

Matthias Guckenberger

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

414
papers

12,266
citations

64
h-index

94
g-index

535
ext. papers

16,200
ext. citations

3.1
avg, IF

6.45
L-index

#	Paper	IF	Citations
414	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020 , 295, 328-338	20.5	734
413	Characterisation and classification of oligometastatic disease: a European Society for Radiotherapy and Oncology and European Organisation for Research and Treatment of Cancer consensus recommendation. <i>Lancet Oncology</i> , 2020 , 21, e18-e28	21.7	232
412	Stereotactic radiotherapy of primary liver cancer and hepatic metastases. <i>Acta Oncologica</i> , 2006 , 45, 838-47	3.2	213
411	Is a single arc sufficient in volumetric-modulated arc therapy (VMAT) for complex-shaped target volumes?. <i>Radiotherapy and Oncology</i> , 2009 , 93, 259-65	5.3	171
410	A collaborative analysis of stereotactic lung radiotherapy outcomes for early-stage non-small-cell lung cancer using daily online cone-beam computed tomography image-guided radiotherapy. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 1382-93	8.9	162
409	Radiographic changes after lung stereotactic ablative radiotherapy (SABR)--can we distinguish recurrence from fibrosis? A systematic review of the literature. <i>Radiotherapy and Oncology</i> , 2012 , 102, 335-42	5.3	154
408	Dose-response relationship for image-guided stereotactic body radiotherapy of pulmonary tumors: relevance of 4D dose calculation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 74, 47-54	4	152
407	ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2017 , 124, 11-17	5.3	149
406	Safety and efficacy of stereotactic body radiotherapy for stage 1 non-small-cell lung cancer in routine clinical practice: a patterns-of-care and outcome analysis. <i>Journal of Thoracic Oncology</i> , 2013 , 8, 1050-8	8.9	147
405	kV cone-beam CT-based IGRT: a clinical review. <i>Strahlentherapie Und Onkologie</i> , 2011 , 187, 284-91	4.3	141
404	MR-guidance in clinical reality: current treatment challenges and future perspectives. <i>Radiation Oncology</i> , 2019 , 14, 92	4.2	139
403	Magnitude and clinical relevance of translational and rotational patient setup errors: a cone-beam CT study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 934-42	4	136
402	Stereotactic radiosurgery for treatment of brain metastases. A report of the DEGRO Working Group on Stereotactic Radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2014 , 190, 521-32	4.3	135
401	Definition of stereotactic body radiotherapy: principles and practice for the treatment of stage I non-small cell lung cancer. <i>Strahlentherapie Und Onkologie</i> , 2014 , 190, 26-33	4.3	131
400	Radiotherapy in adrenocortical carcinoma. <i>Cancer</i> , 2009 , 115, 2816-23	6.4	128
399	Investigation of the usability of conebeam CT data sets for dose calculation. <i>Radiation Oncology</i> , 2008 , 3, 42	4.2	127
398	Dose-response relationship for radiation-induced pneumonitis after pulmonary stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2010 , 97, 65-70	5.3	124

397	Four-dimensional treatment planning for stereotactic body radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 276-85	4	122
396	Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. <i>Lancet Oncology, The</i> , 2015 , 16, e595-603 ^{21.7}		121
395	NKG2D-Based CAR T Cells and Radiotherapy Exert Synergistic Efficacy in Glioblastoma. <i>Cancer Research</i> , 2018 , 78, 1031-1043	10.1	117
394	Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. <i>Radiation Oncology</i> , 2014 , 9, 226	4.2	116
393	Toxicity of concurrent stereotactic radiotherapy and targeted therapy or immunotherapy: A systematic review. <i>Cancer Treatment Reviews</i> , 2017 , 53, 25-37	14.4	115
392	Precision of image-guided radiotherapy (IGRT) in six degrees of freedom and limitations in clinical practice. <i>Strahlentherapie Und Onkologie</i> , 2007 , 183, 307-13	4.3	114
391	Defining oligometastatic disease from a radiation oncology perspective: An ESTRO-ASTRO consensus document. <i>Radiotherapy and Oncology</i> , 2020 , 148, 157-166	5.3	113
390	Intra-fractional uncertainties in cone-beam CT based image-guided radiotherapy (IGRT) of pulmonary tumors. <i>Radiotherapy and Oncology</i> , 2007 , 83, 57-64	5.3	111
389	European Organization for Research and Treatment of Cancer (EORTC) recommendations for planning and delivery of high-dose, high precision radiotherapy for lung cancer. <i>Radiotherapy and Oncology</i> , 2017 , 124, 1-10	5.3	109
388	Practice Recommendations for Risk-Adapted Head and Neck Cancer Radiation Therapy During the COVID-19 Pandemic: An ASTRO-ESTRO Consensus Statement. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 107, 618-627	4	107
387	Practice recommendations for lung cancer radiotherapy during the COVID-19 pandemic: An ESTRO-ASTRO consensus statement. <i>Radiotherapy and Oncology</i> , 2020 , 146, 223-229	5.3	105
386	Pulmonary injury and tumor response after stereotactic body radiotherapy (SBRT): results of a serial follow-up CT study. <i>Radiotherapy and Oncology</i> , 2007 , 85, 435-42	5.3	105
385	Dose-response relationship with clinical outcome for lung stereotactic body radiotherapy (SBRT) delivered via online image guidance. <i>Radiotherapy and Oncology</i> , 2014 , 110, 499-504	5.3	104
384	Potential of image-guidance, gating and real-time tracking to improve accuracy in pulmonary stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2009 , 91, 288-95	5.3	104
383	Positioning accuracy of cone-beam computed tomography in combination with a HexaPOD robot treatment table. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1220-8	4	104
382	Cone-beam CT based image-guidance for extracranial stereotactic radiotherapy of intrapulmonary tumors. <i>Acta Oncologica</i> , 2006 , 45, 897-906	3.2	104
381	Computed Tomography Radiomics Predicts HPV Status and Local Tumor Control After Definitive Radiochemotherapy in Head and Neck Squamous Cell Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 99, 921-928	4	103
380	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. <i>Acta Oncologica</i> , 2018 , 57, 1070-1074	3.2	102

379	Is a single respiratory correlated 4D-CT study sufficient for evaluation of breathing motion?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 1352-9	4	101
378	Definition of Synchronous Oligometastatic Non-Small Cell Lung Cancer-A Consensus Report. <i>Journal of Thoracic Oncology</i> , 2019 , 14, 2109-2119	8.9	96
377	Stereotactic body radiotherapy (SBRT) for medically inoperable lung metastases-A pooled analysis of the German working group "stereotactic radiotherapy". <i>Lung Cancer</i> , 2016 , 97, 51-8	5.9	92
376	Transcriptome analysis of <i>Neisseria meningitidis</i> during infection. <i>Journal of Bacteriology</i> , 2003 , 185, 155-64	3.5	88
375	Evaluation of an automated knowledge based treatment planning system for head and neck. <i>Radiation Oncology</i> , 2015 , 10, 226	4.2	87
374	Acute Toxicity and Quality of Life After Dose-Intensified Salvage Radiation Therapy for Biochemically Recurrent Prostate Cancer After Prostatectomy: First Results of the Randomized Trial SAKK 09/10. <i>Journal of Clinical Oncology</i> , 2015 , 33, 4158-66	2.2	86
373	Comparison of PET and CT radiomics for prediction of local tumor control in head and neck squamous cell carcinoma. <i>Acta Oncologica</i> , 2017 , 56, 1531-1536	3.2	85
372	Potential of adaptive radiotherapy to escalate the radiation dose in combined radiochemotherapy for locally advanced non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 901-8	4	85
371	Local tumor control probability modeling of primary and secondary lung tumors in stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2016 , 118, 485-91	5.3	84
370	Applicability of the linear-quadratic formalism for modeling local tumor control probability in high dose per fraction stereotactic body radiotherapy for early stage non-small cell lung cancer. <i>Radiotherapy and Oncology</i> , 2013 , 109, 13-20	5.3	83
369	Stereotactic body radiotherapy for liver tumors: principles and practical guidelines of the DEGRO Working Group on Stereotactic Radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2014 , 190, 872-81	4.3	79
368	MLTI-09. UNDERWEIGHT AND WEIGHT LOSS ARE PREDICTORS OF POOR OUTCOME IN PATIENTS WITH BRAIN METASTASIS. <i>Neuro-Oncology Advances</i> , 2019 , 1, i16-i16	0.9	78
367	MBCL-11. TIME TO RADIOTHERAPY IMPACTS SURVIVAL IN PEDIATRIC AND ADOLESCENT NON-METASTATIC MEDULLOBLASTOMA TREATED BY UPFRONT RADIOTHERAPY A REPORT FROM THE HIT 2000 TRIAL. <i>Neuro-Oncology</i> , 2020 , 22, iii389-iii390	1	78
366	Dose to heart substructures is associated with non-cancer death after SBRT in stage I-II NSCLC patients. <i>Radiotherapy and Oncology</i> , 2017 , 123, 370-375	5.3	77
365	Is there a lower limit of pretreatment pulmonary function for safe and effective stereotactic body radiotherapy for early-stage non-small cell lung cancer?. <i>Journal of Thoracic Oncology</i> , 2012 , 7, 542-51	8.9	77
364	Tumor tracking and motion compensation with an adaptive tumor tracking system (ATTS): system description and prototype testing. <i>Medical Physics</i> , 2008 , 35, 3911-21	4.4	74
363	Vertebral compression fractures after stereotactic body radiation therapy: a large, multi-institutional, multinational evaluation. <i>Journal of Neurosurgery: Spine</i> , 2016 , 24, 928-36	2.8	73
362	Intensity-modulated radiotherapy (IMRT) of localized prostate cancer: a review and future perspectives. <i>Strahlentherapie Und Onkologie</i> , 2007 , 183, 57-62	4.3	73

361	Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. <i>Radiotherapy and Oncology</i> , 2015 , 116, 374-80	5.3	72
360	Image-guided radiotherapy for liver cancer using respiratory-correlated computed tomography and cone-beam computed tomography. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 71, 297-304	4	72
359	The SBRT database initiative of the German Society for Radiation Oncology (DEGRO): patterns of care and outcome analysis of stereotactic body radiotherapy (SBRT) for liver oligometastases in 474 patients with 623 metastases. <i>BMC Cancer</i> , 2018 , 18, 283	4.8	71
358	Accuracy and inter-observer variability of 3D versus 4D cone-beam CT based image-guidance in SBRT for lung tumors. <i>Radiation Oncology</i> , 2012 , 7, 81	4.2	71
357	LungTech, an EORTC Phase II trial of stereotactic body radiotherapy for centrally located lung tumours: a clinical perspective. <i>British Journal of Radiology</i> , 2015 , 88, 20150036	3.4	69
356	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	3.4	69
355	A multi-institution evaluation of deformable image registration algorithms for automatic organ delineation in adaptive head and neck radiotherapy. <i>Radiation Oncology</i> , 2012 , 7, 90	4.2	69
354	Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery. <i>Radiation Oncology</i> , 2012 , 7, 63	4.2	69
353	ICRU report 91 on prescribing, recording, and reporting of stereotactic treatments with small photon beams : Statement from the DEGRO/DGMP working group stereotactic radiotherapy and radiosurgery. <i>Strahlentherapie Und Onkologie</i> , 2019 , 195, 193-198	4.3	69
352	A dosimetric comparison of real-time adaptive and non-adaptive radiotherapy: A multi-institutional study encompassing robotic, gimbaled, multileaf collimator and couch tracking. <i>Radiotherapy and Oncology</i> , 2016 , 119, 159-65	5.3	68
351	Safety evaluation of nivolumab added concurrently to radiotherapy in a standard first line chemo-radiotherapy regimen in stage III non-small cell lung cancer-The ETOP NICOLAS trial. <i>Lung Cancer</i> , 2019 , 133, 83-87	5.9	65
350	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	5.3	64
349	Stereotactic body radiotherapy for local boost irradiation in unfavourable locally recurrent gynaecological cancer. <i>Radiotherapy and Oncology</i> , 2010 , 94, 53-9	5.3	64
348	Feasibility study for markerless tracking of lung tumors in stereotactic body radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 618-27	4	63
347	Precision required for dose-escalated treatment of spinal metastases and implications for image-guided radiation therapy (IGRT). <i>Radiotherapy and Oncology</i> , 2007 , 84, 56-63	5.3	62
346	Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey. <i>Journal of Neurosurgery: Spine</i> , 2017 , 26, 299-306	2.8	60
345	Re-irradiation stereotactic body radiotherapy for spinal metastases: a multi-institutional outcome analysis. <i>Journal of Neurosurgery: Spine</i> , 2016 , 25, 646-653	2.8	57
344	Internal mammary and medial supraclavicular lymph node chain irradiation in stage I-III breast cancer (EORTC 22922/10925): 15-year results of a randomised, phase 3 trial. <i>Lancet Oncology</i> , 2020 , 21, 1602-1610	21.7	57

343	Clinical performance of Ga-PSMA-11 PET/MRI for the detection of recurrent prostate cancer following radical prostatectomy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 20-30	8.8	56
342	Stereotactic body radiotherapy for oligo-metastatic liver disease - Influence of pre-treatment chemotherapy and histology on local tumor control. <i>Radiotherapy and Oncology</i> , 2017 , 123, 227-233	5.3	55
341	Stereotactic body radiation therapy in the re-irradiation situation--a review. <i>Radiation Oncology</i> , 2013 , 8, 7	4.2	54
340	Nonrigid patient setup errors in the head-and-neck region. <i>Strahlentherapie Und Onkologie</i> , 2007 , 183, 506-11	4.3	54
339	Adaptive radiotherapy for locally advanced non-small-cell lung cancer does not underdose the microscopic disease and has the potential to increase tumor control. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, e275-82	4	53
338	Toxicity after intensity-modulated, image-guided radiotherapy for prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2010 , 186, 535-43	4.3	53
337	Reliability of the bony anatomy in image-guided stereotactic radiotherapy of brain metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 69, 294-301	4	52
336	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases: The FIRE-SCLC Cohort Study. <i>JAMA Oncology</i> , 2020 , 6, 1028-1037	13.4	51
335	ESMO consensus conference recommendations on the management of metastatic melanoma: under the auspices of the ESMO Guidelines Committee. <i>Annals of Oncology</i> , 2020 , 31, 1435-1448	10.3	49
334	Modern therapeutic approaches for the treatment of malignant liver tumours. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020 , 17, 755-772	24.2	47
333	Intensity-modulated radiotherapy for lung cancer: current status and future developments. <i>Journal of Thoracic Oncology</i> , 2014 , 9, 1598-608	8.9	45
332	Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy (IMRT) of prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2008 , 184, 668-73	4.3	45
331	Stereotactic body radiotherapy for centrally located stage I NSCLC: a multicenter analysis. <i>Strahlentherapie Und Onkologie</i> , 2015 , 191, 125-32	4.3	43
330	Modeling local control after hypofractionated stereotactic body radiation therapy for stage I non-small cell lung cancer: a report from the Elekta collaborative lung research group. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 84, e379-84	4	43
329	Respiratory motion-management in stereotactic body radiation therapy for lung cancer - A dosimetric comparison in an anthropomorphic lung phantom (LuCa). <i>Radiotherapy and Oncology</i> , 2016 , 121, 328-334	5.3	42
328	Nomogram based overall survival prediction in stereotactic body radiotherapy for oligo-metastatic lung disease. <i>Radiotherapy and Oncology</i> , 2017 , 123, 182-188	5.3	41
327	Support vector machine-based prediction of local tumor control after stereotactic body radiation therapy for early-stage non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014 , 88, 732-8	4	41
326	The impact of local control on overall survival after stereotactic body radiotherapy for liver and lung metastases from colorectal cancer: a combined analysis of 388 patients with 500 metastases. <i>BMC Cancer</i> , 2019 , 19, 173	4.8	40

325	Lack of a dose-effect relationship for pulmonary function changes after stereotactic body radiation therapy for early-stage non-small cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 1074-81	4	39
324	Late small bowel toxicity after adjuvant treatment for rectal cancer. <i>International Journal of Colorectal Disease</i> , 2006 , 21, 209-20	3	39
323	Stability of radiomic features in CT perfusion maps. <i>Physics in Medicine and Biology</i> , 2016 , 61, 8736-8749	3.8	38
322	Hypofractionated radiotherapy for prostate cancer. <i>Radiation Oncology</i> , 2014 , 9, 275	4.2	38
321	Transcriptome-based antigen identification for <i>Neisseria meningitidis</i> . <i>Vaccine</i> , 2003 , 21, 768-75	4.1	37
320	Report of an abscopal effect induced by stereotactic body radiotherapy and nivolumab in a patient with metastatic non-small cell lung cancer. <i>Radiation Oncology</i> , 2018 , 13, 102	4.2	36
319	Influence of retrospective sorting on image quality in respiratory correlated computed tomography. <i>Radiotherapy and Oncology</i> , 2007 , 85, 223-31	5.3	36
318	Planning benchmark study for SBRT of early stage NSCLC : Results of the DEGRO Working Group Stereotactic Radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 780-790	4.3	36
317	Definition and quality requirements for stereotactic radiotherapy: consensus statement from the DEGRO/DGMP Working Group Stereotactic Radiotherapy and Radiosurgery. <i>Strahlentherapie Und Onkologie</i> , 2020 , 196, 417-420	4.3	35
316	Clinical practice of image-guided spine radiosurgery--results from an international research consortium. <i>Radiation Oncology</i> , 2011 , 6, 172	4.2	35
315	Tracking moving objects with megavoltage portal imaging: a feasibility study. <i>Medical Physics</i> , 2006 , 33, 1275-80	4.4	35
314	Clinical impact of Ga-PSMA-11 PET on patient management and outcome, including all patients referred for an increase in PSA level during the first year after its clinical introduction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 889-900	8.8	35
313	PEACE V - Salvage Treatment of OligoRecurrent nodal prostate cancer Metastases (STORM): a study protocol for a randomized controlled phase II trial. <i>BMC Cancer</i> , 2020 , 20, 406	4.8	33
312	Effect of breathing motion in radiotherapy of breast cancer: 4D dose calculation and motion tracking via EPID. <i>Strahlentherapie Und Onkologie</i> , 2009 , 185, 425-30	4.3	33
311	Analysis of the heat shock response of <i>Neisseria meningitidis</i> with cDNA- and oligonucleotide-based DNA microarrays. <i>Journal of Bacteriology</i> , 2002 , 184, 2546-51	3.5	33
310	ITV, mid-ventilation, gating or couch tracking - A comparison of respiratory motion-management techniques based on 4D dose calculations. <i>Radiotherapy and Oncology</i> , 2017 , 124, 80-88	5.3	32
309	First statement on preparation for the COVID-19 pandemic in large German Speaking University-based radiation oncology departments. <i>Radiation Oncology</i> , 2020 , 15, 74	4.2	32
308	Longitudinal PET imaging of tumor hypoxia during the course of radiotherapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 2201-2217	8.8	32

307	Accuracy of real-time couch tracking during 3-dimensional conformal radiation therapy, intensity modulated radiation therapy, and volumetric modulated arc therapy for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013 , 85, 237-42	4	32
306	Influence of Institutional Experience and Technological Advances on Outcome of Stereotactic Body Radiation Therapy for Oligometastatic Lung Disease. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 98, 511-520	4	32
305	Spinal metastases: Is stereotactic body radiation therapy supported by evidences?. <i>Critical Reviews in Oncology/Hematology</i> , 2016 , 98, 147-58	7	30
304	CT radiomics and PET radiomics: ready for clinical implementation?. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 63, 355-370	1.4	30
303	Radiomics, Tumor Volume, and Blood Biomarkers for Early Prediction of Pseudoprogression in Patients with Metastatic Melanoma Treated with Immune Checkpoint Inhibition. <i>Clinical Cancer Research</i> , 2020 , 26, 4414-4425	12.9	30
302	SBRT for oligoprogenessive oncogene addicted NSCLC. <i>Lung Cancer</i> , 2017 , 106, 50-57	5.9	29
301	EANO-ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up of patients with brain metastasis from solid tumours. <i>Annals of Oncology</i> , 2021 , 32, 1332-1347	10.3	29
300	Motion compensation in radiotherapy. <i>Critical Reviews in Biomedical Engineering</i> , 2012 , 40, 187-97	1.1	28
299	The updated Swiss guidelines 2016 for the treatment and follow-up of cutaneous melanoma. <i>Swiss Medical Weekly</i> , 2016 , 146, w14279	3.1	28
298	PSMA-PET based radiotherapy: a review of initial experiences, survey on current practice and future perspectives. <i>Radiation Oncology</i> , 2018 , 13, 90	4.2	27
297	Stereotactic body radiotherapy (SBRT) for pulmonary metastases from renal cell carcinoma-a multicenter analysis of the German working group "Stereotactic Radiotherapy". <i>Journal of Thoracic Disease</i> , 2017 , 9, 4512-4522	2.6	27
296	Combining advanced radiotherapy technologies to maximize safety and tumor control probability in stage III non-small cell lung cancer. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 894-900	4.3	27
295	Does intensity modulated radiation therapy (IMRT) prevent additional toxicity of treating the pelvic lymph nodes compared to treatment of the prostate only?. <i>Radiation Oncology</i> , 2008 , 3, 3	4.2	27
294	Technology-driven research for radiotherapy innovation. <i>Molecular Oncology</i> , 2020 , 14, 1500-1513	7.9	26
293	Practice Recommendations for Lung Cancer Radiotherapy During the COVID-19 Pandemic: An ESTRO-ASTRO Consensus Statement. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 107, 631-640	4	26
292	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. <i>Radiotherapy and Oncology</i> , 2020 , 152, 203-207	5.3	26
291	Optimal imaging surveillance after stereotactic ablative radiation therapy for early-stage non-small cell lung cancer: Findings of an International Delphi Consensus Study. <i>Practical Radiation Oncology</i> , 2018 , 8, e71-e78	2.8	26
290	Lungtech, a phase II EORTC trial of SBRT for centrally located lung tumours - a clinical physics perspective. <i>Radiation Oncology</i> , 2016 , 11, 7	4.2	26

289	Combined CT radiomics of primary tumor and metastatic lymph nodes improves prediction of loco-regional control in head and neck cancer. <i>Scientific Reports</i> , 2019 , 9, 15198	4.9	26
288	Moderately hypofractionated radiotherapy for localized prostate cancer: long-term outcome using IMRT and volumetric IGRT. <i>Strahlentherapie Und Onkologie</i> , 2014 , 190, 48-53	4.3	26
287	Validation of High-Risk Computed Tomography Features for Detection of Local Recurrence After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 96, 134-41	4	25
286	Prostate-specific Membrane Antigen Positron Emission Tomography-detected Oligorecurrent Prostate Cancer Treated with Metastases-directed Radiotherapy: Role of Addition and Duration of Androgen Deprivation. <i>European Urology Focus</i> , 2021 , 7, 309-316	5.1	25
285	Target delineation variability and corresponding margins of peripheral early stage NSCLC treated with stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2015 , 114, 361-6	5.3	24
284	A novel respiratory motion compensation strategy combining gated beam delivery and mean target position concept --a compromise between small safety margins and long duty cycles. <i>Radiotherapy and Oncology</i> , 2011 , 98, 317-22	5.3	24
283	Planning comparison of five automated treatment planning solutions for locally advanced head and neck cancer. <i>Radiation Oncology</i> , 2018 , 13, 170	4.2	24
282	Evolution of treatment strategies for oligometastatic NSCLC patients - A systematic review of the literature. <i>Cancer Treatment Reviews</i> , 2019 , 80, 101892	14.4	23
281	Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. <i>Scientific Reports</i> , 2020 , 10, 4542	4.9	23
280	Clinical outcome of dose-escalated image-guided radiotherapy for spinal metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 75, 828-35	4	23
279	Stereotactic Radiosurgery for Multiple Brain Metastases. <i>Current Treatment Options in Neurology</i> , 2019 , 21, 6	4.4	23
278	Targeted Therapies and Immune-Checkpoint Inhibition in Head and Neck Squamous Cell Carcinoma: Where Do We Stand Today and Where to Go?. <i>Cancers</i> , 2019 , 11,	6.6	22
277	Stereotactic body radiotherapy (SBRT) for multiple pulmonary oligometastases: Analysis of number and timing of repeat SBRT as impact factors on treatment safety and efficacy. <i>Radiotherapy and Oncology</i> , 2018 , 127, 246-252	5.3	22
276	Comparison of a multileaf collimator tracking system and a robotic treatment couch tracking system for organ motion compensation during radiotherapy. <i>Medical Physics</i> , 2012 , 39, 7032-41	4.4	22
275	Semi-robotic 6 degree of freedom positioning for intracranial high precision radiotherapy; first phantom and clinical results. <i>Radiation Oncology</i> , 2010 , 5, 42	4.2	22
274	Radiation Fractionation Schedules Published During the COVID-19 Pandemic: A Systematic Review of the Quality of Evidence and Recommendations for Future Development. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 108, 379-389	4	22
273	Prediction of Early Death in Patients with Early-Stage NSCLC-Can We Select Patients without a Potential Benefit of SBRT as a Curative Treatment Approach?. <i>Journal of Thoracic Oncology</i> , 2016 , 11, 1132-9	8.9	22
272	Detection Rate and Localization of Prostate Cancer Recurrence Using Ga-PSMA-11 PET/MRI in Patients with Low PSA Values [0.5 ng/mL. <i>Journal of Nuclear Medicine</i> , 2020 , 61, 194-201	8.9	22

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- 1 Comparison of fMRI Preprocessing Strategies and Sequences for Radiomics-Based MGMT Prediction. *Lecture Notes in Computer Science*, **2022**, 367-380 0.9