

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	Use of an optimised enzyme/prodrug combination for Clostridia directed enzyme prodrug therapy induces a significant growth delay in necrotic tumours. <i>Cancer Gene Therapy</i> , 2022, 29, 178-188.	2.2	9
2	Development of a Management Algorithm for Acute and Chronic Radiation Urethritis and Cystitis. <i>Urologia Internationalis</i> , 2022, 106, 63-74.	0.6	8
3	A review in radiomics: Making personalized medicine a reality via routine imaging. <i>Medicinal Research Reviews</i> , 2022, 42, 426-440.	5.0	103
4	Hypoxia-activated prodrug derivatives of anti-cancer drugs: a patent review 2006 – 2021. <i>Expert Opinion on Therapeutic Patents</i> , 2022, 32, 1-12.	2.4	14
5	Quality of life among patients with 4 to 10 brain metastases after treatment with whole-brain radiotherapy vs. stereotactic radiotherapy: a phase III, randomized, Dutch multicenter trial. <i>Annals of Palliative Medicine</i> , 2022, 11, 1197-1209.	0.5	2
6	A fully automatic artificial intelligence–based CT image analysis system for accurate detection, diagnosis, and quantitative severity evaluation of pulmonary tuberculosis. <i>European Radiology</i> , 2022, 32, 2188-2199.	2.3	30
7	A non-invasive, automated diagnosis of MeniÃˆre’s disease using radiomics and machine learning on conventional magnetic resonance imaging: A multicentric, case-controlled feasibility study. <i>Radiologia Medica</i> , 2022, 127, 72-82.	4.7	19
8	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
9	Improving and Externally Validating Mortality Prediction Models for COVID-19 Using Publicly Available Data. <i>BioMed</i> , 2022, 2, 13-26.	0.6	3
10	Deep Learning–based Automatic Lung Segmentation on Multiresolution CT Scans from Healthy and Fibrotic Lungs in Mice. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210095.	3.0	6
11	Data harmonisation for information fusion in digital healthcare: A state-of-the-art systematic review, meta-analysis and future research directions. <i>Information Fusion</i> , 2022, 82, 99-122.	11.7	62
12	A Handcrafted Radiomics-Based Model for the Diagnosis of Usual Interstitial Pneumonia in Patients with Idiopathic Pulmonary Fibrosis. <i>Journal of Personalized Medicine</i> , 2022, 12, 373.	1.1	6
13	CT Reconstruction Kernels and the Effect of Pre- and Post-Processing on the Reproducibility of Handcrafted Radiomic Features. <i>Journal of Personalized Medicine</i> , 2022, 12, 553.	1.1	4
14	MaasPenn Radiomics Reproducibility Score: A Novel Quantitative Measure for Evaluating the Reproducibility of CT-Based Handcrafted Radiomic Features. <i>Cancers</i> , 2022, 14, 1599.	1.7	4
15	An externally validated fully automated deep learning algorithm to classify COVID-19 and other pneumonias on chest computed tomography. <i>ERJ Open Research</i> , 2022, 8, 00579-2021.	1.1	6
16	Beyond automatic medical image segmentation—the spectrum between fully manual and fully automatic delineation. <i>Physics in Medicine and Biology</i> , 2022, 67, 12TR01.	1.6	9
17	Automated detection and segmentation of non-small cell lung cancer computed tomography images. <i>Nature Communications</i> , 2022, 13, .	5.8	44
18	Application of artificial intelligence in nuclear medicine and molecular imaging: a review of current status and future perspectives for clinical translation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4452-4463.	3.3	29

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19	Chloroquine combined with concurrent radiotherapy and temozolomide for newly diagnosed glioblastoma: a phase IB trial. <i>Autophagy</i> , 2021, 17, 2604-2612.	4.3	59
20	The growing significance of smartphone apps in data-driven clinical decision-making: Challenges and pitfalls. , 2021, , 173-182.		0
21	Artificial intelligence in oncology. , 2021, , 361-381.		4
22	Toxicity of L19-Interleukin 2 Combined with Stereotactic Body Radiation Therapy: A Phase 1 Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1421-1430.	0.4	7
23	MRI-guided Radiation Therapy: An Emerging Paradigm in Adaptive Radiation Oncology. <i>Radiology</i> , 2021, 298, 248-260.	3.6	83
24	Lymph node response to chemoradiotherapy in oesophageal cancer patients: relationship with radiotherapy fields. <i>Esophagus</i> , 2021, 18, 100-110.	1.0	1
25	Cycle-Consistent Generative Adversarial Network: Effect on Radiation Dose Reduction and Image Quality Improvement in Ultralow-Dose CT for Evaluation of Pulmonary Tuberculosis. <i>Korean Journal of Radiology</i> , 2021, 22, 983.	1.5	9
26	Biomarkers for Hypoxia, HPVness, and Proliferation from Imaging Perspective. , 2021, , 13-20.		0
27	A Dutch phase III randomized multicenter trial: whole brain radiotherapy versus stereotactic radiotherapy for 4â€“10 brain metastases. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab021.	0.4	11
28	Radiomics: Transforming Standard Imaging into Mineable Data for Diagnostic and Theragnostic Applications. , 2021, , .		0
29	Prognostic and Predictive Value of Integrated Qualitative and Quantitative Magnetic Resonance Imaging Analysis in Glioblastoma. <i>Cancers</i> , 2021, 13, 722.	1.7	24
30	Deep learning for the fully automated segmentation of the inner ear on MRI. <i>Scientific Reports</i> , 2021, 11, 2885.	1.6	35
31	Charged Particle and Conventional Radiotherapy: Current Implications as Partner for Immunotherapy. <i>Cancers</i> , 2021, 13, 1468.	1.7	24
32	Abstract IA-07: Radiomics: Transforming standard imaging into mineable data for diagnostic and theragnostic applications. , 2021, , .		0
33	[18F]FDG PET radiomics to predict disease-free survival in cervical cancer: a multi-scanner/center study with external validation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3432-3443.	3.3	32
34	Releasing the brakes of tumor immunity with anti-PD-L1 and pushing its accelerator with L19â€™IL2 cures poorly immunogenic tumors when combined with radiotherapy. , 2021, 9, e001764.		23
35	Structural and functional radiomics for lung cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3961-3974.	3.3	48
36	Can predicting COVID-19 mortality in a European cohort using only demographic and comorbidity data surpass age-based prediction: An externally validated study. <i>PLoS ONE</i> , 2021, 16, e0249920.	1.1	16

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37	Prognostic Assessment in High-Grade Soft-Tissue Sarcoma Patients: A Comparison of Semantic Image Analysis and Radiomics. <i>Cancers</i> , 2021, 13, 1929.	1.7	25
38	Knowledge Graphs for COVID-19: An Exploratory Review of the Current Landscape. <i>Journal of Personalized Medicine</i> , 2021, 11, 300.	1.1	18
39	The Effects of In-Plane Spatial Resolution on CT-Based Radiomic Featuresâ€™ Stability with and without ComBat Harmonization. <i>Cancers</i> , 2021, 13, 1848.	1.7	31
40	Limitations of Only Reporting the Odds Ratio in the Age of Precision Medicine: A Deterministic Simulation Study. <i>Frontiers in Medicine</i> , 2021, 8, 640854.	1.2	5
41	Modeling-Based Decision Support System for Radical Prostatectomy Versus External Beam Radiotherapy for Prostate Cancer Incorporating an In Silico Clinical Trial and a Costâ€™Utility Study. <i>Cancers</i> , 2021, 13, 2687.	1.7	1
42	The application of a workflow integrating the variable reproducibility and harmonizability of radiomic features on a phantom dataset. <i>PLoS ONE</i> , 2021, 16, e0251147.	1.1	25
43	Facile fabrication of lightweight porous FDM-Printed polyethylene/graphene nanocomposites with enhanced interfacial strength for electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2021, 207, 108732.	3.8	49
44	MRI-Based Radiomics Analysis for the Pretreatment Prediction of Pathologic Complete Tumor Response to Neoadjuvant Systemic Therapy in Breast Cancer Patients: A Multicenter Study. <i>Cancers</i> , 2021, 13, 2447.	1.7	20
45	Development and External Validation of Deep-Learning-Based Tumor Grading Models in Soft-Tissue Sarcoma Patients Using MR Imaging. <i>Cancers</i> , 2021, 13, 2866.	1.7	24
46	A Prospectively Validated Prognostic Model for Patients with Locally Advanced Squamous Cell Carcinoma of the Head and Neck Based on Radiomics of Computed Tomography Images. <i>Cancers</i> , 2021, 13, 3271.	1.7	12
47	Radiomics in Lung Diseases Imaging: State-of-the-Art for Clinicians. <i>Journal of Personalized Medicine</i> , 2021, 11, 602.	1.1	40
48	Efficient Secretion of Murine IL-2 From an Attenuated Strain of <i>Clostridium sporogenes</i> , a Novel Delivery Vehicle for Cancer Immunotherapy. <i>Frontiers in Microbiology</i> , 2021, 12, 669488.	1.5	10
49	Development and external validation of a non-invasive molecular status predictor of chromosome 1p/19q co-deletion based on MRI radiomics analysis of Low Grade Glioma patients. <i>European Journal of Radiology</i> , 2021, 139, 109678.	1.2	17
50	Reply to Orhac, F.; Buvat, I. Comment on â€œAbraham et al. The Effects of In-Plane Spatial Resolution on CT-Based Radiomic Featuresâ€™ Stability with and without ComBat Harmonization. <i>Cancers</i> 2021, 13, 1848â€•. <i>Cancers</i> , 2021, 13, 3080.	1.7	7
51	An artificial intelligence framework integrating longitudinal electronic health records with real-world data enables continuous pan-cancer prognostication. <i>Nature Cancer</i> , 2021, 2, 709-722.	5.7	41
52	Deciphering the glioblastoma phenotype by computed tomography radiomics. <i>Radiotherapy and Oncology</i> , 2021, 160, 132-139.	0.3	9
53	Exploratory Radiomic Analysis of Conventional vs. Quantitative Brain MRI: Toward Automatic Diagnosis of Early Multiple Sclerosis. <i>Frontiers in Neuroscience</i> , 2021, 15, 679941.	1.4	7
54	Covid19Risk.ai: An Open Source Repository and Online Calculator of Prediction Models for Early Diagnosis and Prognosis of Covid-19. <i>BioMed</i> , 2021, 1, 41-49.	0.6	3

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55	Making Radiomics More Reproducible across Scanner and Imaging Protocol Variations: A Review of Harmonization Methods. <i>Journal of Personalized Medicine</i> , 2021, 11, 842.	1.1	72
56	Privacy preserving distributed learning classifiers – Sequential learning with small sets of data. <i>Computers in Biology and Medicine</i> , 2021, 136, 104716.	3.9	12
57	Reproducibility of CT-Based Hepatocellular Carcinoma Radiomic Features across Different Contrast Imaging Phases: A Proof of Concept on SORAMIC Trial Data. <i>Cancers</i> , 2021, 13, 4638.	1.7	8
58	MRI-based delta-radiomics predicts pathologic complete response in high-grade soft-tissue sarcoma patients treated with neoadjuvant therapy. <i>Radiotherapy and Oncology</i> , 2021, 164, 73-82.	0.3	35
59	Development and Validation of an Automated Radiomic CT Signature for Detecting COVID-19. <i>Diagnostics</i> , 2021, 11, 41.	1.3	31
60	Selectively Targeting Tumor Hypoxia With the Hypoxia-Activated Prodrug CP-506. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2372-2383.	1.9	17
61	Machine learning for grading and prognosis of esophageal dysplasia using mass spectrometry and histological imaging. <i>Computers in Biology and Medicine</i> , 2021, 138, 104918.	3.9	12
62	Design, synthesis, <i>in vitro</i> inhibition and toxicological evaluation of human carbonic anhydrases I, II and IX inhibitors in 5-nitroimidazole series. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 109-117.	2.5	20
63	Distributed learning on 20 000+ lung cancer patients – The Personal Health Train. <i>Radiotherapy and Oncology</i> , 2020, 144, 189-200.	0.3	97
64	Nitroglycerin as a radiosensitizer in non-small cell lung cancer: Results of a prospective imaging-based phase II trial. <i>Clinical and Translational Radiation Oncology</i> , 2020, 21, 49-55.	0.9	11
65	Implementing Systems Modelling and Molecular Imaging to Predict the Efficacy of BCL-2 Inhibition in Colorectal Cancer Patient-Derived Xenograft Models. <i>Cancers</i> , 2020, 12, 2978.	1.7	8
66	Combining hypoxia-activated prodrugs and radiotherapy in silico: Impact of treatment scheduling and the intra-tumoural oxygen landscape. <i>PLoS Computational Biology</i> , 2020, 16, e1008041.	1.5	13
67	Reply to – COVID-19 prediction models should adhere to methodological and reporting standards. <i>European Respiratory Journal</i> , 2020, 56, 2002918.	3.1	1
68	The – of hydrops in classifying vestibular disorders: a narrative review. <i>Journal of Neurology</i> , 2020, 267, 197-211.	1.8	21
69	A novel co-culture assay to assess anti-tumor CD8+ T cell cytotoxicity via luminescence and multicolor flow cytometry. <i>Journal of Immunological Methods</i> , 2020, 487, 112899.	0.6	23
70	Blockchain for Privacy Preserving and Trustworthy Distributed Machine Learning in Multicentric Medical Imaging (C-DistriM). <i>IEEE Access</i> , 2020, 8, 183939-183951.	2.6	44
71	Diagnosis of Invasive Lung Adenocarcinoma Based on Chest CT Radiomic Features of Part-Solid Pulmonary Nodules: A Multicenter Study. <i>Radiology</i> , 2020, 297, 451-458.	3.6	64
72	<i>E. coli</i> nitroreductase NfsA is a reporter gene for non-invasive PET imaging in cancer gene therapy applications. <i>Theranostics</i> , 2020, 10, 10548-10562.	4.6	15

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73	El papel emergente de la radi�mica en la EPOC y el c�ncer de pulm�n. Karger Kompass Neumolog�a, 2020, , 46-53.	0.0	0
74	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.	0.3	19
75	Radiomics based on baseline DCE-MRI is predictive of tumor pathological complete response to neoadjuvant systemic therapy in breast cancer patients. European Journal of Surgical Oncology, 2020, 46, e23.	0.5	0
76	[18F]-HX4 PET/CT hypoxia in patients with squamous cell carcinoma of the head and neck treated with chemoradiotherapy: Prognostic results from two prospective trials. Clinical and Translational Radiation Oncology, 2020, 23, 9-15.	0.9	12
77	Hypoxia-Activated Prodrug Derivatives of Carbonic Anhydrase Inhibitors in Benzenesulfonamide Series: Synthesis and Biological Evaluation. Molecules, 2020, 25, 2347.	1.7	8
78	Human fibronectin extra domain B as a biomarker for targeted therapy in cancer. Molecular Oncology, 2020, 14, 1555-1568.	2.1	29
79	Lymphocyte-Sparing Radiotherapy: The Rationale for Protecting Lymphocyte-rich Organs When Combining Radiotherapy With Immunotherapy. Seminars in Radiation Oncology, 2020, 30, 187-193.	1.0	57
80	Hypoxia PET Imaging with [18F]-HX4�A Promising Next-Generation Tracer. Cancers, 2020, 12, 1322.	1.7	35
81	Stereotactic ablative body radiotherapy (SABR) combined with immunotherapy (L19-IL2) versus standard of care in stage IV NSCLC patients, ImmunoSABR: a multicentre, randomised controlled open-label phase II trial. BMC Cancer, 2020, 20, 557.	1.1	29
82	Mitochondrial Dysfunction Inhibits Hypoxia-Induced HIF-1� Stabilization and Expression of Its Downstream Targets. Frontiers in Oncology, 2020, 10, 770.	1.3	16
83	Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. Scientific Reports, 2020, 10, 4542.	1.6	46
84	Fitter Mitochondria Are Associated With Radioresistance in Human Head and Neck SQD9 Cancer Cells. Frontiers in Pharmacology, 2020, 11, 263.	1.6	19
85	Systematic Review of Privacy-Preserving Distributed Machine Learning From Federated Databases in Health Care. JCO Clinical Cancer Informatics, 2020, 4, 184-200.	1.0	72
86	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	3.6	1,869
87	Development of a Clinical Decision Support System for Severity Risk Prediction and Triage of COVID-19 Patients at Hospital Admission: an International Multicenter Study. European Respiratory Journal, 2020, 56, 2001104.	3.1	172
88	Radiomics: from qualitative to quantitative imaging. British Journal of Radiology, 2020, 93, 20190948.	1.0	164
89	Deep learning in fracture detection: a narrative review. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 91, 215-220.	1.2	81
90	The Emerging Role of Radiomics in COPD and Lung Cancer. Respiration, 2020, 99, 99-107.	1.2	33

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91	Preoperative CT-based radiomics combined with intraoperative frozen section is predictive of invasive adenocarcinoma in pulmonary nodules: a multicenter study. <i>European Radiology</i> , 2020, 30, 2680-2691.	2.3	24
92	Late Breaking Abstract - Development and validation of an automated radiomic CT signature for detecting COVID-19. , 2020, , .		1
93	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. <i>PLoS ONE</i> , 2020, 15, e0232639.	1.1	35
94	EXTH-30. EXPANDING THE UTILITY OF PRE-CLINICAL CONTRAST ENHANCED CT (CE-CT) FOR TUMOR DETECTION IN ORTHOTOPIC GBM MODELS USING RADIOMICS. <i>Neuro-Oncology</i> , 2020, 22, ii93-ii93.	0.6	0
95	Title is missing!. , 2020, 15, e0232639.		0
96	Title is missing!. , 2020, 15, e0232639.		0
97	Title is missing!. , 2020, 15, e0232639.		0
98	Title is missing!. , 2020, 15, e0232639.		0
99	Computed Tomography-based Radiomics for Risk Stratification in Prostate Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 448-456.	0.4	41
100	Evofosfamide sensitizes esophageal carcinomas to radiation without increasing normal tissue toxicity. <i>Radiotherapy and Oncology</i> , 2019, 141, 247-255.	0.3	19
101	Development and validation of a patient decision aid for prostate Cancer therapy: from paternalistic towards participative shared decision making. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 130.	1.5	26
102	SP-0687 Combining Radiotherapy with Immunotherapy: focus on immunocytokines. <i>Radiotherapy and Oncology</i> , 2019, 133, S358-S359.	0.3	0
103	OC-0407 CT-based Radiomics for Risk Stratification in Prostate Cancer. <i>Radiotherapy and Oncology</i> , 2019, 133, S209.	0.3	0
104	PO-0855 Development and Validation of a Prostate Cancer Patient Decision Aid: Towards Participative Medicine. <i>Radiotherapy and Oncology</i> , 2019, 133, S450-S451.	0.3	0
105	Improving decision making in larynx cancer by developing a decision aid: A mixed methods approach. <i>Laryngoscope</i> , 2019, 129, 2733-2739.	1.1	21
106	Ano-rectal wall dose-surface maps localize the dosimetric benefit of hydrogel rectum spacers in prostate cancer radiotherapy. <i>Clinical and Translational Radiation Oncology</i> , 2019, 14, 17-24.	0.9	11
107	Radiomics Analysis for Clinical Decision Support in Nuclear Medicine. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 438-449.	2.5	38
108	Challenges and caveats of a multi-center retrospective radiomics study: an example of early treatment response assessment for NSCLC patients using FDG-PET/CT radiomics. <i>PLoS ONE</i> , 2019, 14, e0217536.	1.1	38

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109	Addressing the dichotomy between individual and societal approaches to personalised medicine in oncology. <i>European Journal of Cancer</i> , 2019, 114, 128-136.	1.3	8
110	Longitudinal radiomics of cone-beam CT images from non-small cell lung cancer patients: Evaluation of the added prognostic value for overall survival and locoregional recurrence. <i>Radiotherapy and Oncology</i> , 2019, 136, 78-85.	0.3	48
111	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
112	Decision Support Systems in Oncology. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9.	1.0	85
113	Impact of SBRT fractionation in hypoxia dose painting – Accounting for heterogeneous and dynamic tumor oxygenation. <i>Medical Physics</i> , 2019, 46, 2512-2521.	1.6	17
114	Characterizing geometrical accuracy in clinically optimised 7T and 3T magnetic resonance images for high-precision radiation treatment of brain tumours. <i>Physics and Imaging in Radiation Oncology</i> , 2019, 9, 35-42.	1.2	17
115	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
116	NIMG-65. PREDICTING PROGNOSIS AND CANCER HOTSPOT MUTATIONS USING QUALITATIVE MR IMAGING ANALYSIS IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019, 21, vi176-vi176.	0.6	0
117	Performing clinical 18F-FDG-PET/MRI of the mediastinum optimising a dedicated, patient-friendly protocol. <i>Nuclear Medicine Communications</i> , 2019, 40, 815-826.	0.5	3
118	Genetic Variants Predict Optimal Timing of Radiotherapy to Reduce Side-effects in Breast Cancer Patients. <i>Clinical Oncology</i> , 2019, 31, 9-16.	0.6	30
119	Intensity-modulated proton therapy decreases dose to organs at risk in low-grade glioma patients: results of a multicentric <i>in silico</i> ROCOCO trial. <i>Acta Oncologica</i> , 2019, 58, 57-65.	0.8	20
120	Genomics of non-small cell lung cancer (NSCLC): Association between CT-based imaging features and EGFR and K-RAS mutations in 122 patients – An external validation. <i>European Journal of Radiology</i> , 2019, 110, 148-155.	1.2	22
121	Biological Determinants of Chemo-Radiotherapy Response in HPV-Negative Head and Neck Cancer: A Multicentric External Validation. <i>Frontiers in Oncology</i> , 2019, 9, 1470.	1.3	19
122	Role of hypoxia-activated prodrugs in combination with radiation therapy: An <i>in silico</i> approach. <i>Mathematical Biosciences and Engineering</i> , 2019, 16, 6257-6273.	1.0	11
123	The immunocytokine L19-IL2: An interplay between radiotherapy and long-lasting systemic anti-tumour immune responses. <i>Oncolmmunology</i> , 2018, 7, e1414119.	2.1	36
124	How Advances in Imaging Will Affect Precision Radiation Oncology. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 292-298.	0.4	37
125	A biodegradable rectal balloon implant to protect the rectum during prostate cancer radiotherapy for a patient with active Crohn's disease. <i>Technical Innovations and Patient Support in Radiation Oncology</i> , 2018, 6, 1-4.	0.6	5
126	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

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127	Evidence on the efficacy of primary radiosurgery or stereotactic radiotherapy for drug-resistant non-neoplastic focal epilepsy in adults: A systematic review. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 55, 83-92.	0.9	10
128	Improved effectiveness of stereotactic radiosurgery in large brain metastases by individualized isotoxic dose prescription: an in silico study. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 560-569.	1.0	26
129	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
130	A prediction model for early death in non-small cell lung cancer patients following curative-intent chemoradiotherapy. <i>Acta Oncologica</i> , 2018, 57, 226-230.	0.8	35
131	Multi-Scale Modeling and Oxygen Impact on Tumor Temporal Evolution: Application on Rectal Cancer During Radiotherapy. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 871-880.	5.4	5
132	The posterior cerebellum, a new organ at risk?. <i>Clinical and Translational Radiation Oncology</i> , 2018, 8, 22-26.	0.9	23
133	Non-linear conversion of HX4 uptake for automatic segmentation of hypoxic volumes and dose prescription. <i>Acta Oncologica</i> , 2018, 57, 485-490.	0.8	8
134	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
135	[1232] Radiomics: Transforming standard imaging into mineable data related to biology. <i>Physica Medica</i> , 2018, 52, 87.	0.4	0
136	Novel fluorinated carbonic anhydrase IX inhibitors reduce hypoxia-induced acidification and clonogenic survival of cancer cells. <i>Oncotarget</i> , 2018, 9, 26800-26816.	0.8	25
137	Pathway-based subnetworks enable cross-disease biomarker discovery. <i>Nature Communications</i> , 2018, 9, 4746.	5.8	30
138	Feasibility of CT radiomics to predict treatment response of individual liver metastases in esophagogastric cancer patients. <i>PLoS ONE</i> , 2018, 13, e0207362.	1.1	31
139	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
140	The Use of Quantitative Imaging in Radiation Oncology: A Quantitative Imaging Network (QIN) Perspective. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 1219-1235.	0.4	30
141	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
142	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
143	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
144	Development of an isotoxic decision support system integrating genetic markers of toxicity for the implantation of a rectum spacer. <i>Acta Oncologica</i> , 2018, 57, 1499-1505.	0.8	6

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145	Pre-treatment CT radiomics to predict 3-year overall survival following chemoradiotherapy of esophageal cancer. <i>Acta Oncologica</i> , 2018, 57, 1475-1481.	0.8	58
146	Towards a Clinical Decision Support System for External Beam Radiation Oncology Prostate Cancer Patients: Proton vs. Photon Radiotherapy? A Radiobiological Study of Robustness and Stability. <i>Cancers</i> , 2018, 10, 55.	1.7	5
147	Stereotactic Radiosurgery in the Management of Patients With Brain Metastases of Non-Small Cell Lung Cancer: Indications, Decision Tools and Future Directions. <i>Frontiers in Oncology</i> , 2018, 8, 154.	1.3	40
148	Applicability of a prognostic CT-based radiomic signature model trained on stage I-III non-small cell lung cancer in stage IV non-small cell lung cancer. <i>Lung Cancer</i> , 2018, 124, 6-11.	0.9	39
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