

Volker Rudat

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.

94
papers

5,064
citations

34
h-index

70
g-index

114
ext. papers

5,617
ext. citations

2.7
avg, IF

4.67
L-index

#	Paper	IF	Citations
94	Prognostic value of tumor oxygenation in 397 head and neck tumors after primary radiation therapy. An international multi-center study. <i>Radiotherapy and Oncology</i> , 2005 , 77, 18-24	5.3	777
93	Phase III randomized trial of amifostine as a radioprotector in head and neck cancer. <i>Journal of Clinical Oncology</i> , 2000 , 18, 3339-45	2.2	668
92	Intensified hyperfractionated accelerated radiotherapy limits the additional benefit of simultaneous chemotherapy--results of a multicentric randomized German trial in advanced head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 50, 1161-71	4	304
91	Evaluation of five radiation schedules and prognostic factors for metastatic spinal cord compression. <i>Journal of Clinical Oncology</i> , 2005 , 23, 3366-75	2.2	267
90	Prognostic factors for local control and survival after radiotherapy of metastatic spinal cord compression. <i>Journal of Clinical Oncology</i> , 2006 , 24, 3388-93	2.2	252
89	Combined error of patient positioning variability and prostate motion uncertainty in 3D conformal radiotherapy of localized prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 1996 , 35, 1027-34	4	140
88	Final results of a prospective study comparing the local control of short-course and long-course radiotherapy for metastatic spinal cord compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 524-30	4	139
87	Matched pair analysis comparing surgery followed by radiotherapy and radiotherapy alone for metastatic spinal cord compression. <i>Journal of Clinical Oncology</i> , 2010 , 28, 3597-604	2.2	119
86	Evaluation of salivary gland function after treatment of head-and-neck tumors with intensity-modulated radiotherapy by quantitative technetate scintigraphy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 58, 175-84	4	115
85	Is there a life-long risk of brachial plexopathy after radiotherapy of supraclavicular lymph nodes in breast cancer patients?. <i>Radiotherapy and Oncology</i> , 2004 , 71, 297-301	5.3	101
84	Repeatability and prognostic impact of the pretreatment pO ₂ histography in patients with advanced head and neck cancer. <i>Radiotherapy and Oncology</i> , 2000 , 57, 31-7	5.3	83
83	Preliminary results of spinal cord compression recurrence evaluation (score-1) study comparing short-course versus long-course radiotherapy for local control of malignant epidural spinal cord compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 228-34	4	82
82	Outcome after radiotherapy alone for metastatic spinal cord compression in patients with oligometastases. <i>Journal of Clinical Oncology</i> , 2007 , 25, 50-6	2.2	74
81	Efficacy of intensified hyperfractionated and accelerated radiotherapy and concurrent chemotherapy with carboplatin and 5-fluorouracil: updated results of a randomized multicentric trial in advanced head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 1308-16	4	71
80	Radiotherapy With 4 Gy \times 5 Versus 3 Gy \times 10 for Metastatic Epidural Spinal Cord Compression: Final Results of the SCORE-2 Trial (ARO 2009/01). <i>Journal of Clinical Oncology</i> , 2016 , 34, 597-602	2.2	68
79	Predictive value of the tumor oxygenation by means of pO ₂ histography in patients with advanced head and neck cancer. <i>Strahlentherapie Und Onkologie</i> , 2001 , 177, 462-8	4.3	67
78	Surgery followed by radiotherapy versus radiotherapy alone for metastatic spinal cord compression from unfavorable tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 81, e861-8	4	65

77	A score predicting posttreatment ambulatory status in patients irradiated for metastatic spinal cord compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 72, 905-8	4	65
76	Prognostic factors for functional outcome and survival after reirradiation for in-field recurrences of metastatic spinal cord compression. <i>Cancer</i> , 2008 , 113, 1090-6	6.4	64
75	Changes in salivary gland function after radiotherapy of head and neck tumors measured by quantitative pertechnetate scintigraphy: comparison of intensity-modulated radiotherapy and conventional radiation therapy with and without Amifostine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 651-9	4	59
74	Influence of the positioning error on 3D conformal dose distributions during fractionated radiotherapy. <i>Radiotherapy and Oncology</i> , 1994 , 33, 56-63	5.3	58
73	Dose escalation of radiotherapy for metastatic spinal cord compression (MSCC) in patients with relatively favorable survival prognosis. <i>Strahlentherapie Und Onkologie</i> , 2011 , 187, 729-35	4.3	55
72	Prognostic factors predicting functional outcomes, recurrence-free survival, and overall survival after radiotherapy for metastatic spinal cord compression in breast cancer patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 182-8	4	54
71	Tangential beam IMRT versus tangential beam 3D-CRT of the chest wall in postmastectomy breast cancer patients: a dosimetric comparison. <i>Radiation Oncology</i> , 2011 , 6, 26	4.2	51
70	Is there a dose-effect relationship for the treatment of symptomatic vertebral hemangioma?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 178-81	4	50
69	Prognostic impact of total tumor volume and hemoglobin concentration on the outcome of patients with advanced head and neck cancer after concomitant boost radiochemotherapy. <i>Radiotherapy and Oncology</i> , 1999 , 53, 119-25	5.3	49
68	Protective effect of amifostine on dental health after radiotherapy of the head and neck. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000 , 48, 1339-43	4	43
67	Neoadjuvant capecitabine combined with standard radiotherapy in patients with locally advanced rectal cancer: mature results of a phase II trial. <i>Strahlentherapie Und Onkologie</i> , 2008 , 184, 450-6	4.3	42
66	In vitro radiosensitivity of primary human fibroblasts. Lack of correlation with acute radiation toxicity in patients with head and neck cancer. <i>Radiotherapy and Oncology</i> , 1997 , 43, 181-8	5.3	40
65	The effect of amifostine or IMRT to preserve the parotid function after radiotherapy of the head and neck region measured by quantitative salivary gland scintigraphy. <i>Radiotherapy and Oncology</i> , 2008 , 89, 71-80	5.3	40
64	Evaluation of functional outcome and local control after radiotherapy for metastatic spinal cord compression in patients with prostate cancer. <i>Journal of Urology</i> , 2006 , 175, 552-6	2.5	40
63	Induction chemotherapy with paclitaxel and cisplatin followed by radiotherapy for larynx organ preservation in advanced laryngeal and hypopharyngeal cancer offers moderate late toxicity outcome (DeLOS-I-trial). <i>European Archives of Oto-Rhino-Laryngology</i> , 2009 , 266, 1291-300	3.5	38
62	Escalation of radiation dose beyond 30 Gy in 10 fractions for metastatic spinal cord compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 525-31	4	37
61	Validation of a score predicting post-treatment ambulatory status after radiotherapy for metastatic spinal cord compression. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 79, 1503-6	4	35
60	Radiotherapy of metastatic spinal cord compression in very elderly patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 256-63	4	34

59	Acute and late toxicity, tumour control and intrinsic radiosensitivity of primary fibroblasts in vitro of patients with advanced head and neck cancer after concomitant boost radiochemotherapy. <i>Radiotherapy and Oncology</i> , 1999 , 53, 233-45	5.3	34
58	Functional outcome and survival after radiotherapy of metastatic spinal cord compression in patients with cancer of unknown primary. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007 , 67, 532-7	4	33
57	Radiotherapy for oligometastatic disease in patients with spinal cord compression (MSCC) from relatively radioresistant tumors. <i>Strahlentherapie Und Onkologie</i> , 2010 , 186, 218-23	4.3	29
56	Metastatic spinal cord compression in non-small cell lung cancer patients. Prognostic factors in a series of 356 patients. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 472-6	4.3	28
55	Overexpression of the DNA-binding domain of poly(ADP-ribose) polymerase inhibits rejoining of ionizing radiation-induced DNA double-strand breaks. <i>International Journal of Radiation Biology</i> , 2001 , 77, 303-7	2.9	26
54	Ultrasound image properties influenced by abdominal wall thickness and composition. <i>Journal of Clinical Ultrasound</i> , 1993 , 21, 423-9	1	26
53	A survival score for patients with metastatic spinal cord compression from prostate cancer. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 802-6	4.3	25
52	Image-guided intensity-modulated radiotherapy of prostate cancer: Analysis of interfractional errors and acute toxicity. <i>Strahlentherapie Und Onkologie</i> , 2016 , 192, 109-17	4.3	23
51	Prognostic relevance of serum levels of the angiogenic peptide bFGF in advanced carcinoma of the head and neck treated by primary radiochemotherapy. <i>Head and Neck</i> , 2000 , 22, 666-73	4.2	23
50	Dose escalation for metastatic spinal cord compression in patients with relatively radioresistant tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1492-7	4	22
49	Trans-dominant inhibition of poly(ADP-ribosyl)ation leads to decreased recovery from ionizing radiation-induced cell killing. <i>International Journal of Radiation Biology</i> , 1998 , 73, 325-30	2.9	21
48	Prognostic impact of reoxygenation in advanced cancer of the head and neck during the initial course of chemoradiation or radiotherapy alone. <i>Head and Neck</i> , 2003 , 25, 50-8	4.2	21
47	Oxygenation of advanced head and neck cancer: prognostic marker for the response to primary radiochemotherapy. <i>Otolaryngology - Head and Neck Surgery</i> , 2000 , 122, 856-62	5.5	20
46	Impact of the frequency of online verifications on the patient set-up accuracy and set-up margins. <i>Radiation Oncology</i> , 2011 , 6, 101	4.2	19
45	Prognostic significance of color Doppler findings in head and neck tumors. <i>Ultrasound in Medicine and Biology</i> , 1997 , 23, 1311-7	3.5	19
44	Prognostic factors for different outcomes in patients with metastatic spinal cord compression from cancer of unknown primary. <i>BMC Cancer</i> , 2012 , 12, 261	4.8	18
43	Do elderly patients benefit from surgery in addition to radiotherapy for treatment of metastatic spinal cord compression?. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 424-30	4.3	18
42	Prognostic factors in a series of 504 breast cancer patients with metastatic spinal cord compression. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 340-5	4.3	18

41	Is short-course radiotherapy with high doses per fraction the appropriate regimen for metastatic spinal cord compression in colorectal cancer patients?. <i>Strahlentherapie Und Onkologie</i> , 2006 , 182, 708-12	4.3	18
40	Identification of breast cancer patients with a high risk of developing brain metastases: a single-institutional retrospective analysis. <i>BMC Cancer</i> , 2014 , 14, 289	4.8	16
39	Prognostic factors and a survival score for patients with metastatic spinal cord compression from colorectal cancer. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 1114-8	4.3	16
38	Better compliance with hypofractionation vs. conventional fractionation in adjuvant breast cancer radiotherapy : Results of a single, institutional, retrospective study. <i>Strahlentherapie Und Onkologie</i> , 2017 , 193, 375-384	4.3	15
37	Single-Fraction Versus 5-Fraction Radiation Therapy for Metastatic Epidural Spinal Cord Compression in Patients With Limited Survival Prognoses: Results of a Matched-Pair Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 368-72	4	15
36	Comparison of radiochemotherapy alone to surgery plus radio(chemo)therapy for non-metastatic stage III/IV squamous cell carcinoma of the head and neck: A matched-pair analysis. <i>Strahlentherapie Und Onkologie</i> , 2011 , 187, 541-7	4.3	15
35	Prognostic assessment of sonography and tumor volumetry in advanced cancer of the head and neck by use of doppler ultrasonography. <i>Otolaryngology - Head and Neck Surgery</i> , 2000 , 122, 596-601	5.5	14
34	Excellent outcomes after radiotherapy alone for malignant spinal cord compression from myeloma. <i>Radiology and Oncology</i> , 2016 , 50, 337-40	3.8	14
33	Role of multimodal treatment in oropharynx, larynx, and hypopharynx cancer. <i>Journal of Surgical Oncology</i> , 2001 , 20, 66-74		13
32	In vivo surface dose measurement using GafChromic film dosimetry in breast cancer radiotherapy: comparison of 7-field IMRT, tangential IMRT and tangential 3D-CRT. <i>Radiation Oncology</i> , 2014 , 9, 156	4.2	12
31	Impact of zoledronic acid on control of metastatic spinal cord compression. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 910-6	4.3	12
30	Predictive value of the flow cytometric PCNA assay (proliferating cell nuclear antigen) in head and neck tumors after accelerated-hyperfractionated radiochemotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 1997 , 37, 771-6	4	12
29	Alteration of radiation-induced hematotoxicity by amifostine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 51, 947-51	4	12
28	Long-term results of a prospective multicenter phase II study to preserve the larynx function using concomitant boost radiochemotherapy with Carboplatin. <i>Radiotherapy and Oncology</i> , 2008 , 89, 33-7	5.3	11
27	Epoetin-alpha during radiotherapy for stage III esophageal carcinoma. <i>Cancer</i> , 2005 , 103, 2274-9	6.4	11
26	Radiosurgery with 20 Gy provides better local control of 1-3 brain metastases from breast cancer than with lower doses. <i>Anticancer Research</i> , 2015 , 35, 333-6	2.3	11
25	Stereotactic Body Radiotherapy (SBRT) with Lower Doses for Selected Patients with Stage I Non-small-cell Lung Cancer (NSCLC). <i>Lung</i> , 2016 , 194, 291-4	2.9	10
24	Age of 40 years or younger is an independent risk factor for locoregional failure in early breast cancer: a single-institutional analysis in Saudi Arabia. <i>Journal of Oncology</i> , 2012 , 2012, 370385	4.5	10

23	Intensity modulated radiotherapy of upper abdominal malignancies: dosimetric comparison with 3D conformal radiotherapy and acute toxicity. <i>Radiation Oncology</i> , 2013 , 8, 207	4.2	9
22	Pretreatment evaluation of carcinomas of the hypopharynx and larynx with 18F-fluorodeoxyglucose, 123I-alpha-methyl-L-tyrosine and 99mTc-hexakis-2-methoxyisobutylisonitrile. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002 , 29, 324-30	8.8	9
21	Prognostic factors for local control and survival in patients with spinal cord compression from myeloma. <i>Strahlentherapie Und Onkologie</i> , 2012 , 188, 628-31	4.3	8
20	Prognostic assessment of sonography and tumor volumetry in advanced cancer of the head and neck by use of Doppler ultrasonography?. <i>Otolaryngology - Head and Neck Surgery</i> , 2000 , 122, 596-601	5.5	8
19	Stereotactic Body Radiation Therapy (SBRT) for Recurrent Non-small Cell Lung Cancer (NSCLC). <i>Anticancer Research</i> , 2016 , 36, 825-8	2.3	7
18	1x8 Gy versus 5x4 Gy for metastatic epidural spinal cord compression: a matched-pair study of three prognostic patient subgroups. <i>Radiation Oncology</i> , 2018 , 13, 21	4.2	6
17	A validated score estimating ambulatory status following radiotherapy of elderly patients for metastatic spinal cord compression. <i>BMC Cancer</i> , 2014 , 14, 589	4.8	6
16	Impact of hypofractionation and tangential beam IMRT on the acute skin reaction in adjuvant breast cancer radiotherapy. <i>Radiation Oncology</i> , 2016 , 11, 100	4.2	6
15	Rise of oxygenation in cervical lymph node metastasis during the initial course of radiochemotherapy. <i>Otolaryngology - Head and Neck Surgery</i> , 1999 , 121, 789-96	5.5	5
14	Predicting Survival After Irradiation for Brain Metastases from Head and Neck Cancer. <i>In Vivo</i> , 2015 , 29, 525-8	2.3	5
13	A scoring system for predicting the survival prognosis of patients receiving stereotactic body radiation therapy (SBRT) for 1-3 lung metastases. <i>Lung</i> , 2016 , 194, 631-5	2.9	4
12	Body Mass Index and Breast Cancer Risk: A Retrospective Multi-Institutional Analysis in Saudi Arabia. <i>Advances in Breast Cancer Research</i> , 2013 , 02, 7-10	0.1	4
11	Results of a multicenter study investigating the potential impact of the overall treatment time on outcomes of radiation therapy alone with 5x Gy for metastatic epidural spinal cord compression. <i>Practical Radiation Oncology</i> , 2017 , 7, 137-144	2.8	3
10	Motor function and survival following radiotherapy alone for metastatic epidural spinal cord compression in melanoma patients. <i>Journal of Dermatology</i> , 2014 , 41, 1082-6	1.6	3
9	A matched-pair analysis comparing 5x4 Gy and 10x3 Gy for metastatic spinal cord compression (MSCC) in patients with favorable survival prognoses. <i>Radiation Oncology</i> , 2015 , 10, 90	4.2	2
8	Definitive Radiotherapy versus Postoperative Radiotherapy of Patients with Oro- and Hypopharyngeal Cancer: Impact of Prognostic Factors. <i>Journal of Oncology</i> , 2012 , 2012, 391917	4.5	2
7	Comparison of Two Radiotherapy Regimens for Metastatic Spinal Cord Compression: Subgroup Analyses from a Randomized Trial. <i>Anticancer Research</i> , 2018 , 38, 1009-1015	2.3	2
6	Depletion of androgen receptor (AR) in mesenchymal stem cells (MSCs) inhibits induction of CD4+CD25+FOXP3+ regulatory T (Treg) cells via androgen TGF- β interaction. <i>Journal of Applied Biomedicine</i> , 2015 , 13, 263-271	0.6	1

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| 5 | Role of the overall treatment time of radiotherapy with 100Bq for outcomes in patients with metastatic spinal cord compression. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017 , 61, 388-393 ¹⁷ | | 1 |
| 4 | Long-term effect and prognostic factors of a low-dose radiotherapy of painful plantar calcaneal spurs : A retrospective unicenter study. <i>Strahlentherapie Und Onkologie</i> , 2021 , 197, 876-884 | 4.3 | 1 |
| 3 | Prognostic relevance of serum levels of the angiogenic peptide bFGF in advanced carcinoma of the head and neck treated by primary radiochemotherapy 2000 , 22, 666 | | 1 |
| 2 | Stereotactic Body Radiotherapy Provides Excellent Long-Term Local Control of Very Few Lung Metastases. <i>In Vivo</i> , 2016 , 30, 155-7 | 2.3 | 1 |
| 1 | Radiation Therapy Alone Provides Excellent Outcomes for Spinal Cord Compression from Vertebral Lymphoma. <i>Anticancer Research</i> , 2016 , 36, 3081-3 | 2.3 | 1 |