Matthias Guckenberger

List of Publications by Year
in descending order

Version: 2024-02-01

486 papers	19,335 citations	10388 72 h-index	19188 118 g-index
537 all docs	537 docs citations	537 times ranked	15107 citing authors

#	Article	IF	Citations
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. Radiology, 2020, 295, 328-338.	7.3	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. Lancet Oncology, The, 2020, 21, e18-e28.	10.7	588
3	Defining oligometastatic disease from a radiation oncology perspective: An ESTRO-ASTRO consensus document. Radiotherapy and Oncology, 2020, 148, 157-166.	0.6	352
4	MR-guidance in clinical reality: current treatment challenges and future perspectives. Radiation Oncology, 2019, 14, 92.	2.7	252
5	Stereotactic radiotherapy of primary liver cancer and hepatic metastases. Acta OncolÃ³gica, 2006, 45, 838-847.	1.8	250
6	ESTRO ACROP consensus guideline on implementation and practice of stereotactic body radiotherapy for peripherally located early stage non-small cell lung cancer. Radiotherapy and Oncology, 2017, 124, 11-17.	0.6	230
7	EANOâ€“ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up of patients with brain metastasis from solid tumours. Annals of Oncology, 2021, 32, 1332-1347.	1.2	227
8	Radiographic changes after lung stereotactic ablative radiotherapy (SABR) â€“ Can we distinguish recurrence from fibrosis? A systematic review of the literature. Radiotherapy and Oncology, 2012, 102, 335-342.	0.6	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. Journal of Thoracic Oncology, 2012, 7, 1382-1393.	1.1	198
10	NKG2D-Based CAR T Cells and Radiotherapy Exert Synergistic Efficacy in Glioblastoma. Cancer Research, 2018, 78, 1031-1043.	0.9	193
11	Is a single arc sufficient in volumetric-modulated arc therapy (VMAT) for complex-shaped target volumes?. Radiotherapy and Oncology, 2009, 93, 259-265.	0.6	191
12	Definition of Synchronous Oligometastatic Nonâ€“Small Cell Lung Cancerâ€”A Consensus Report. Journal of Thoracic Oncology, 2019, 14, 2109-2119.	1.1	189
13	Doseâ€“Response Relationship for Image-Guided Stereotactic Body Radiotherapy of Pulmonary Tumors: Relevance of 4D Dose Calculation. International Journal of Radiation Oncology Biology Physics, 2009, 74, 47-54.	0.8	181
14	Definition of stereotactic body radiotherapy. Strahlentherapie Und Onkologie, 2014, 190, 26-33.	2.0	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. Journal of Thoracic Oncology, 2013, 8, 1050-1058.	1.1	179
16	Stereotactic radiosurgery for treatment of brain metastases. Strahlentherapie Und Onkologie, 2014, 190, 521-532.	2.0	179
17	kV Cone-Beam CT-Based IGRT. Strahlentherapie Und Onkologie, 2011, 187, 284-291.	2.0	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. Radiotherapy and Oncology, 2017, 124, 1-10.	0.6	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. Lancet Oncology, The, 2015, 16, e595-e603.	10.7	170
20	Toxicity of concurrent stereotactic radiotherapy and targeted therapy or immunotherapy: A systematic review. Cancer Treatment Reviews, 2017, 53, 25-37.	7.7	169
21	Practice recommendations for lung cancer radiotherapy during the COVID-19 pandemic: An ESTRO-ASTRO consensus statement. Radiotherapy and Oncology, 2020, 146, 223-229.	0.6	168
22	Radiotherapy in adrenocortical carcinoma. Cancer, 2009, 115, 2816-2823.	4.1	165
23	Internal mammary and medial supraclavicular lymph node chain irradiation in stage Iâ€“III breast cancer (EORTC 22922/10925): 15-year results of a randomised, phase 3 trial. Lancet Oncology, The, 2020, 21, 1602-1610.	10.7	164
24	Computed Tomography Radiomics Predicts HPV Status and Local Tumor Control After Definitive Radiochemotherapy in Head and Neck Squamous Cell Carcinoma. International Journal of Radiation Oncology Biology Physics, 2017, 99, 921-928.	0.8	161
25	Magnitude and clinical relevance of translational and rotational patient setup errors: A cone-beam CT study. International Journal of Radiation Oncology Biology Physics, 2006, 65, 934-942.	0.8	156
26	Investigation of the usability of conebeam CT data sets for dose calculation. Radiation Oncology, 2008, 3, 42.	2.7	156
27	Practice Recommendations for Risk-Adapted Head and Neck Cancer Radiation Therapy During the COVID-19 Pandemic: An ASTRO-ESTRO Consensus Statement. International Journal of Radiation Oncology Biology Physics, 2020, 107, 618-627.	0.8	156
28	Influence of inter-observer delineation variability on radiomics stability in different tumor sites. Acta OncolÃ³gica, 2018, 57, 1070-1074.	1.8	152
29	Doseâ€“response relationship for radiation-induced pneumonitis after pulmonary stereotactic body radiotherapy. Radiotherapy and Oncology, 2010, 97, 65-70.	0.6	147
30	Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. Radiation Oncology, 2014, 9, 226.	2.7	144
31	ICRU reportÂ91 on prescribing, recording, and reporting of stereotactic treatments with small photon beams. Strahlentherapie Und Onkologie, 2019, 195, 193-198.	2.0	143
32	Four-Dimensional Treatment Planning for Stereotactic Body Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2007, 69, 276-285.	0.8	142
33	Precision of Image-Guided Radiotherapy (IGRT) in Six Degrees of Freedom and Limitations in Clinical Practice. Strahlentherapie Und Onkologie, 2007, 183, 307-313.	2.0	133
34	ESMO consensus conference recommendations on the management of metastatic melanoma: under the auspices of the ESMO Guidelines Committee. Annals of Oncology, 2020, 31, 1435-1448.	1.2	132
35	Pulmonary injury and tumor response after stereotactic body radiotherapy (SBRT): Results of a serial follow-up CT study. Radiotherapy and Oncology, 2007, 85, 435-442.	0.6	128
36	Stereotactic body radiotherapy (SBRT) for medically inoperable lung metastasesâ€”A pooled analysis of the German working group â€œstereotactic radiotherapyâ€• Lung Cancer, 2016, 97, 51-58.	2.0	128

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37	Intra-fractional uncertainties in cone-beam CT based image-guided radiotherapy (IGRT) of pulmonary tumors. Radiotherapy and Oncology, 2007, 83, 57-64.	0.6	127
38	Doseâ€“response relationship with clinical outcome for lung stereotactic body radiotherapy (SBRT) delivered via online image guidance. Radiotherapy and Oncology, 2014, 110, 499-504.	0.6	125
39	Positioning accuracy of cone-beam computed tomography in combination with a HexaPOD robot treatment table. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1220-1228.	0.8	124
40	Comparison of PET and CT radiomics for prediction of local tumor control in head and neck squamous cell carcinoma. Acta OncolÃ³gica, 2017, 56, 1531-1536.	1.8	123
41	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases. JAMA Oncology, 2020, 6, 1028.	7.1	122
42	Modern therapeutic approaches for the treatment of malignant liverÂtumours. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 755-772.	17.8	120
43	Potential of image-guidance, gating and real-time tracking to improve accuracy in pulmonary stereotactic body radiotherapy. Radiotherapy and Oncology, 2009, 91, 288-295.	0.6	119
44	Cone-beam CT based image-guidance for extracranial stereotactic radiotherapy of intrapulmonary tumors. Acta OncolÃ³gica, 2006, 45, 897-906.	1.8	117
45	Dose to heart substructures is associated with non-cancer death after SBRT in stage Iâ€“II NSCLC patients. Radiotherapy and Oncology, 2017, 123, 370-375.	0.6	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. BMC Cancer, 2018, 18, 283.	2.6	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 cancerâ€”The ETOP NICOLAS trial. Lung Cancer, 2019, 133, 83-87.	2.0	113
48	Development and validation of a radiomic signature to predict HPV (p16) status from standard CT imaging: a multicenter study. British Journal of Radiology, 2018, 91, 20170498.	2.2	109
49	Is a Single Respiratory Correlated 4D-CT Study Sufficient for Evaluation of Breathing Motion?. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1352-1359.	0.8	108
50	Potential of Adaptive Radiotherapy to Escalate the Radiation Dose in Combined Radiochemotherapy for Locally Advanced Nonâ€“Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2011, 79, 901-908.	0.8	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?. Journal of Thoracic Oncology, 2012, 7, 542-551.	1.1	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. Radiotherapy and Oncology, 2013, 109, 13-20.	0.6	103
53	Local tumor control probability modeling of primary and secondary lung tumors in stereotactic body radiotherapy. Radiotherapy and Oncology, 2016, 118, 485-491.	0.6	101
54	Vertebral compression fractures after stereotactic body radiation therapy: a large, multi-institutional, multinational evaluation. Journal of Neurosurgery: Spine, 2016, 24, 928-936.	1.7	100

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55	Stereotactic body radiotherapy for liver tumors. Strahlentherapie Und Onkologie, 2014, 190, 872-881.	2.0	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. Journal of Clinical Oncology, 2015, 33, 4158-4166.	1.6	99
57	LungTech, an EORTC Phase II trial of stereotactic body radiotherapy for centrally located lung tumours: a clinical perspective. British Journal of Radiology, 2015, 88, 20150036.	2.2	96
58	Definition and quality requirements for stereotactic radiotherapy: consensus statement from the DEGRO/DGMP Working Group Stereotactic Radiotherapy and Radiosurgery. Strahlentherapie Und Onkologie, 2020, 196, 417-420.	2.0	96
59	Evaluation of an automated knowledge based treatment planning system for head and neck. Radiation Oncology, 2015, 10, 226.	2.7	94
60	Transcriptome Analysis of Neisseria meningitidis during Infection. Journal of Bacteriology, 2003, 185, 155-164.	2.2	93
61	Differential DNA repair pathway choice in cancer cells after proton- and photon-irradiation. Radiotherapy and Oncology, 2015, 116, 374-380.	0.6	92
62	Tumor tracking and motion compensation with an adaptive tumor tracking system (ATTS): System description and prototype testing. Medical Physics, 2008, 35, 3911-3921.	3.0	90
63	Post-radiochemotherapy PET radiomics in head and neck cancer â€“ The influence of radiomics implementation on the reproducibility of local control tumor models. Radiotherapy and Oncology, 2017, 125, 385-391.	0.6	89
64	Accuracy and inter-observer variability of 3D versus 4D cone-beam CT based image-guidance in SBRT for lung tumors. Radiation Oncology, 2012, 7, 81.	2.7	88
65	Dosimetric consequences of translational and rotational errors in frame-less image-guided radiosurgery. Radiation Oncology, 2012, 7, 63.	2.7	88
66	Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey. Journal of Neurosurgery: Spine, 2017, 26, 299-306.	1.7	88
67	Stereotactic body radiotherapy for oligo-metastatic liver disease â€“ Influence of pre-treatment chemotherapy and histology on local tumor control. Radiotherapy and Oncology, 2017, 123, 227-233.	0.6	85
68	Intensity-Modulated Radiotherapy (IMRT) of Localized Prostate Cancer. Strahlentherapie Und Onkologie, 2007, 183, 57-62.	2.0	84
69	Image-Guided Radiotherapy for Liver Cancer Using Respiratory-Correlated Computed Tomography and Cone-Beam Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2008, 71, 297-304.	0.8	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. Radiotherapy and Oncology, 2016, 119, 159-165.	0.6	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). Journal of Thoracic Oncology, 2021, 16, 278-288.	1.1	82
72	Stereotactic body radiotherapy for local boost irradiation in unfavourable locally recurrent gynaecological cancer. Radiotherapy and Oncology, 2010, 94, 53-59.	0.6	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. Radiation Oncology, 2012, 7, 90.	2.7	78
74	Re-irradiation stereotactic body radiotherapy for spinal metastases: a multi-institutional outcome analysis. Journal of Neurosurgery: Spine, 2016, 25, 646-653.	1.7	72
75	Clinical performance of 68Ga-PSMA-11 PET/MRI for the detection of recurrent prostate cancer following radical prostatectomy. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 20-30.	6.4	72
76	Precision required for dose-escalated treatment of spinal metastases and implications for image-guided radiation therapy (IGRT). Radiotherapy and Oncology, 2007, 84, 56-63.	0.6	71
77	Radiomics, Tumor Volume, and Blood Biomarkers for Early Prediction of Pseudoprogression in Patients with Metastatic Melanoma Treated with Immune Checkpoint Inhibition. Clinical Cancer Research, 2020, 26, 4414-4425.	7.0	70
78	ESMO consensus conference recommendations on the management of locoregional melanoma: under the auspices of the ESMO Guidelines Committee. Annals of Oncology, 2020, 31, 1449-1461.	1.2	69
79	Feasibility Study for Markerless Tracking of Lung Tumors in Stereotactic Body Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, 618-627.	0.8	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. BMC Cancer, 2019, 19, 173.	2.6	68
81	Stereotactic body radiation therapy in the re-irradiation situation â€“ a review. Radiation Oncology, 2013, 8, 7.	2.7	66
82	Reliability of the Bony Anatomy in Image-Guided Stereotactic Radiotherapy of Brain Metastases. International Journal of Radiation Oncology Biology Physics, 2007, 69, 294-301.	0.8	65
83	Adaptive Radiotherapy for Locally Advanced Nonâ€“Small-Cell Lung Cancer Does Not Underdose the Microscopic Disease and has the Potential to Increase Tumor Control. International Journal of Radiation Oncology Biology Physics, 2011, 81, e275-e282.	0.8	65
84	PEACE V â€“ Salvage Treatment of OligoRecurrent nodal prostate cancer Metastases (STORM): a study protocol for a randomized controlled phase II trial. BMC Cancer, 2020, 20, 406.	2.6	64
85	Dose-intensified Versus Conventional-dose Salvage Radiotherapy for Biochemically Recurrent Prostate Cancer After Prostatectomy: The SAKK 09/10 Randomized Phase 3 Trial. European Urology, 2021, 80, 306-315.	1.9	64
86	Intensity-Modulated Radiotherapy for Lung Cancer: Current Status and Future Developments. Journal of Thoracic Oncology, 2014, 9, 1598-1608.	1.1	63
87	Image guidance in radiation therapy for better cure of cancer. Molecular Oncology, 2020, 14, 1470-1491.	4.6	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). Annals of Oncology, 2019, 30, 161-165.	1.2	60
89	Technologyâ€driven research for radiotherapy innovation. Molecular Oncology, 2020, 14, 1500-1513.	4.6	60
90	Nonrigid Patient Setup Errors in the Head-and-Neck Region. Strahlentherapie Und Onkologie, 2007, 183, 506-511.	2.0	59

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91	First magnetic resonance imaging-guided cardiac radioablation of sustained ventricular tachycardia. Radiotherapy and Oncology, 2020, 152, 203-207.	0.6	59
92	Toxicity after Intensity-Modulated, Image-Guided Radiotherapy for Prostate Cancer. Strahlentherapie Und Onkologie, 2010, 186, 535-543.	2.0	58
93	CT radiomics and PET radiomics: ready for clinical implementation?. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2019, 63, 355-370.	0.7	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. International Journal of Radiation Oncology Biology Physics, 2012, 84, e379-e384.	0.8	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. International Journal of Radiation Oncology Biology Physics, 2013, 85, 1074-1081.	0.8	57
96	Hypofractionated radiotherapy for prostate cancer. Radiation Oncology, 2014, 9, 275.	2.7	56
97	Nomogram based overall survival prediction in stereotactic body radiotherapy for oligo-metastatic lung disease. Radiotherapy and Oncology, 2017, 123, 182-188.	0.6	55
98	Support Vector Machine-Based Prediction of Local Tumor Control After Stereotactic Body Radiation Therapy for Early-Stage Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2014, 88, 732-738.	0.8	54
99	Stereotactic body radiotherapy for centrally located stageÂI NSCLC. Strahlentherapie Und Onkologie, 2015, 191, 125-132.	2.0	52
100	Respiratory motion-management in stereotactic body radiation therapy for lung cancer â€“ A dosimetric comparison in an anthropomorphic lung phantom (LuCa). Radiotherapy and Oncology, 2016, 121, 328-334.	0.6	52
101	Intra-fractional uncertainties in image-guided intensity-modulated radiotherapy (IMRT) of prostate cancer. Strahlentherapie Und Onkologie, 2008, 184, 668-673.	2.0	51
102	LINAC based stereotactic radiosurgery for multiple brain metastases: guidance for clinical implementation. Acta OncolÃ³gica, 2019, 58, 1275-1282.	1.8	50
103	First statement on preparation for the COVID-19 pandemic in large German Speaking University-based radiation oncology departments. Radiation Oncology, 2020, 15, 74.	2.7	50
104	SBRT for oligoprogressive oncogene addicted NSCLC. Lung Cancer, 2017, 106, 50-57.	2.0	49
105	Longitudinal PET imaging of tumor hypoxia during the course of radiotherapy. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2201-2217.	6.4	47
106	Radiation Fractionation Schedules Published During the COVID-19 Pandemic: A Systematic Review of the Quality of Evidence and Recommendations for Future Development. International Journal of Radiation Oncology Biology Physics, 2020, 108, 379-389.	0.8	47
107	Privacy-preserving distributed learning of radiomics to predict overall survival and HPV status in head and neck cancer. Scientific Reports, 2020, 10, 4542.	3.3	46
108	ITV, mid-ventilation, gating or couch tracking â€“ A comparison of respiratory motion-management techniques based on 4D dose calculations. Radiotherapy and Oncology, 2017, 124, 80-88.	0.6	45

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109	Evolution of treatment strategies for oligometastatic NSCLC patients â€“ A systematic review of the literature. Cancer Treatment Reviews, 2019, 80, 101892.	7.7	45
110	Late small bowel toxicity after adjuvant treatment for rectal cancer. International Journal of Colorectal Disease, 2006, 21, 209-220.	2.2	44
111	Report of an abscopal effect induced by stereotactic body radiotherapy and nivolumab in a patient with metastatic non-small cell lung cancer. Radiation Oncology, 2018, 13, 102.	2.7	44
112	Stereotactic body radiotherapy dose and its impact on local control and overall survival of patients for locally advanced intrahepatic and extrahepatic cholangiocarcinoma. Radiotherapy and Oncology, 2019, 132, 42-47.	0.6	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. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 889-900.	6.4	44
114	Feasibility and Usability Aspects of Continuous Remote Monitoring of Health Status in Palliative Cancer Patients Using Wearables. Oncology, 2020, 98, 386-395.	1.9	44
115	Planning benchmark study for SBRT of early stage NSCLC. Strahlentherapie Und Onkologie, 2017, 193, 780-790.	2.0	44
116	Transcriptome-based antigen identification for Neisseria meningitidis. Vaccine, 2003, 21, 768-775.	3.8	43
117	33, 1275-1280.	3.0	43
118	Clinical practice of image-guided spine radiosurgery - results from an international research consortium. Radiation Oncology, 2011, 6, 172.	2.7	43
119	Stability of radiomic features in CT perfusion maps. Physics in Medicine and Biology, 2016, 61, 8736-8749.	3.0	43
120	Stereotactic body radiotherapy (SBRT) for pulmonary metastases from renal cell carcinomaâ€”a multicenter analysis of the German working group â€œStereotactic Radiotherapyâ€. Journal of Thoracic Disease, 2017, 9, 4512-4522.	1.4	43
121	Influence of Institutional Experience and Technological Advances on Outcome of Stereotactic Body Radiation Therapy for Oligometastatic Lung Disease. International Journal of Radiation Oncology Biology Physics, 2017, 98, 511-520.	0.8	42
122	Combined CT radiomics of primary tumor and metastatic lymph nodes improves prediction of loco-regional control in head and neck cancer. Scientific Reports, 2019, 9, 15198.	3.3	42
123	Single fraction urethra-sparing prostate cancer SBRT: Phase I results of the ONE SHOT trial. Radiotherapy and Oncology, 2019, 139, 83-86.	0.6	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. International Journal of Radiation Oncology Biology Physics, 2020, 107, 579-586.	0.8	40
125	Practice Recommendations for Lung Cancer Radiotherapy During the COVID-19 Pandemic: An ESTRO-ASTRO Consensus Statement. International Journal of Radiation Oncology Biology Physics, 2020, 107, 631-640.	0.8	40
126	Definition of oligometastatic esophagogastric cancer and impact of local oligometastasis-directed treatment: AÂsystematic review and meta-analysis. European Journal of Cancer, 2022, 166, 254-269.	2.8	40

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127	Influence of retrospective sorting on image quality in respiratory correlated computed tomography. Radiotherapy and Oncology, 2007, 85, 223-231.	0.6	39
128	Detection Rate and Localization of Prostate Cancer Recurrence Using ⁶⁸Ga-PSMA-11 PET/MRI in Patients with Low PSA Values â‰¤ 0.5 ng/mL. Journal of Nuclear Medicine, 2020, 61, 194-201.	5.0	39
129	Effect of Breathing Motion in Radiotherapy of Breast Cancer. Strahlentherapie Und Onkologie, 2009, 185, 425-430.	2.0	38
130	Stereotactic Radiosurgery for Multiple Brain Metastases. Current Treatment Options in Neurology, 2019, 21, 6.	1.8	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. International Journal of Radiation Oncology Biology Physics, 2016, 96, 134-141.	0.8	37
132	Spinal metastases: Is stereotactic body radiation therapy supported by evidences?. Critical Reviews in Oncology/Hematology, 2016, 98, 147-158.	4.4	37
133	Mobile Health Technologies for Continuous Monitoring of Cancer Patients in Palliative Care Aiming to Predict Health Status Deterioration: A Feasibility Study. Journal of Palliative Medicine, 2020, 23, 678-685.	1.1	37
134	Analysis of the Heat Shock Response of Neisseria meningitidis with cDNA- and Oligonucleotide-Based DNA Microarrays. Journal of Bacteriology, 2002, 184, 2546-2551.	2.2	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. International Journal of Radiation Oncology Biology Physics, 2013, 85, 237-242.	0.8	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. Radiotherapy and Oncology, 2018, 127, 246-252.	0.6	36
137	Treatment plan quality during online adaptive re-planning. Radiation Oncology, 2020, 15, 203.	2.7	36
138	The updated Swiss guidelines 2016 for the treatment and follow-up of cutaneous melanoma. Swiss Medical Weekly, 2016, 146, w14279.	1.6	35
139	Motion Compensation in Radiotherapy. Critical Reviews in Biomedical Engineering, 2012, 40, 187-197.	0.9	34
140	PSMA-PET based radiotherapy: a review of initial experiences, survey on current practice and future perspectives. Radiation Oncology, 2018, 13, 90.	2.7	34
141	Prostate-specific Membrane Antigen Positron Emission Tomographyâ€“detected Oligorecurrent Prostate Cancer Treated with Metastases-directed Radiotherapy: Role of Addition and Duration of Androgen Deprivation. European Urology Focus, 2021, 7, 309-316.	3.1	34
142	Does Intensity Modulated Radiation Therapy (IMRT) prevent additional toxicity of treating the pelvic lymph nodes compared to treatment of the prostate only?. Radiation Oncology, 2008, 3, 3.	2.7	33
143	Combining advanced radiotherapy technologies to maximize safety and tumor control probability in stageÂIII non-small cell lung cancer. Strahlentherapie Und Onkologie, 2012, 188, 894-900.	2.0	33
144	Long-term Follow-up and Patterns of Recurrence of Patients With Oligometastatic NSCLC Treated With Pulmonary SBRT. Clinical Lung Cancer, 2019, 20, e667-e677.	2.6	33

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145	Lungtech, a phase II EORTC trial of SBRT for centrally located lung tumours â€“ a clinical physics perspective. Radiation Oncology, 2016, 11, 7.	2.7	32
146	Optimal imaging surveillance after stereotactic ablative radiation therapy for early-stage non-small cell lung cancer: Findings of an International Delphi Consensus Study. Practical Radiation Oncology, 2018, 8, e71-e78.	2.1	32
147	Repeated Courses of Radiosurgery for New Brain Metastases to Defer Whole Brain Radiotherapy: Feasibility and Outcome With Validation of the New Prognostic Metric Brain Metastasis Velocity. Frontiers in Oncology, 2018, 8, 551.	2.8	32
148	Moderately hypofractionated radiotherapy for localized prostate cancer. Strahlentherapie Und Onkologie, 2014, 190, 48-53.	2.0	31
149	Target delineation variability and corresponding margins of peripheral early stage NSCLC treated with stereotactic body radiotherapy. Radiotherapy and Oncology, 2015, 114, 361-366.	0.6	31
150	Improved plan quality with automated radiotherapy planning for whole brain with hippocampus sparing: a comparison to the RTOG 0933 trial. Radiation Oncology, 2017, 12, 161.	2.7	31
151	Stereotactic Body Radiation Therapy as an Alternative Treatment for Patients with Hepatocellular Carcinoma Compared to Sorafenib: A Propensity Score Analysis. Liver Cancer, 2019, 8, 281-294.	7.7	31
152	Planning comparison of five automated treatment planning solutions for locally advanced head and neck cancer. Radiation Oncology, 2018, 13, 170.	2.7	30
153	The evolution and rise of stereotactic body radiotherapy (SBRT) for spinal metastases. Expert Review of Anticancer Therapy, 2018, 18, 887-900.	2.4	30
154	Is there a role for stereotactic radiotherapy in the treatment of renal cell carcinoma?. Clinical and Translational Radiation Oncology, 2019, 18, 104-112.	1.7	30
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