

# Johannes Crezee

## List of Publications by Citations

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180  
papers

4,697  
citations

38  
h-index

60  
g-index

203  
ext. papers

5,681  
ext. citations

3.8  
avg. IF

5.68  
L-index

#	Paper	IF	Citations
180	Local hyperthermia combined with radiotherapy and/or chemotherapy: recent advances and promises for the future. <i>Cancer Treatment Reviews</i> , <b>2015</b> , 41, 742-53	14.4	310
179	The alfa and beta of tumours: a review of parameters of the linear-quadratic model, derived from clinical radiotherapy studies. <i>Radiation Oncology</i> , <b>2018</b> , 13, 96	4.2	159
178	Effects of hyperthermia on DNA repair pathways: one treatment to inhibit them all. <i>Radiation Oncology</i> , <b>2015</b> , 10, 165	4.2	159
177	Temperature uniformity during hyperthermia: the impact of large vessels. <i>Physics in Medicine and Biology</i> , <b>1992</b> , 37, 1321-37	3.8	152
176	Hyperthermia-related clinical trials on cancer treatment within the ClinicalTrials.gov registry. <i>International Journal of Hyperthermia</i> , <b>2015</b> , 31, 609-14	3.7	138
175	Adjuvant hyperthermic intraperitoneal chemotherapy in patients with locally advanced colon cancer (COLOPEC): a multicentre, open-label, randomised trial. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2019</b> , 4, 761-770	18.8	107
174	A description of discrete vessel segments in thermal modelling of tissues. <i>Physics in Medicine and Biology</i> , <b>1996</b> , 41, 865-84	3.8	103
173	Experimental verification of bioheat transfer theories: measurement of temperature profiles around large artificial vessels in perfused tissue. <i>Physics in Medicine and Biology</i> , <b>1990</b> , 35, 905-23	3.8	100
172	Current state of the art of regional hyperthermia treatment planning: a review. <i>Radiation Oncology</i> , <b>2015</b> , 10, 196	4.2	97
171	Treatment and prognostic factors of radiation-associated angiosarcoma (RAAS) after primary breast cancer: a systematic review. <i>European Journal of Cancer</i> , <b>2014</b> , 50, 1779-1788	7.5	85
170	Hyperthermia: The Optimal Treatment to Overcome Radiation Resistant Hypoxia. <i>Cancers</i> , <b>2019</b> , 11,	6.6	83
169	Heating technology for malignant tumors: a review. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 711-741	3.4	79
168	CSI-EPT: A Contrast Source Inversion Approach for Improved MRI-Based Electric Properties Tomography. <i>IEEE Transactions on Medical Imaging</i> , <b>2015</b> , 34, 1788-96	11.7	75
167	Quality assurance for clinical studies in regional deep hyperthermia. <i>Strahlentherapie Und Onkologie</i> , <b>2011</b> , 187, 605-10	4.3	75
166	Improving locoregional hyperthermia delivery using the 3-D controlled AMC-8 phased array hyperthermia system: a preclinical study. <i>International Journal of Hyperthermia</i> , <b>2009</b> , 25, 581-92	3.7	75
165	Cell survival and radiosensitisation: modulation of the linear and quadratic parameters of the LQ model (Review). <i>International Journal of Oncology</i> , <b>2013</b> , 42, 1501-15	4.4	68
164	Planning, optimisation and evaluation of hyperthermia treatments. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 593-607	3.7	65

163	High-resolution temperature-based optimization for hyperthermia treatment planning. <i>Physics in Medicine and Biology</i> , <b>2005</b> , 50, 3127-41	3.8	65
162	Cryoablation induces greater inflammatory and coagulative responses than radiofrequency ablation or laser induced thermotherapy in a rat liver model. <i>Surgery</i> , <b>2010</b> , 147, 686-95	3.6	62
161	Quality assurance guidelines for superficial hyperthermia clinical trials: I. Clinical requirements. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 471-482	3.7	59
160	The theoretical and experimental evaluation of the heat balance in perfused tissue. <i>Physics in Medicine and Biology</i> , <b>1994</b> , 39, 813-32	3.8	51
159	Temperature and SAR measurements in deep-body hyperthermia with thermocouple thermometry. <i>International Journal of Hyperthermia</i> , <b>1993</b> , 9, 685-97	3.7	51
158	Accelerated ray tracing for radiotherapy dose calculations on a GPU. <i>Medical Physics</i> , <b>2009</b> , 36, 4095-102	4.4	50
157	Optimization in hyperthermia treatment planning: the impact of tissue perfusion uncertainty. <i>Medical Physics</i> , <b>2010</b> , 37, 4540-50	4.4	50
156	Specific absorption rate intersubject variability in 7T parallel transmit MRI of the head. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 69, 1476-85	4.4	48
155	Quantifying the combined effect of radiation therapy and hyperthermia in terms of equivalent dose distributions. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 88, 739-45	4	47
154	Quality assurance guidelines for superficial hyperthermia clinical trials : II. Technical requirements for heating devices. <i>Strahlentherapie Und Onkologie</i> , <b>2017</b> , 193, 351-366	4.3	46
153	Uncertainty in hyperthermia treatment planning: the need for robust system design. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 3233-50	3.8	46
152	Hyperthermia, cisplatin and radiation trimodality treatment: a promising cancer treatment? A review from preclinical studies to clinical application. <i>International Journal of Hyperthermia</i> , <b>2007</b> , 23, 329-41	3.7	46
151	Targeting therapy-resistant cancer stem cells by hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 419-427	3.7	44
150	Thermoradiotherapy planning: Integration in routine clinical practice. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 41-9	3.7	44
149	Reirradiation and hyperthermia for irresectable locoregional recurrent breast cancer in previously irradiated area: Size matters. <i>Radiotherapy and Oncology</i> , <b>2015</b> , 117, 223-8	5.3	43
148	Hyperthermia Selectively Targets Human Papillomavirus in Cervical Tumors via p53-Dependent Apoptosis. <i>Cancer Research</i> , <b>2015</b> , 75, 5120-9	10.1	43
147	Online Adaptive Hyperthermia Treatment Planning During Locoregional Heating to Suppress Treatment-Limiting Hot Spots. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 99, 1039-1047	4.2	42
146	A short time interval between radiotherapy and hyperthermia reduces in-field recurrence and mortality in women with advanced cervical cancer. <i>Radiation Oncology</i> , <b>2017</b> , 12, 75	4.2	41

145	Hyperthermia treatment planning for cervical cancer patients based on electrical conductivity tissue properties acquired in vivo with EPT at 3 T MRI. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 558-68	3.7	40
144	Feasibility of electric property tomography of pelvic tumors at 3T. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1505-13	4.4	40
143	Temperature and thermal dose during radiotherapy and hyperthermia for recurrent breast cancer are related to clinical outcome and thermal toxicity: a systematic review. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 1024-1039	3.7	39
142	A comparison of the heating characteristics of capacitive and radiative superficial hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 378-386	3.7	38
141	Variation in Clinical Application of Hyperthermic Intraperitoneal Chemotherapy: A Review. <i>Cancers</i> , <b>2019</b> , 11,	6.6	38
140	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> , <b>2014</b> , 90, 438-45	4	38
139	Time-Dependent Impact of Irreversible Electroporation on Pancreas, Liver, Blood Vessels and Nerves: A Systematic Review of Experimental Studies. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166987	3.7	38
138	Monitoring of response to pre-operative chemoradiation in combination with hyperthermia in oesophageal cancer by FDG-PET. <i>International Journal of Hyperthermia</i> , <b>2006</b> , 22, 149-60	3.7	37
137	Combining Mitomycin C and Regional 70 MHz Hyperthermia in Patients with Nonmuscle Invasive Bladder Cancer: A Pilot Study. <i>Journal of Urology</i> , <b>2015</b> , 194, 1202-8	2.5	35
136	In vivo electric conductivity of cervical cancer patients based on B <sub>1</sub> maps at 3T MRI. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 1596-607	3.8	35
135	Thermal modelling using discrete vasculature for thermal therapy: A review. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 336-45	3.7	35
134	Molecular and biological rationale of hyperthermia as radio- and chemosensitizer. <i>Advanced Drug Delivery Reviews</i> , <b>2020</b> , 163-164, 84-97	18.5	32
133	Elective re-irradiation and hyperthermia following resection of persistent locoregional recurrent breast cancer: A retrospective study. <i>International Journal of Hyperthermia</i> , <b>2010</b> , 26, 136-44	3.7	31
132	Integrating Loco-Regional Hyperthermia Into the Current Oncology Practice: SWOT and TOWS Analyses. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 819	5.3	29
131	Biological modelling of the radiation dose escalation effect of regional hyperthermia in cervical cancer. <i>Radiation Oncology</i> , <b>2016</b> , 11, 14	4.2	29
130	Prospective treatment planning to improve locoregional hyperthermia for oesophageal cancer. <i>International Journal of Hyperthermia</i> , <b>2006</b> , 22, 375-89	3.7	29
129	Modelling individual temperature profiles from an isolated perfused bovine tongue. <i>Physics in Medicine and Biology</i> , <b>2000</b> , 45, 765-80	3.8	29
128	Fast thermal simulations and temperature optimization for hyperthermia treatment planning, including realistic 3D vessel networks. <i>Medical Physics</i> , <b>2013</b> , 40, 103303	4.4	27

127	On verification of hyperthermia treatment planning for cervical carcinoma patients. <i>International Journal of Hyperthermia</i> , <b>2007</b> , 23, 303-14	3.7	27
126	The clinical benefit of hyperthermia in pancreatic cancer: a systematic review. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 969-979	3.7	27
125	Accuracy of geometrical modelling of heat transfer from tissue to blood vessels. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 1451-60	3.8	26
124	Determination and validation of the actual 3D temperature distribution during interstitial hyperthermia of prostate carcinoma. <i>Physics in Medicine and Biology</i> , <b>2001</b> , 46, 3115-31	3.8	26
123	The influence of vasculature on temperature distributions in MECS interstitial hyperthermia: importance of longitudinal control. <i>International Journal of Hyperthermia</i> , <b>1997</b> , 13, 365-85	3.7	25
122	Locoregional hyperthermia of deep-seated tumours applied with capacitive and radiative systems: a simulation study. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 714-730	3.7	24
121	Thermal dosimetry for bladder hyperthermia treatment. An overview. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 417-33	3.7	24
120	FDTD simulations to assess the performance of CFMA-434 applicators for superficial hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2009</b> , 25, 462-76	3.7	23
119	Preoperative chemoradiation combined with regional hyperthermia for patients with resectable esophageal cancer. <i>International Journal of Hyperthermia</i> , <b>2009</b> , 25, 79-85	3.7	23
118	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 160-169	3.7	22
117	Body conformal antennas for superficial hyperthermia: the impact of bending contact flexible microstrip applicators on their electromagnetic behavior. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2009</b> , 56, 2917-26	5	22
116	Improved power steering with double and triple ring waveguide systems: the impact of the operating frequency. <i>International Journal of Hyperthermia</i> , <b>2011</b> , 27, 224-39	3.7	22
115	Interstitial heating: experiments in artificially perfused bovine tongues. <i>Physics in Medicine and Biology</i> , <b>1991</b> , 36, 823-33	3.8	22
114	Quality assurance guidelines for interstitial hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 277-294	3.7	21
113	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> , <b>2018</b> , 34, 30-38	3.7	21
112	3D versus 2D steering in patient anatomies: a comparison using hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , <b>2011</b> , 27, 74-85	3.7	21
111	Tests of the geometrical description of blood vessels in a thermal model using counter-current geometries. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 1515-32	3.8	21
110	Dose uniformity in scanned focused ultrasound hyperthermia. <i>International Journal of Hyperthermia</i> , <b>1994</b> , 10, 775-84	3.7	21

109	Enhancing synthetic lethality of PARP-inhibitor and cisplatin in BRCA-proficient tumour cells with hyperthermia. <i>Oncotarget</i> , <b>2017</b> , 8, 28116-28124	3.3	21
108	Mathematical modeling of the thermal effects of irreversible electroporation for , , and clinical use: a systematic review. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 486-505	3.7	20
107	A feasibility study in oesophageal carcinoma using deep loco-regional hyperthermia combined with concurrent chemotherapy followed by surgery. <i>International Journal of Hyperthermia</i> , <b>2004</b> , 20, 647-59	3.7	20
106	Comparison of temperature distributions in interstitial hyperthermia: experiments in bovine tongues versus generic simulations. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 1199-214	3.8	20
105	Thermal Skin Damage During Reirradiation and Hyperthermia Is Time-Temperature Dependent. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 98, 392-399	4	19
104	Chemohyperthermia in non-muscle-invasive bladder cancer: An overview of the literature and recommendations. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 363-73	3.7	19
103	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> , <b>2019</b> , 36, 47-63	3.7	19
102	Feasibility of on-line temperature-based hyperthermia treatment planning to improve tumour temperatures during locoregional hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 1082-1091	3.7	19
101	Adjuvant HIPEC in patients with colon cancer at high risk of peritoneal metastases: Primary outcome of the COLOPEC multicenter randomized trial.. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, 482-482	2.2	18
100	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> , <b>2018</b> , 35, 330-339	3.7	18
99	Hyperthermia Treatment Planning Including Convective Flow in Cerebrospinal Fluid for Brain Tumour Hyperthermia Treatment Using a Novel Dedicated Paediatric Brain Applicator. <i>Cancers</i> , <b>2019</b> , 11,	6.6	17
98	Reirradiation+ hyperthermia for recurrent breast cancer en cuirasse. <i>Strahlentherapie Und Onkologie</i> , <b>2018</b> , 194, 206-214	4.3	17
97	Delineation of potential hot spots for hyperthermia treatment planning optimisation. <i>International Journal of Hyperthermia</i> , <b>2007</b> , 23, 287-301	3.7	17
96	The Temperature-Dependent Effectiveness of Platinum-Based Drugs Mitomycin-C and 5-FU during Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in Colorectal Cancer Cell Lines. <i>Cells</i> , <b>2020</b> , 9,	7.9	17
95	The effect of time interval between radiotherapy and hyperthermia on planned equivalent radiation dose. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 901-909	3.7	17
94	Colorectal cancer at high risk of peritoneal metastases: long term outcomes of a pilot study on adjuvant laparoscopic HIPEC and future perspectives. <i>Oncotarget</i> , <b>2017</b> , 8, 51200-51209	3.3	16
93	Improving hyperthermia treatment planning for the pelvis by accurate fluid modeling. <i>Medical Physics</i> , <b>2016</b> , 43, 5442	4.4	16
92	Enhancing radiosensitisation of BRCA2-proficient and BRCA2-deficient cell lines with hyperthermia and PARP1-i. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 39-48	3.7	15

91	Feasibility of adjuvant laparoscopic hyperthermic intraperitoneal chemotherapy in a short stay setting in patients with colorectal cancer at high risk of peritoneal carcinomatosis. <i>European Journal of Surgical Oncology</i> , <b>2014</b> , 40, 1453-8	3.6	15
90	A feasibility study of interstitial hyperthermia plus external beam radiotherapy in glioblastoma multiforme using the Multi ELECTrode Current Source (MECS) system. <i>International Journal of Hyperthermia</i> , <b>2004</b> , 20, 451-63	3.7	15
89	Development of a novel method to enhance the therapeutic effect on tumours by simultaneous action of radiation and heating. <i>International Journal of Hyperthermia</i> , <b>2015</b> , 31, 443-52	3.7	14
88	SAR deposition by curved CFMA-434 applicators for superficial hyperthermia: Measurements and simulations. <i>International Journal of Hyperthermia</i> , <b>2010</b> , 26, 171-84	3.7	14
87	Sensitizing thermochemotherapy with a PARP1-inhibitor. <i>Oncotarget</i> , <b>2017</b> , 8, 16303-16312	3.3	14
86	Advanced patient-specific hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 992-1007	3.7	14
85	Accuracy and precision of electrical permittivity mapping at 3T: the impact of three mapping techniques. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 3628-3642	4.4	13
84	Deep learning-based reconstruction of in vivo pelvis conductivity with a 3D patch-based convolutional neural network trained on simulated MR data. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 2772-2787	4.4	13
83	Dose uniformity in MECS interstitial hyperthermia: the impact of longitudinal control in model anatomies. <i>Physics in Medicine and Biology</i> , <b>1996</b> , 41, 429-44	3.8	13
82	Analysis of clinical data to determine the minimum number of sensors required for adequate skin temperature monitoring of superficial hyperthermia treatments. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 910-917	3.7	12
81	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> , <b>2018</b> , 19,	6.3	12
80	Technical and Clinical Evaluation of the ALBA-4D 70MHz Loco-Regional Hyperthermia System <b>2018</b> ,		12
79	Whole-body hyperthermia in combination with systemic therapy in advanced solid malignancies. <i>Critical Reviews in Oncology/Hematology</i> , <b>2019</b> , 139, 67-74	7	11
78	Rib fractures after reirradiation plus hyperthermia for recurrent breast cancer: Predictive factors. <i>Strahlentherapie Und Onkologie</i> , <b>2016</b> , 192, 240-7	4.3	11
77	Characteristics and performance evaluation of the capacitive Contact Flexible Microstrip Applicator operating at 70 MHz for external hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2009</b> , 25, 542-53	3.7	11
76	Spatial temperature control with a 27 MHz current source interstitial hyperthermia system. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1997</b> , 37, 189-97	4	11
75	Thermal properties of capacitively coupled electrodes in interstitial hyperthermia. <i>Physics in Medicine and Biology</i> , <b>1998</b> , 43, 139-53	3.8	11
74	Clinical validation of a novel thermophysical bladder model designed to improve the accuracy of hyperthermia treatment planning in the pelvic region. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 35, 383-397	3.7	11

73	Locoregional peritoneal hyperthermia to enhance the effectiveness of chemotherapy in patients with peritoneal carcinomatosis: a simulation study comparing different locoregional heating systems. <i>International Journal of Hyperthermia</i> , <b>2020</b> , 37, 76-88	3.7	10
72	Dose-guided radiotherapy: potential benefit of online dose recalculation for stereotactic lung irradiation in patients with non-small-cell lung cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2012</b> , 83, e557-62	4	10
71	Radiotherapy combined with hyperthermia for primary malignant melanomas of the esophagus. <i>Ecological Management and Restoration</i> , <b>2010</b> , 23, E42-7	3	10
70	Comparison of two different 70 MHz applicators for large extremity lesions: simulation and application. <i>International Journal of Hyperthermia</i> , <b>2010</b> , 26, 376-88	3.7	10
69	A perfusion technique for tongues to be used in bioheat transfer studies. <i>Physics in Medicine and Biology</i> , <b>1991</b> , 36, 843-6	3.8	10
68	The impact of the waveguide aperture size of the 3D 70 MHz AMC-8 locoregional hyperthermia system on tumour coverage. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 4899-916	3.8	9
67	Relation between body size and temperatures during locoregional hyperthermia of oesophageal cancer patients. <i>International Journal of Hyperthermia</i> , <b>2008</b> , 24, 663-74	3.7	9
66	Theoretical comparison of intraluminal heating techniques. <i>International Journal of Hyperthermia</i> , <b>2007</b> , 23, 395-411	3.7	9
65	Temperature measurement errors with thermocouples inside 27 MHz current source interstitial hyperthermia applicators. <i>Physics in Medicine and Biology</i> , <b>1999</b> , 44, 1499-511	3.8	9
64	B1-based SAR reconstruction using contrast source inversion-electric properties tomography (CSI-EPT). <i>Medical and Biological Engineering and Computing</i> , <b>2017</b> , 55, 225-233	3.1	8
63	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> , <b>2019</b> , 9, 412	5.3	8
62	Radiosensitization by Hyperthermia: The Effects of Temperature, Sequence, and Time Interval in Cervical Cell Lines. <i>Cancers</i> , <b>2020</b> , 12,	6.6	8
61	An international multicenter phase III study of chemoradiotherapy versus chemoradiotherapy plus hyperthermia for locally advanced cervical cancer.. <i>Journal of Clinical Oncology</i> , <b>2016</b> , 34, e17023-e17023 <sup>2.2</sup>		8
60	Novel multisensor probe for monitoring bladder temperature during locoregional chemohyperthermia for nonmuscle-invasive bladder cancer: technical feasibility study. <i>Journal of Endourology</i> , <b>2013</b> , 27, 1504-9	2.7	7
59	Implications of using thermocouple thermometry in 27 MHz capacitively coupled interstitial hyperthermia. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 637-50	3.8	7
58	Numerical analysis of capacitively coupled electrodes for interstitial hyperthermia. <i>International Journal of Hyperthermia</i> , <b>1997</b> , 13, 607-19	3.7	7
57	Reliability of temperature and SAR measurements at oesophageal tumour locations. <i>International Journal of Hyperthermia</i> , <b>2006</b> , 22, 545-61	3.7	7
56	Modulating the Heat Stress Response to Improve Hyperthermia-Based Anticancer Treatments. <i>Cancers</i> , <b>2021</b> , 13,	6.6	7



55	A flexible 70 MHz phase-controlled double waveguide system for hyperthermia treatment of superficial tumours with deep infiltration. <i>International Journal of Hyperthermia</i> , <b>2017</b> , 33, 796-809	3.7	6
54	Design of applicators for a 27 MHz multielectrode current source interstitial hyperthermia system; impedance matching and effective power. <i>Physics in Medicine and Biology</i> , <b>1997</b> , 42, 1087-108	3.8	6
53	On estimation of the temperature maximum in intraluminal or intracavitary hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2005</b> , 21, 287-304	3.7	6
52	Spatial steering with quadruple electrodes in 27 MHz capacitively coupled interstitial hyperthermia. <i>International Journal of Hyperthermia</i> , <b>1999</b> , 15, 145-56	3.7	6
51	Hyperthermia Treatment Planning: Clinical Application and Ongoing Developments. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , <b>2021</b> , 5, 214-222	2.8	6
50	Modelling Curved Contact Flexible Microstrip Applicators for Patient-Specific Superficial Hyperthermia Treatment Planning. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
49	Clinical thermometry, using the 27 MHz multi-electrode current-source interstitial hyperthermia system in brain tumours. <i>Radiotherapy and Oncology</i> , <b>2001</b> , 59, 227-31	5.3	5
48	Simulating drug penetration during hyperthermic intraperitoneal chemotherapy. <i>Drug Delivery</i> , <b>2021</b> , 28, 145-161	7	5
47	Treatment planning facilitates clinical decision making for hyperthermia treatments. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 532-551	3.7	5
46	Experimental validation of a thermophysical fluid model for use in a hyperthermia treatment planning system. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 152, 119495	4.9	4
45	CSI-EPT: A novel contrast source approach to MRI based electric properties tomography and patient-specific SAR <b>2013</b> ,		4
44	Acceleration of high resolution temperature based optimization for hyperthermia treatment planning using element grouping. <i>Medical Physics</i> , <b>2009</b> , 36, 3795-805	4.4	4
43	Progress and future directions in hyperthermia treatment planning <b>2017</b> ,		3
42	Development of a 70 MHz unit for hyperthermia treatment of deep-seated breast tumors. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2017</b> , 9, 1317-1324	0.8	3
41	Automatic delineation of body contours on cone-beam CT images using a delineation booster. <i>Physics in Medicine and Biology</i> , <b>2012</b> , 57, N225-36	3.8	3
40	Artefacts in intracavitary temperature measurements during regional hyperthermia. <i>Physics in Medicine and Biology</i> , <b>2007</b> , 52, 5157-71	3.8	3
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33	Development of electrical properties tomography for hyperthermia treatment planning <b>2017</b> ,		2
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13	Combining 70MHz and 434MHz or WIRA Hyperthermia Applicators for Optimal Coverage of Semi-Deep Tumour Sites <b>2019</b> ,		1
12	Dedicated 70 MHz RF systems for hyperthermia of challenging tumor locations. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2020</b> , 12, 839-847	0.8	1
11	Re-irradiation plus hyperthermia for recurrent pediatric sarcoma; a simulation study to investigate feasibility. <i>International Journal of Oncology</i> , <b>2019</b> , 54, 209-218	4.4	1
10	RF Heating of Pancreatic Tumours Guided by Hyperthermia Treatment Planning and Limited Thermometry <b>2018</b> ,		1
9	Adaptive Treatment Planning for Locoregional Hyperthermia: A Necessary Tool for Optimizing Treatment Quality <b>2018</b> ,		1
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