

Matthias Guckenberger

List of Publications by Year in descending order

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Version: 2024-02-01

486
papers

19,335
citations

11908

72
h-index

21843

118
g-index

537
all docs

537
docs citations

537
times ranked

15982
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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> , The, 2020, 21, e18-e28.	5.1	588
3	Defining oligometastatic disease from a radiation oncology perspective: An ESTRO-ASTRO consensus document. <i>Radiotherapy and Oncology</i> , 2020, 148, 157-166.	0.3	352
4	MR-guidance in clinical reality: current treatment challenges and future perspectives. <i>Radiation Oncology</i> , 2019, 14, 92.	1.2	252
5	Stereotactic radiotherapy of primary liver cancer and hepatic metastases. <i>Acta Oncologica</i> , 2006, 45, 838-847.	0.8	250
6	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.	0.3	230
7	EANOâ€“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.	0.6	227
8	Radiographic changes after lung stereotactic ablative radiotherapy (SABR) â€“ Can we distinguish recurrence from fibrosis? A systematic review of the literature. <i>Radiotherapy and Oncology</i> , 2012, 102, 335-342.	0.3	209
9	A Collaborative Analysis of Stereotactic Lung Radiotherapy Outcomes for Early-Stage Nonâ€“Small-Cell Lung Cancer Using Daily Online Cone-Beam Computed Tomography Image-Guided Radiotherapy. <i>Journal of Thoracic Oncology</i> , 2012, 7, 1382-1393.	0.5	198
10	NKG2D-Based CAR T Cells and Radiotherapy Exert Synergistic Efficacy in Glioblastoma. <i>Cancer Research</i> , 2018, 78, 1031-1043.	0.4	193
11	Is a single arc sufficient in volumetric-modulated arc therapy (VMAT) for complex-shaped target volumes?. <i>Radiotherapy and Oncology</i> , 2009, 93, 259-265.	0.3	191
12	Definition of Synchronous Oligometastatic Nonâ€“Small Cell Lung Cancerâ€“A Consensus Report. <i>Journal of Thoracic Oncology</i> , 2019, 14, 2109-2119.	0.5	189
13	Doseâ€“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.	0.4	181
14	Definition of stereotactic body radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 26-33.	1.0	180
15	Safety and Efficacy of Stereotactic Body Radiotherapy for Stage I Nonâ€“Small-Cell Lung Cancer in Routine Clinical Practice: A Patterns-of-Care and Outcome Analysis. <i>Journal of Thoracic Oncology</i> , 2013, 8, 1050-1058.	0.5	179
16	Stereotactic radiosurgery for treatment of brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 521-532.	1.0	179
17	kV Cone-Beam CT-Based IGRT. <i>Strahlentherapie Und Onkologie</i> , 2011, 187, 284-291.	1.0	177
18	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.	0.3	177

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19	Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. <i>Lancet Oncology</i> , The, 2015, 16, e595-e603.	5.1	170
20	Toxicity of concurrent stereotactic radiotherapy and targeted therapy or immunotherapy: A systematic review. <i>Cancer Treatment Reviews</i> , 2017, 53, 25-37.	3.4	169
21	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.	0.3	168
22	Radiotherapy in adrenocortical carcinoma. <i>Cancer</i> , 2009, 115, 2816-2823.	2.0	165
23	Internal mammary and medial supraclavicular lymph node chain irradiation in stage III breast cancer (EORTC 22922/10925): 15-year results of a randomised, phase 3 trial. <i>Lancet Oncology</i> , The, 2020, 21, 1602-1610.	5.1	164
24	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.	0.4	161
25	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, 934-942.	0.4	156
26	Investigation of the usability of conebeam CT data sets for dose calculation. <i>Radiation Oncology</i> , 2008, 3, 42.	1.2	156
27	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.	0.4	156
28	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. <i>Acta Oncologica</i> , 2018, 57, 1070-1074.	0.8	152
29	Dose-response relationship for radiation-induced pneumonitis after pulmonary stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2010, 97, 65-70.	0.3	147
30	Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. <i>Radiation Oncology</i> , 2014, 9, 226.	1.2	144
31	ICRU report 91 on prescribing, recording, and reporting of stereotactic treatments with small photon beams. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 193-198.	1.0	143
32	Four-Dimensional Treatment Planning for Stereotactic Body Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 69, 276-285.	0.4	142
33	Precision of Image-Guided Radiotherapy (IGRT) in Six Degrees of Freedom and Limitations in Clinical Practice. <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 307-313.	1.0	133
34	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.	0.6	132
35	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, 435-442.	0.3	128
36	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, 51-58.	0.9	128

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37	Intra-fractional uncertainties in cone-beam CT based image-guided radiotherapy (IGRT) of pulmonary tumors. <i>Radiotherapy and Oncology</i> , 2007, 83, 57-64.	0.3	127
38	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.	0.3	125
39	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, 1220-1228.	0.4	124
40	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.	0.8	123
41	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases. <i>JAMA Oncology</i> , 2020, 6, 1028.	3.4	122
42	Modern therapeutic approaches for the treatment of malignant liver tumours. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 755-772.	8.2	120
43	Potential of image-guidance, gating and real-time tracking to improve accuracy in pulmonary stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2009, 91, 288-295.	0.3	119
44	Cone-beam CT based image-guidance for extracranial stereotactic radiotherapy of intrapulmonary tumors. <i>Acta Oncologica</i> , 2006, 45, 897-906.	0.8	117
45	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.	0.3	115
46	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.	1.1	115
47	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.	0.9	113
48	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
49	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, 1352-1359.	0.4	108
50	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, 901-908.	0.4	107
51	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, 542-551.	0.5	105
52	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.	0.3	103
53	Local tumor control probability modeling of primary and secondary lung tumors in stereotactic body radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 118, 485-491.	0.3	101
54	Vertebral compression fractures after stereotactic body radiation therapy: a large, multi-institutional, multinational evaluation. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 928-936.	0.9	100

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55	Stereotactic body radiotherapy for liver tumors. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 872-881.	1.0	99
56	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, 4158-4166.	0.8	99
57	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.	1.0	96
58	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.	1.0	96
59	Evaluation of an automated knowledge based treatment planning system for head and neck. <i>Radiation Oncology</i> , 2015, 10, 226.	1.2	94
60	Transcriptome Analysis of <i>Neisseria meningitidis</i> during Infection. <i>Journal of Bacteriology</i> , 2003, 185, 155-164.	1.0	93
61	Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. <i>Radiotherapy and Oncology</i> , 2015, 116, 374-380.	0.3	92
62	Tumor tracking and motion compensation with an adaptive tumor tracking system (ATTS): System description and prototype testing. <i>Medical Physics</i> , 2008, 35, 3911-3921.	1.6	90
63	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
64	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.	1.2	88
65	Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery. <i>Radiation Oncology</i> , 2012, 7, 63.	1.2	88
66	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.	0.9	88
67	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.	0.3	85
68	Intensity-Modulated Radiotherapy (IMRT) of Localized Prostate Cancer. <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 57-62.	1.0	84
69	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.	0.4	83
70	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, 159-165.	0.3	82
71	Progression-Free and Overall Survival for Concurrent Nivolumab With Standard Concurrent Chemoradiotherapy in Locally Advanced Stage IIIA-B NSCLC: Results From the European Thoracic Oncology Platform NICOLAS Phase II Trial (European Thoracic Oncology Platform 6-14). <i>Journal of Thoracic Oncology</i> , 2021, 16, 278-288.	0.5	82
72	Stereotactic body radiotherapy for local boost irradiation in unfavourable locally recurrent gynaecological cancer. <i>Radiotherapy and Oncology</i> , 2010, 94, 53-59.	0.3	78

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73	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.	1.2	78
74	Re-irradiation stereotactic body radiotherapy for spinal metastases: a multi-institutional outcome analysis. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 646-653.	0.9	72
75	Clinical performance of 68Ga-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.	3.3	72
76	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.	0.3	71
77	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.	3.2	70
78	ESMO consensus conference recommendations on the management of locoregional melanoma: under the auspices of the ESMO Guidelines Committee. <i>Annals of Oncology</i> , 2020, 31, 1449-1461.	0.6	69
79	Feasibility Study for Markerless Tracking of Lung Tumors in Stereotactic Body Radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 618-627.	0.4	68
80	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.	1.1	68
81	Stereotactic body radiation therapy in the re-irradiation situation – a review. <i>Radiation Oncology</i> , 2013, 8, 7.	1.2	66
82	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.	0.4	65
83	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-e282.	0.4	65
84	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.	1.1	64
85	Dose-intensified Versus Conventional-dose Salvage Radiotherapy for Biochemically Recurrent Prostate Cancer After Prostatectomy: The SAKK 09/10 Randomized Phase 3 Trial. <i>European Urology</i> , 2021, 80, 306-315.	0.9	64
86	Intensity-Modulated Radiotherapy for Lung Cancer: Current Status and Future Developments. <i>Journal of Thoracic Oncology</i> , 2014, 9, 1598-1608.	0.5	63
87	Image guidance in radiation therapy for better cure of cancer. <i>Molecular Oncology</i> , 2020, 14, 1470-1491.	2.1	63
88	Position of a panel of international lung cancer experts on the approval decision for use of durvalumab in stage III non-small-cell lung cancer (NSCLC) by the Committee for Medicinal Products for Human Use (CHMP). <i>Annals of Oncology</i> , 2019, 30, 161-165.	0.6	60
89	Technology-driven research for radiotherapy innovation. <i>Molecular Oncology</i> , 2020, 14, 1500-1513.	2.1	60
90	Nonrigid Patient Setup Errors in the Head-and-Neck Region. <i>Strahlentherapie Und Onkologie</i> , 2007, 183, 506-511.	1.0	59

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91	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. <i>Radiotherapy and Oncology</i> , 2020, 152, 203-207.	0.3	59
92	Toxicity after Intensity-Modulated, Image-Guided Radiotherapy for Prostate Cancer. <i>Strahlentherapie Und Onkologie</i> , 2010, 186, 535-543.	1.0	58
93	CT radiomics and PET radiomics: ready for clinical implementation?. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 63, 355-370.	0.4	58
94	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-e384.	0.4	57
95	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, 1074-1081.	0.4	57
96	Hypofractionated radiotherapy for prostate cancer. <i>Radiation Oncology</i> , 2014, 9, 275.	1.2	56
97	Nomogram based overall survival prediction in stereotactic body radiotherapy for oligo-metastatic lung disease. <i>Radiotherapy and Oncology</i> , 2017, 123, 182-188.	0.3	55
98	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, 732-738.	0.4	54
99	Stereotactic body radiotherapy for centrally located stage I NSCLC. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 125-132.	1.0	52
100	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.	0.3	52
101	Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy (IMRT) of prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 668-673.	1.0	51
102	LINAC based stereotactic radiosurgery for multiple brain metastases: guidance for clinical implementation. <i>Acta Oncologica</i> , 2019, 58, 1275-1282.	0.8	50
103	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.	1.2	50
104	SBRT for oligoprogressive oncogene addicted NSCLC. <i>Lung Cancer</i> , 2017, 106, 50-57.	0.9	49
105	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.	3.3	47
106	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.	0.4	47
107	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.	1.6	46
108	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.	0.3	45

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109	Evolution of treatment strategies for oligometastatic NSCLC patients – A systematic review of the literature. <i>Cancer Treatment Reviews</i> , 2019, 80, 101892.	3.4	45
110	Late small bowel toxicity after adjuvant treatment for rectal cancer. <i>International Journal of Colorectal Disease</i> , 2006, 21, 209-220.	1.0	44
111	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.	1.2	44
112	Stereotactic body radiotherapy dose and its impact on local control and overall survival of patients for locally advanced intrahepatic and extrahepatic cholangiocarcinoma. <i>Radiotherapy and Oncology</i> , 2019, 132, 42-47.	0.3	44
113	Clinical impact of 68Ga-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.	3.3	44
114	Feasibility and Usability Aspects of Continuous Remote Monitoring of Health Status in Palliative Cancer Patients Using Wearables. <i>Oncology</i> , 2020, 98, 386-395.	0.9	44
115	Planning benchmark study for SBRT of early stage NSCLC. <i>Strahlentherapie Und Onkologie</i> , 2017, 193, 780-790.	1.0	44
116	Transcriptome-based antigen identification for <i>Neisseria meningitidis</i> . <i>Vaccine</i> , 2003, 21, 768-775.	1.7	43
117	33, 1275-1280.	1.6	43
118	Clinical practice of image-guided spine radiosurgery - results from an international research consortium. <i>Radiation Oncology</i> , 2011, 6, 172.	1.2	43
119	Stability of radiomic features in CT perfusion maps. <i>Physics in Medicine and Biology</i> , 2016, 61, 8736-8749.	1.6	43
120	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.	0.6	43
121	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.	0.4	42
122	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.	1.6	42
123	Single fraction urethra-sparing prostate cancer SBRT: Phase I results of the ONE SHOT trial. <i>Radiotherapy and Oncology</i> , 2019, 139, 83-86.	0.3	40
124	Correlating Dose Variables with Local Tumor Control in Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer: A Modeling Study on 1500 Individual Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 579-586.	0.4	40
125	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.	0.4	40
126	Definition of oligometastatic esophagogastric cancer and impact of local oligometastasis-directed treatment: A systematic review and meta-analysis. <i>European Journal of Cancer</i> , 2022, 166, 254-269.	1.3	40

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127	Influence of retrospective sorting on image quality in respiratory correlated computed tomography. <i>Radiotherapy and Oncology</i> , 2007, 85, 223-231.	0.3	39
128	Detection Rate and Localization of Prostate Cancer Recurrence Using ⁶⁸ Ga-PSMA-11 PET/MRI in Patients with Low PSA Values \leq 0.5 ng/mL. <i>Journal of Nuclear Medicine</i> , 2020, 61, 194-201.	2.8	39
129	Effect of Breathing Motion in Radiotherapy of Breast Cancer. <i>Strahlentherapie Und Onkologie</i> , 2009, 185, 425-430.	1.0	38
130	Stereotactic Radiosurgery for Multiple Brain Metastases. <i>Current Treatment Options in Neurology</i> , 2019, 21, 6.	0.7	38
131	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, 134-141.	0.4	37
132	Spinal metastases: Is stereotactic body radiation therapy supported by evidences?. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 98, 147-158.	2.0	37
133	Mobile Health Technologies for Continuous Monitoring of Cancer Patients in Palliative Care Aiming to Predict Health Status Deterioration: A Feasibility Study. <i>Journal of Palliative Medicine</i> , 2020, 23, 678-685.	0.6	37
134	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, 2546-2551.	1.0	36
135	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, 237-242.	0.4	36
136	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.	0.3	36
137	Treatment plan quality during online adaptive re-planning. <i>Radiation Oncology</i> , 2020, 15, 203.	1.2	36
138	The updated Swiss guidelines 2016 for the treatment and follow-up of cutaneous melanoma. <i>Swiss Medical Weekly</i> , 2016, 146, w14279.	0.8	35
139	Motion Compensation in Radiotherapy. <i>Critical Reviews in Biomedical Engineering</i> , 2012, 40, 187-197.	0.5	34
140	PSMA-PET based radiotherapy: a review of initial experiences, survey on current practice and future perspectives. <i>Radiation Oncology</i> , 2018, 13, 90.	1.2	34
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