

Lucas J A Stalpers

List of Publications by Year in descending order

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66
papers

2,763
citations

172457

29
h-index

182427

51
g-index

68
all docs

68
docs citations

68
times ranked

3315
citing authors

#	ARTICLE	IF	CITATIONS
1	The alfa and beta of tumours: a review of parameters of the linear-quadratic model, derived from clinical radiotherapy studies. <i>Radiation Oncology</i> , 2018, 13, 96.	2.7	301
2	Impaired survival and long-term neurological problems in benign meningioma. <i>Neuro-Oncology</i> , 2012, 14, 658-666.	1.2	195
3	Long-Term Improvement in Treatment Outcome After Radiotherapy and Hyperthermia in Locoregionally Advanced Cervix Cancer: An Update of the Dutch Deep Hyperthermia Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 1176-1182.	0.8	165
4	Analysis of Gene Expression Using Gene Sets Discriminates Cancer Patients with and without Late Radiation Toxicity. <i>PLoS Medicine</i> , 2006, 3, e422.	8.4	117
5	Outcome After Radiotherapy Alone for Metastatic Spinal Cord Compression in Patients With Oligometastases. <i>Journal of Clinical Oncology</i> , 2007, 26, 50-56.	1.6	88
6	Cell survival and radiosensitisation: Modulation of the linear and quadratic parameters of the LQ model. <i>International Journal of Oncology</i> , 2013, 42, 1501-1515.	3.3	88
7	Bowel Perforation After Radiotherapy in a Patient Receiving Sorafenib. <i>Journal of Clinical Oncology</i> , 2008, 26, 2405-2406.	1.6	86
8	CSI-EPT: A Contrast Source Inversion Approach for Improved MRI-Based Electric Properties Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1788-1796.	8.9	86
9	Validation and simplification of a score predicting survival in patients irradiated for metastatic spinal cord compression. <i>Cancer</i> , 2010, 116, 3670-3673.	4.1	85
10	Molecular and biological rationale of hyperthermia as radio- and chemosensitizer. <i>Advanced Drug Delivery Reviews</i> , 2020, 163-164, 84-97.	13.7	81
11	Long-term cervical cancer survivors suffer from pelvic floor symptoms: A cross-sectional matched cohort study. <i>Gynecologic Oncology</i> , 2010, 117, 281-286.	1.4	75
12	Quantifying the Combined Effect of Radiation Therapy and Hyperthermia in Terms of Equivalent Dose Distributions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 739-745.	0.8	60
13	A short time interval between radiotherapy and hyperthermia reduces in-field recurrence and mortality in women with advanced cervical cancer. <i>Radiation Oncology</i> , 2017, 12, 75.	2.7	60
14	A cancer drug atlas enables synergistic targeting of independent drug vulnerabilities. <i>Nature Communications</i> , 2020, 11, 2935.	12.8	57
15	Thermoradiotherapy planning: Integration in routine clinical practice. <i>International Journal of Hyperthermia</i> , 2016, 32, 41-49.	2.5	55
16	Hyperthermia Selectively Targets Human Papillomavirus in Cervical Tumors via p53-Dependent Apoptosis. <i>Cancer Research</i> , 2015, 75, 5120-5129.	0.9	53
17	Online Adaptive Hyperthermia Treatment Planning During Locoregional Heating to Suppress Treatment-Limiting Hot Spots. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1039-1047.	0.8	51
18	<i>In vivo</i> electric conductivity of cervical cancer patients based on B_{1}^{+} maps at 3T MRI. <i>Physics in Medicine and Biology</i> , 2016, 61, 1596-1607.	3.0	46

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19	Hyperthermia treatment planning for cervical cancer patients based on electrical conductivity tissue properties acquired <i>in vivo</i> with EPT at 3 T MRI. <i>International Journal of Hyperthermia</i> , 2016, 32, 558-568.	2.5	44
20	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, 552-556.	0.4	43
21	Inhibition of homologous recombination by hyperthermia shunts early double strand break repair to non-homologous end-joining. <i>DNA Repair</i> , 2013, 12, 38-45.	2.8	42
22	Dosimetric advantages of a clinical daily adaptive plan selection strategy compared with a non-adaptive strategy in cervical cancer radiation therapy. <i>Acta Oncologica</i> , 2017, 56, 667-674.	1.8	40
23	Toward Online Adaptive Hyperthermia Treatment Planning: Correlation Between Measured and Simulated Specific Absorption Rate Changes Caused by Phase Steering in Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 438-445.	0.8	39
24	Reduced Activity of Double-Strand Break Repair Genes in Prostate Cancer Patients With Late Normal Tissue Radiation Toxicity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 664-670.	0.8	39
25	Biological modelling of the radiation dose escalation effect of regional hyperthermia in cervical cancer. <i>Radiation Oncology</i> , 2016, 11, 14.	2.7	37
26	Enhancing the abscopal effect of radiation and immune checkpoint inhibitor therapies with magnetic nanoparticle hyperthermia in a model of metastatic breast cancer. <i>International Journal of Hyperthermia</i> , 2019, 36, 47-63.	2.5	35
27	Measurement and analysis of the impact of time-interval, temperature and radiation dose on tumour cell survival and its application in thermoradiotherapy plan evaluation. <i>International Journal of Hyperthermia</i> , 2018, 34, 30-38.	2.5	34
28	On verification of hyperthermia treatment planning for cervical carcinoma patients. <i>International Journal of Hyperthermia</i> , 2007, 23, 303-314.	2.5	31
29	Two radiation regimens and prognostic factors for brain metastases in nonsmall cell lung cancer patients. <i>Cancer</i> , 2007, 110, 1077-1082.	4.1	31
30	Survival advantage combining a BRAF inhibitor and radiation in BRAF V600E-mutant glioma. <i>Journal of Neuro-Oncology</i> , 2016, 126, 385-393.	2.9	31
31	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2017, 33, 160-169.	2.5	31
32	Survival after whole brain radiotherapy for brain metastases from lung cancer and breast cancer is poor in 6325 Dutch patients treated between 2000 and 2014. <i>Acta Oncologica</i> , 2018, 57, 637-643.	1.8	29
33	Advanced patient-specific hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , 2020, 37, 992-1007.	2.5	26
34	Deep learning-based reconstruction of <i>in vivo</i> pelvis conductivity with a 3D patch-based convolutional neural network trained on simulated MR data. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2772-2787.	3.0	26
35	Radiosensitization by Hyperthermia: The Effects of Temperature, Sequence, and Time Interval in Cervical Cell Lines. <i>Cancers</i> , 2020, 12, 582.	3.7	25
36	Dosimetric advantages of proton therapy compared with photon therapy using an adaptive strategy in cervical cancer. <i>Acta Oncologica</i> , 2016, 55, 892-899.	1.8	24

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37	Feasibility of on-line temperature-based hyperthermia treatment planning to improve tumour temperatures during locoregional hyperthermia. <i>International Journal of Hyperthermia</i> , 2018, 34, 1082-1091.	2.5	24
38	Validation of existing prognostic models in patients with early-stage cervical cancer. <i>Gynecologic Oncology</i> , 2009, 115, 277-284.	1.4	23
39	Model-based, semiquantitative and time intensity curve shape analysis of dynamic contrast-enhanced MRI: A comparison in patients undergoing antiangiogenic treatment for recurrent glioma. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1303-1312.	3.4	23
40	Edward L. Kaplan and the Kaplan-Meier Survival Curve. <i>Bulletin of the British Society for the History of Mathematics</i> , 2018, 33, 109-135.	0.1	23
41	The effect of time interval between radiotherapy and hyperthermia on planned equivalent radiation dose. <i>International Journal of Hyperthermia</i> , 2018, 34, 901-909.	2.5	23
42	Accuracy and precision of electrical permittivity mapping at 3T: the impact of three mapping techniques. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3628-3642.	3.0	22
43	The role of lymph nodes in cervical cancer: incidence and identification of lymph node metastases—a literature review. <i>International Journal of Clinical Oncology</i> , 2021, 26, 1600-1610.	2.2	20
44	Predictive value of simulated SAR and temperature for changes in measured temperature after phase-amplitude steering during locoregional hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2018, 35, 330-339.	2.5	19
45	Bevacizumab in Combination With Radiotherapy and Temozolomide for Patients With Newly Diagnosed Glioblastoma Multiforme. <i>Oncologist</i> , 2015, 20, 107-108.	3.7	18
46	Enhancing radiosensitisation of BRCA2-proficient and BRCA2-deficient cell lines with hyperthermia and PARP1-inhibitors. <i>International Journal of Hyperthermia</i> , 2018, 34, 39-48.	2.5	18
47	The Impact of the Time Interval Between Radiation and Hyperthermia on Clinical Outcome in Patients With Locally Advanced Cervical Cancer. <i>Frontiers in Oncology</i> , 2019, 9, 412.	2.8	17
48	The role of hyperthermia in the treatment of locally advanced cervical cancer: a comprehensive review. <i>International Journal of Gynecological Cancer</i> , 2022, 32, 288-296.	2.5	17
49	Additive cytotoxic effect of cisplatin and X-irradiation on human glioma cell cultures derived from biopsy-tissue. <i>Journal of Cancer Research and Clinical Oncology</i> , 2000, 126, 711-716.	2.5	15
50	Generic method for automatic bladder segmentation on cone beam CT using a patient-specific bladder shape model. <i>Medical Physics</i> , 2014, 41, 031707.	3.0	15
51	Prostate Cancer Patients with Late Radiation Toxicity Exhibit Reduced Expression of Genes Involved in DNA Double-Strand Break Repair and Homologous Recombination. <i>Cancer Research</i> , 2017, 77, 1485-1491.	0.9	15
52	Enhancement of Radiation Effectiveness in Cervical Cancer Cells by Combining Ionizing Radiation with Hyperthermia and Molecular Targeting Agents. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2420.	4.1	13
53	Repair of Potentially Lethal Damage does not Depend on Functional TP53 in Human Glioblastoma Cells. <i>Radiation Research</i> , 2004, 161, 511-516.	1.5	12
54	Decay of γ -H2AX foci correlates with potentially lethal damage repair and P53 status in human colorectal carcinoma cells. <i>Cellular and Molecular Biology Letters</i> , 2014, 19, 37-51.	7.0	12

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55	Response: Commentary: The Impact of the Time Interval Between Radiation and Hyperthermia on Clinical Outcome in Patients With Locally Advanced Cervical Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 528.	2.8	12
56	B1-based SAR reconstruction using contrast source inversion—electric properties tomography (CSI-EPT). <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 225-233.	2.8	11
57	Optimal Patient Positioning (Prone Versus Supine) for VMAT in Gynecologic Cancer: A Dosimetric Study on the Effect of Different Margins. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 432-439.	0.8	10
58	Dosimetric comparison of library of plans and online MRI-guided radiotherapy of cervical cancer in the presence of intrafraction anatomical changes. <i>Radiation Oncology</i> , 2019, 14, 126.	2.7	10
59	Results of radical surgery in women with stage IB2/IIA2 cervical cancer. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2016, 95, 166-172.	2.8	9
60	Target tailoring and proton beam therapy to reduce small bowel dose in cervical cancer radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 255-263.	2.0	9
61	Prospective validation of craniocaudal tumour size on MR imaging compared to histopathology in patients with uterine cervical cancer: The MPAC study. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 9-15.	1.7	5
62	The indication area of a diagnostic test. Part I—discounting gain and loss in diagnostic certainty. <i>Journal of Clinical Epidemiology</i> , 2015, 68, 1120-1128.	5.0	4
63	Gamma-H2AX Foci Decay Ratio as a Stronger Predictive Factor of Late Radiation Toxicity Than Dose-Volume Parameters in a Prospective Cohort of Prostate Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 212-221.	0.8	4
64	A Comparison between Patient- and Physician-Reported Late Radiation Toxicity in Long-Term Prostate Cancer Survivors. <i>Cancers</i> , 2022, 14, 1670.	3.7	3
65	The indication area of a diagnostic test. Part II—the impact of test dependence, physician's decision strategy, and patient's utility. <i>Journal of Clinical Epidemiology</i> , 2015, 68, 1129-1137.	5.0	1
66	Treatment of acute radiation cystitis: reply by the authors. <i>International Urogynecology Journal</i> , 2011, 22, 1205-1205.	1.4	0