1.1	80
133	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> , 2013, 108, 523-528.	0.3	80
134	Creating a data exchange strategy for radiotherapy research: Towards federated databases and anonymised public datasets. <i>Radiotherapy and Oncology</i> , 2014, 113, 303-309.	0.3	79
135	Radiotherapy Combined with the Immunocytokine L19-IL2 Provides Long-lasting Antitumor Effects. <i>Clinical Cancer Research</i> , 2015, 21, 1151-1160.	3.2	79
136	Potential role for low dose limited-field radiation therapy (2 Å– 2 grays) in advanced low-grade non-Hodgkin's lymphomas. <i>Hematological Oncology</i> , 1994, 12, 1-8.	0.8	78
137	Improving the quality and efficiency of follow-up after curative treatment for breast cancer – rationale and study design of the MaCare trial. <i>BMC Cancer</i> , 2007, 7, 1.	1.1	78
138	Health-related quality of life in patients surviving non-small cell lung cancer. <i>Thorax</i> , 2010, 65, 903-907.	2.7	77
139	A prospective study comparing the predictions of doctors versus models for treatment outcome of lung cancer patients: A step toward individualized care and shared decision making. <i>Radiotherapy and Oncology</i> , 2014, 112, 37-43.	0.3	77
140	Accurate Prediction of Pathological Rectal Tumor Response after Two Weeks of Preoperative Radiochemotherapy Using 18F-Fluorodeoxyglucose-Positron Emission Tomography-Computed Tomography Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 392-399.	0.4	76
141	Hypoxia-Targeting Carbonic Anhydrase IX Inhibitors by a New Series of Nitroimidazole-Sulfonamides/Sulfamides/Sulfamates. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8512-8520.	2.9	76
142	Evaluation of carbonic anhydrase IX as a therapeutic target for inhibition of breast cancer invasion and metastasis using a series of <i>in vitro</i> breast cancer models. <i>Oncotarget</i> , 2015, 6, 24856-24870.	0.8	76
143	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> , 1998, 47, 149-153.	0.3	75
144	Tumoural perfusion as measured by dynamic computed tomography in head and neck carcinoma. <i>Radiotherapy and Oncology</i> , 1999, 53, 105-111.	0.3	75

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