Peter Wust

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3243866/publications.pdf

Version: 2024-02-01

171 papers	15,283 citations	44444 50 h-index	20023 121 g-index
184 all docs	184 docs citations	184 times ranked	14931 citing authors

#	Article	IF	Citations
1	Clinical Evidence for Thermometric Parameters to Guide Hyperthermia Treatment. Cancers, 2022, 14, 625.	1.7	16
2	Experimental and computational evaluation of capacitive hyperthermia. International Journal of Hyperthermia, 2022, 39, 504-516.	1.1	2
3	Mode of Action and Experimental and Clinical Data of Regional Hyperthermia. , 2021, , 141-149.		0
4	Hyperthermie in Kombination mit Radiotherapie in der Tumorbehandlung. Springer Reference Medizin, 2021, , 1-10.	0.0	0
5	Improved patient-specific hyperthermia planning based on parametrized electromagnetic and thermal models for the SIGMA-30 applicator. International Journal of Hyperthermia, 2021, 38, 663-678.	1.1	2
6	Non-thermal membrane effects of electromagnetic fields and therapeutic applications in oncology. International Journal of Hyperthermia, 2021, 38, 715-731.	1.1	20
7	Radiotherapeutic treatment options for oligotopic malignant liver lesions. Radiation Oncology, 2021, 16, 51.	1.2	5
8	Salvage-Radiation Therapy and Regional Hyperthermia for Biochemically Recurrent Prostate Cancer after Radical Prostatectomy (Results of the Planned Interim Analysis). Cancers, 2021, 13, 1133.	1.7	6
9	Patient-Specific Planning for Thermal Magnetic Resonance of Glioblastoma Multiforme. Cancers, 2021, 13, 1867.	1.7	7
10	Fever range whole body hyperthermia for re-irradiation of head and neck squamous cell carcinomas: Final results of a prospective study. Oral Oncology, 2021, 116, 105240.	0.8	7
11	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.	0.9	64
12	Image-guided dose-escalated radiation therapy for localized prostate cancer with helical tomotherapy. Strahlentherapie Und Onkologie, 2020, 196, 229-242.	1.0	6
13	PARP-1 expression as a prognostic factor in Desmoid-type fibromatosis. Annals of Diagnostic Pathology, 2020, 44, 151442.	0.6	6
14	Complications of Computed Tomography-Guided High-Dose-Rate Brachytherapy (CT-HDRBT) and Risk Factors: Results from More than 10 Years of Experience. CardioVascular and Interventional Radiology, 2020, 43, 284-294.	0.9	9
15	Reirradiation of High-Grade Gliomas: A Retrospective Analysis of 198 Patients Based on the CharitÃ© Data Set. Advances in Radiation Oncology, 2020, 5, 959-964.	0.6	7
16	Non-thermal effects of radiofrequency electromagnetic fields. Scientific Reports, 2020, 10, 13488.	1.6	46
17	In Regard to Wang etÂal. International Journal of Radiation Oncology Biology Physics, 2020, 107, 855.	0.4	1
18	Radiofrequency applicator concepts for thermal magnetic resonance of brain tumors at 297â€‰MHz (7.0ÂTesla). International Journal of Hyperthermia, 2020, 37, 549-563.	1.1	17

#	Article	IF	Citations
19	Tumor Seeding along the Puncture Tract in CT-Guided Interstitial High-Dose-Rate Brachytherapy. Journal of Vascular and Interventional Radiology, 2020, 31, 720-727.	0.2	4
20	Heating technology for malignant tumors: a review. International Journal of Hyperthermia, 2020, 37, 711-741.	1.1	211
21	Locoregional peritoneal hyperthermia to enhance the effectiveness of chemotherapy in patients with peritoneal carcinomatosis: a simulation study comparing different locoregional heating systems. International Journal of Hyperthermia, 2020, 37, 76-88.	1.1	14
22	PET measured hypoxia and MRI parameters in re-irradiated head and neck squamous cell carcinomas: findings of a prospective pilot study. F1000Research, 2020, 9, 1350.	0.8	3
23	Physical analysis of temperature-dependent effects of amplitude-modulated electromagnetic hyperthermia. International Journal of Hyperthermia, 2019, 36, 1245-1253.	1.1	23
24	Effect of Neoadjuvant Chemotherapy Plus Regional Hyperthermia on Long-term Outcomes Among Patients With Localized High-Risk Soft Tissue Sarcoma. JAMA Oncology, 2018, 4, 483.	3.4	227
25	Evaluation of pharmacokinetic models for perfusion imaging with dynamic contrastâ€enhanced magnetic resonance imaging in porcine skeletal muscle using lowâ€molecularâ€weight contrast agents. Magnetic Resonance in Medicine, 2018, 79, 3154-3162.	1.9	2
26	Impact of dose intensified salvage radiation therapy on urinary continence recovery after radical prostatectomy: Results of the randomized trial SAKK 09/10. Radiotherapy and Oncology, 2018, 126, 257-262.	0.3	19
27	Locally dose-escalated radiotherapy may improve intracranial local control and overall survival among patients with glioblastoma. Radiation Oncology, 2018, 13, 251.	1.2	13
28	Neoadjuvant chemotherapy plus radiation versus chemotherapy plus regional hyperthermia in high-grade soft tissue sarcomas: a retrospective comparison. International Journal of Hyperthermia, 2018, 35, 314-322.	1.1	5
29	PSMA-PET based radiotherapy: a review of initial experiences, survey on current practice and future perspectives. Radiation Oncology, 2018, 13, 90.	1.2	34
30	Clinical trials involving positron emission tomography and prostate cancer: an analysis of the ClinicalTrials.gov database. Radiation Oncology, 2018, 13, 113.	1.2	6
31	Spinal cord constraints in the era of high-precision radiotherapy. Strahlentherapie Und Onkologie, 2017, 193, 561-569.	1.0	5
32	Dosimetric implications of inter- and intrafractional prostate positioning errors during tomotherapy. Strahlentherapie Und Onkologie, 2017, 193, 700-706.	1.0	25
33	Initial Experience with CTâ€“Guided High-Dose-Rate Brachytherapy in the Multimodality Treatment of Neuroendocrine Tumor Liver Metastases. Journal of Vascular and Interventional Radiology, 2017, 28, 672-682.	0.2	13
34	Risk adapted dose-intensified postoperative radiation therapy in prostate cancer patients using a simultaneous integrated boost technique applied with helical Tomotherapy. Radiation Oncology, 2017, 12, 125.	1.2	7
35	Radiofrequency applicator concepts for simultaneous MR imaging and hyperthermia treatment of glioblastoma multiforme. Current Directions in Biomedical Engineering, 2017, 3, 473-477.	0.2	13
36	Dose-escalated radiotherapy for unresectable or locally recurrent pancreatic cancer: Dose volume analysis, toxicity and outcome of 28 consecutive patients. PLoS ONE, 2017, 12, e0186341.	1.1	15

#	Article	IF	Citations
37	Intermediate-term outcome after PSMA-PET guided high-dose radiotherapy of recurrent high-risk prostate cancer patients. Radiation Oncology, 2017, 12, 140.	1.2	34
38	Role of Dose Intensification for Salvage Radiation Therapy after Radical Prostatectomy. Frontiers in Oncology, 2016, 6, 48.	1.3	3
39	Biodistribution of [68Ga]PSMA-HBED-CC in Patients with Prostate Cancer: Characterization of Uptake in Normal Organs and Tumour Lesions. Molecular Imaging and Biology, 2016, 18, 428-436.	1.3	84
40	Haemoglobin and creatinine values as prognostic factors for outcome of concurrent radiochemotherapy in locally advanced head and neck cancers. Strahlentherapie Und Onkologie, 2016, 192, 552-560.	1.0	13
41	Regional hyperthermia combined with chemotherapy in paediatric, adolescent and young adult patients: current and future perspectives. Radiation Oncology, 2016, 11, 65.	1.2	25
42	Magnetic resonance thermometry: Methodology, pitfalls and practical solutions. International Journal of Hyperthermia, 2016, 32, 63-75.	1.1	173
43	Regional hyperthermia and moderately dose-escalated salvage radiotherapy for recurrent prostate cancer. Protocol of a phase II trial. Radiation Oncology, 2015, 10, 138.	1.2	8
44	Regional hyperthermia of the abdomen, a pilot study towards the treatment of peritoneal carcinomatosis. Radiation Oncology, 2015, 10, 157.	1.2	12
45	Thermal magnetic resonance: physics considerations and electromagnetic field simulations up to 23.5 Tesla (1GHz). Radiation Oncology, 2015, 10, 201.	1.2	39
46	CT-guided high-dose-rate brachytherapy in the interdisciplinary treatment of patients with liver metastases of pancreatic cancer. Hepatobiliary and Pancreatic Diseases International, 2015, 14, 530-538.	0.6	19
47	CT-guided high-dose-rate brachytherapy of unresectable hepatocellular carcinoma. Strahlentherapie Und Onkologie, 2015, 191, 405-412.	1.0	35
48	CT-guided Interstitial Brachytherapy of Hepatocellular Carcinoma before Liver Transplantation: an Equivalent Alternative to Transarterial Chemoembolization?. European Radiology, 2015, 25, 2608-2616.	2.3	31
49	Hyperthermia-related clinical trials on cancer treatment within the ClinicalTrials.gov registry. International Journal of Hyperthermia, 2015, 31, 609-614.	1.1	173
50	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.	0.8	99
51	Clinical Perspectives from Randomized Phase 3 Trials on Prostate Cancer: An Analysis of the ClinicalTrials.gov Database. European Urology Focus, 2015, 1, 173-184.	1.6	11
52	Permanent interstitial low-dose-rate brachytherapy for patients with low risk prostate cancer. Strahlentherapie Und Onkologie, 2015, 191, 303-309.	1.0	13
53	Radiation-Induced Liver Damage: Correlation of Histopathology with Hepatobiliary Magnetic Resonance Imaging, a Feasibility Study. CardioVascular and Interventional Radiology, 2015, 38, 213-221.	0.9	25
54	Acute toxicity and early quality of life after dose intensified salvage radiotherapy for biochemically recurrent prostate cancer after prostatectomy: First results of the randomized trial SAKK 09/10.. Journal of Clinical Oncology, 2015, 33, 5038-5038.	0.8	2

#	Article	IF	Citations
55	The Role of Image-Guided Oncology and Local Tumor Treatments. Viszeralmedizin, 2014, 30, 5-5.	0.0	0
56	Prospective Randomized Trial of Enoxaparin, Pentoxifylline and Ursodeoxycholic Acid for Prevention of Radiation-Induced Liver Toxicity. PLoS ONE, 2014, 9, e112731.	1.1	46
57	Treatment for liver metastasis from renal cell carcinoma with computed-tomography-guided high-dose-rate brachytherapy (CT-HDRBT): a case series. World Journal of Urology, 2013, 31, 1525-1530.	1.2	16
58	Computed-tomography-guided high-dose-rate brachytherapy (CT-HDRBT) ablation of metastases adjacent to the liver hilum. European Journal of Radiology, 2013, 82, e509-e514.	1.2	43
59	Design and Evaluation of a Hybrid Radiofrequency Applicator for Magnetic Resonance Imaging and RF Induced Hyperthermia: Electromagnetic Field Simulations up to 14.0 Tesla and Proof-of-Concept at 7.0 Tesla. PLoS ONE, 2013, 8, e61661.	1.1	89
60	Anal carcinoma: surgery does not influence prognosis when performed prior to concurrent radiochemotherapy. Anticancer Research, 2013, 33, 4111-5.	0.5	2
61	Image-guided radiotherapy with implanted markers and kilovoltage imaging and 6-dimensional position corrections for intrafractional motion of the prostate. Anticancer Research, 2013, 33, 4117-21.	0.5	13
62	Image-guided stereotactic radiosurgery for cranial lesions: large margins compensate for reduced image guidance frequency. Anticancer Research, 2013, 33, 4639-43.	0.5	12
63	Preliminary experience with CTâ€guided highâ€dose rate brachytherapy as an alternative treatment for hepatic recurrence of cholangiocarcinoma. Hpb, 2012, 14, 791-797.	0.1	9
64	Percutaneous Computed Tomographyâ€“guided High-Dose-Rate Brachytherapy Ablation of Breast Cancer Liver Metastases: Initial Experience with 80 Lesions. Journal of Vascular and Interventional Radiology, 2012, 23, 618-626.	0.2	24
65	Interfraction rotation of the prostate as evaluated by kilovoltage X-ray fiducial marker imaging in intensity-modulated radiotherapy of localized prostate cancer. Medical Dosimetry, 2012, 37, 396-400.	0.4	28
66	Appropriate patient instructions can reduce prostate motion. Radiation Oncology, 2012, 7, 125.	1.2	16
67	Magnetic resonance imaging, computed tomography, and 68Ga-DOTATOC positron emission tomography for imaging skull base meningiomas with infracranial extension treated with stereotactic radiotherapy - a case series. Head & Face Medicine, 2012, 8, 1.	0.8	25
68	Computed Tomography-Guided Interstitial HDR Brachytherapy (CT-HDRBT) of the Liver in Patients with Irresectable Intrahepatic Cholangiocarcinoma. CardioVascular and Interventional Radiology, 2012, 35, 581-587.	0.9	38
69	Hepatocellular carcinoma: computed-tomography-guided high-dose-rate brachytherapy (CT-HDRBT) ablation of large (5â€“7Âcm) and very large (>7Âcm) tumours. European Radiology, 2012, 22, 1101-1109.	2.3	61
70	Treatment of hepatic metastases from gastric or gastroesophageal adenocarcinoma with computed tomography-guided high-dose-rate brachytherapy (CT-HDRBT). Anticancer Research, 2012, 32, 5453-8.	0.5	14
71	Treatment of hepatic metastases of breast cancer with CT-guided interstitial brachytherapy â€“ A phase II-study. Radiotherapy and Oncology, 2011, 100, 314-319.	0.3	55
72	Computed Tomographyâ€“Guided Brachytherapy for Liver Cancer. Seminars in Radiation Oncology, 2011, 21, 287-293.	1.0	58

#	Article	IF	Citations
73	Efficacy and safety of intratumoral thermotherapy using magnetic iron-oxide nanoparticles combined with external beam radiotherapy on patients with recurrent glioblastoma multiforme. Journal of Neuro-Oncology, 2011, 103, 317-324.	1.4	1,107
74	Quantitative in vivo assessment of radiation injury of the liver using Gd-EOB-DTPA enhanced MRI: tolerance dose of small liver volumes. Radiation Oncology, 2011, 6, 40.	1.2	49
75	Monte Carlo simulation of contrast-enhanced whole brain radiotherapy on a CT scanner. Medical Physics, 2011, 38, 4672-4680.	1.6	11
76	Induced Hyperthermia in the Treatment of Cancer. , 2011, , 365-377.		3
77	CT-guided high-dose-rate brachytherapy of metachronous ovarian cancer metastasis to the liver: initial experience. Anticancer Research, 2011, 31, 2597-602.	0.5	11
78	Regularized antenna profile adaptation in online hyperthermia treatment. Medical Physics, 2010, 37, 5382-5394.	1.6	9
79	Residual Translational and Rotational Errors after kV X-Ray Image-Guided Correction of Prostate Location Using Implanted Fiducials. Strahlentherapie Und Onkologie, 2010, 186, 544-550.	1.0	24
80	Computed Tomographyâ€“Guided High-Dose-Rate Brachytherapy in Hepatocellular Carcinoma: Safety, Efficacy, and Effect on Survival. International Journal of Radiation Oncology Biology Physics, 2010, 78, 172-179.	0.4	111
81	Regional abdominal hyperthermia combined with systemic chemotherapy for the treatment of patients with ovarian cancer relapse: Results of a pilot study. International Journal of Hyperthermia, 2010, 26, 118-126.	1.1	29
82	Tumour perfusion assessment during regional hyperthermia treatment: Comparison of temperature probe measurement with H₂¹⁵O-PET perfusion. International Journal of Hyperthermia, 2010, 26, 404-411.	1.1	8
83	Non-invasive magnetic resonance thermography during regional hyperthermia. International Journal of Hyperthermia, 2010, 26, 273-282.	1.1	58
84	Changes in hepatic blood flow during whole body hyperthermia. International Journal of Hyperthermia, 2010, 26, 95-100.	1.1	17
85	Neo-adjuvant chemotherapy alone or with regional hyperthermia for localised high-risk soft-tissue sarcoma: a randomised phase 3 multicentre study. Lancet Oncology, The, 2010, 11, 561-570.	5.1	576
86	Magnetic nanoparticle hyperthermia for prostate cancer. International Journal of Hyperthermia, 2010, 26, 790-795.	1.1	381
87	Accurate FDTD Simulation of RF Coils for MRI Using the Thin-Rod Approximation. IEEE Transactions on Antennas and Propagation, 2010, 58, 2004-2011.	3.1	2
88	Hyperthermia classic commentary: â€˜Simulation studies promote technological development of radiofrequency phased array hyperthermiaâ€™ by Peter Wust et al.,International Journal of Hyperthermia1996;12:477â€“494. International Journal of Hyperthermia, 2009, 25, 529-532.	1.1	6
89	Phase II Feasibility Study on the Combination of Two Different Regional Treatment Approaches in Patients with Colorectal â€œLiver-Onlyâ€•Metastases: Hepatic Interstitial Brachytherapy Plus Regional Chemotherapy. CardioVascular and Interventional Radiology, 2009, 32, 937-945.	0.9	18
90	Potentials of on-line repositioning based on implanted fiducial markers and electronic portal imaging in prostate cancer radiotherapy. Radiation Oncology, 2009, 4, 13.	1.2	34

#	Article	IF	Citations
91	Simulation studies promote technological development of radiofrequency phased array hyperthermia. International Journal of Hyperthermia, 2009, 25, 517-528.	1.1	10
92	Brain tumor perfusion: Comparison of dynamic contrast enhanced magnetic resonance imaging using T1, T2, and contrast, pulsed arterial spin labeling, and H215O positron emission tomography. European Journal of Radiology, 2009, 70, 465-474.	1.2	75
93	Photoelectricâ€enhanced radiation therapy with quasiâ€monochromatic computed tomography. Medical Physics, 2009, 36, 2107-2117.	1.6	13
94	CT-Guided Interstitial Brachytherapy of Primary and Secondary Lung Malignancies. Strahlentherapie Und Onkologie, 2008, 184, 296-301.	1.0	54
95	CT-Guided Brachytherapy (CTGB) versus Interstitial Laser Ablation (ILT) of Colorectal Liver Metastases. Strahlentherapie Und Onkologie, 2008, 184, 302-306.	1.0	27
96	Radiotherapy of Liver Metastases. Strahlentherapie Und Onkologie, 2008, 184, 256-261.	1.0	39
97	Postimplantation Analysis Enables Improvement of Doseâ€“Volume Histograms and Reduction of Toxicity for Permanent Seed Implantation. International Journal of Radiation Oncology Biology Physics, 2008, 71, 28-35.	0.4	11
98	Imaging-therapy computed tomography with quasi-monochromatic X-rays. European Journal of Radiology, 2008, 68, S63-S68.	1.2	8
99	A General Three-Dimensional Tensor FDTD-Formulation for Electrically Inhomogeneous Lossy Media Using the Z-Transform. IEEE Transactions on Antennas and Propagation, 2008, 56, 1027-1040.	3.1	8
100	Assessment of the tolerance dose of the hepatic reticulo-endothelial system (RES) after single fraction HDR-irradiation: Anin-vivostudy employing SSPIO. International Journal of Radiation Biology, 2008, 84, 830-837.	1.0	1
101	Regional hyperthermia of the abdomen in conjunction with chemotherapy for peritoneal carcinomatosis: Evaluation of two annular-phased-array applicators. International Journal of Hyperthermia, 2008, 24, 399-408.	1.1	24
102	Perfusion measurement using DCE-MRI: Implications for hyperthermia. International Journal of Hyperthermia, 2008, 24, 91-96.	1.1	27
103	Immunogenicity of premalignant lesions is the primary cause of general cytotoxic T lymphocyte unresponsiveness. Journal of Experimental Medicine, 2008, 205, 1687-1700.	4.2	105
104	Simulation of different applicator positions for treatment of a presacral tumour. International Journal of Hyperthermia, 2007, 23, 37-47.	1.1	25
105	Adaptation of antenna profiles for control of MR guided hyperthermia (HT) in a hybrid MRâ€HT system. Medical Physics, 2007, 34, 4717-4725.	1.6	54
106	IMPLICATIONS OF CLINICAL RF HYPERTHERMIA ON PROTECTION LIMITS IN THE RF RANGE. Health Physics, 2007, 92, 565-573.	0.3	18
107	The effect of induced hyperthermia on the immune system. Progress in Brain Research, 2007, 162, 137-152.	0.9	33
108	Quantification of fMRI BOLD signal and volume applied to the somatosensory cortex. Zeitschrift Fur Medizinische Physik, 2007, 17, 108-117.	0.6	3

#	Article	IF	Citations
109	Thermotherapy of Prostate Cancer Using Magnetic Nanoparticles: Feasibility, Imaging, and Three-Dimensional Temperature Distribution. European Urology, 2007, 52, 1653-1662.	0.9	438
110	Evaluation of MR-Induced Hot Spots for Different Temporal SAR Modes Using a Time-Dependent Finite Difference Method With Explicit Temperature Gradient Treatment. IEEE Transactions on Biomedical Engineering, 2007, 54, 1837-1850.	2.5	36
111	Intracranial Thermotherapy using Magnetic Nanoparticles Combined with External Beam Radiotherapy: Results of a Feasibility Study on Patients with Glioblastoma Multiforme. Journal of Neuro-Oncology, 2007, 81, 53-60.	1.4	632
112	Regional Thermotherapy. , 2007, , 73-90.		1
113	Magnetic nanoparticles for interstitial thermotherapy â€“ feasibility, tolerance and achieved temperatures. International Journal of Hyperthermia, 2006, 22, 673-685.	1.1	243
114	18F-FET PET for planning of thermotherapy using magnetic nanoparticles in recurrent glioblastoma. International Journal of Hyperthermia, 2006, 22, 319-325.	1.1	43
115	Thermal monitoring: Invasive, minimal-invasive and non-invasive approaches. International Journal of Hyperthermia, 2006, 22, 255-262.	1.1	78
116	Radiochemotherapy combined with regional pelvic hyperthermia induces high response and resectability rates in patients with nonresectable cervical cancer â‰¥FIGO IIB â€œbulkyâ€• International Journal of Radiation Oncology Biology Physics, 2006, 66, 1159-1167.	0.4	26
117	CT-guided interstitial brachytherapy in the local treatment of extrahepatic, extrapulmonary secondary malignancies. European Radiology, 2006, 16, 2586-2593.	2.3	38
118	Adjuvant chemotherapy with folinic acid and 5-fluorouracil in patients with locally advanced rectal cancer previously treated by preoperative radiochemotherapy and curative tumor resection. International Journal of Colorectal Disease, 2006, 21, 582-589.	1.0	2
119	Radiation Exposure to Patient and Staff in Hepatic Chemoembolization: Risk Estimation of Cancer and Deterministic Effects. CardioVascular and Interventional Radiology, 2006, 29, 791-796.	0.9	36
120	Noninvasive magnetic resonance thermography of soft tissue sarcomas during regional hyperthermia. Cancer, 2006, 107, 1373-1382.	2.0	125
121	Diagnostic Value of ¹²³I-IMT SPECT in the Follow-up of Head and Neck Cancer. Oncology Research and Treatment, 2006, 29, 147-152.	0.8	1
122	Intraluminal Brachytherapy of De Novo TIPS: A Prospective Randomized Double-Blind Study. American Journal of Roentgenology, 2006, 186, 1133-1137.	1.0	0
123	Differential gene expression in peripheral blood lymphocytes of cancer patients treated with whole body hyperthermia and chemotherapy: A pilot study. International Journal of Hyperthermia, 2006, 22, 625-635.	1.1	4
124	Comparison of MR-thermography and planning calculations in phantoms. Medical Physics, 2006, 33, 3912-3920.	1.6	34
125	CT-Guided Interstitial Single-Fraction Brachytherapy of Lung Tumors. Chest, 2005, 127, 2237-2242.	0.4	72
126	Quantitative measurement of leakage volume and permeability in gliomas, meningiomas and brain metastases with dynamic contrast-enhanced MRI. Magnetic Resonance Imaging, 2005, 23, 833-841.	1.0	74

#	Article	IF	Citations
127	A practical approach to thermography in a hyperthermia/magnetic resonance hybrid system: Validation in a heterogeneous phantom. International Journal of Radiation Oncology Biology Physics, 2005, 61, 267-277.	0.4	85
128	In regard to Dr. Vasanthan et al. (Int J Radiat Oncol Biol Phys 2005;61:145â€“153). International Journal of Radiation Oncology Biology Physics, 2005, 62, 940-941.	0.4	24
129	A Clinical Water-Coated Antenna Applicator for MR-Controlled Deep-Body Hyperthermia: A Comparison of Calculated and Measured 3-D Temperature Data Sets. IEEE Transactions on Biomedical Engineering, 2005, 52, 505-519.	2.5	34
130	Value of 123I-IMT SPECT for diagnosis of recurrent non-astrocytic intracranial tumours. Neuroradiology, 2005, 47, 18-26.	1.1	16
131	Regional Hyperthermia in Conjunction with Definitive Radiotherapy against Recurrent or Locally Advanced Prostate Cancer T3 pN0 M0. Strahlentherapie Und Onkologie, 2005, 181, 35-41.	1.0	64
132	Stress induced changes in lymphocyte subpopulations and associated cytokines during whole body hyperthermia of 41.8â€“42.2Â°C. European Journal of Applied Physiology, 2005, 95, 298-306.	1.2	34
133	Noninvasive Magnetic Resonance Thermography of Recurrent Rectal Carcinoma in a 1.5 Tesla Hybrid System. Cancer Research, 2005, 65, 5872-5880.	0.4	88
134	Hyperfractionated Accelerated Chemoradiation With Concurrent Fluorouracil-Mitomycin Is More Effective Than Dose-Escalated Hyperfractionated Accelerated Radiation Therapy Alone in Locally Advanced Head and Neck Cancer: Final Results of the Radiotherapy Cooperative Clinical Trials Group of the German Cancer Society 95-06 Prospective Randomized Trial. Journal of Clinical Oncology, 2005, 23, 1125-1135.	0.8	269
135	Goal-Directed Therapy of Cardiac Preload in Induced Whole-Body Hyperthermia. Chest, 2005, 128, 580-586.	0.4	8
136	Dose-Escalated Conformal Radiotherapy of Glioblastomas â€“ Results of a Retrospective Comparison Applying Radiation Doses of 60 and 70 Gy. Oncology Research and Treatment, 2005, 28, 325-330.	0.8	16
137	Introduction: Non-invasive thermometry for thermotherapy. International Journal of Hyperthermia, 2005, 21, 489-495.	1.1	61
138	Hyperthermic Intraperitoneal Chemotherapy in Patients With Peritoneal Carcinosis. Journal of Clinical Oncology, 2004, 22, 1527-1529.	0.8	10
139	Synchronous CT-guided Brachytherapy in Patients at Risk for Incomplete Interstitial Laser Ablation of Liver Malignancies. Medical Laser Application: International Journal for Laser Treatment and Research, 2004, 19, 73-82.	0.4	8
140	123I-IMT SPECT and1HMR-Spectroscopy at 3.0T in the Differential Diagnosis of Recurrent or Residual Gliomas: A Comparative Study. Journal of Neuro-Oncology, 2004, 70, 49-58.	1.4	105
141	Recurrent Rectal Cancer within the Pelvis. Strahlentherapie Und Onkologie, 2004, 180, 15-20.	1.0	23
142	CT-guided interstitial brachytherapy of liver malignancies alone or in combination with thermal ablation: phase Iâ€“II results of a novel technique. International Journal of Radiation Oncology Biology Physics, 2004, 58, 1496-1505.	0.4	157
143	Description and characterization of the novel hyperthermia- and thermoablation-system MFHÂ®300F for clinical magnetic fluid hyperthermia. Medical Physics, 2004, 31, 1444-1451.	1.6	224
144	Liver Malignancies: CT-Guided Interstitial Brachytherapy in Patients with Unfavorable Lesions for Thermal Ablation. Journal of Vascular and Interventional Radiology, 2004, 15, 1279-1286.	0.2	110

#	Article	IF	Citations
145	Clinical and physical determinants for toxicity of 125-I seed prostate brachytherapy. Radiotherapy and Oncology, 2004, 73, 39-48.	0.3	42
146	Clinical use of the hyperthermia treatment planning system HyperPlan to predict effectiveness and toxicity. International Journal of Radiation Oncology Biology Physics, 2003, 55, 407-419.	0.4	124
147	Whole body hyperthermia induces apoptosis in subpopulations of blood lymphocytes. Immunobiology, 2003, 207, 265-273.	0.8	24
148	Dynamic Expression Profile of p21WAF1/CIP1 and Ki-67 Predicts Survival in Rectal Carcinoma Treated With Preoperative Radiochemotherapy. Journal of Clinical Oncology, 2003, 21, 3391-3401.	0.8	128
149	Development and evaluation of a three-dimensional hyperthermia applicator with water-coated antennas (WACOA). Medical Physics, 2003, 30, 2052-2064.	1.6	10
150	Hyperthermia in combined treatment of cancer. Lancet Oncology, The, 2002, 3, 487-497.	5.1	1,714
151	Experimental and numerical investigation of feed-point parameters in a 3-D hyperthermia applicator using different FDTD models of feed networks. IEEE Transactions on Biomedical Engineering, 2002, 49, 1348-1359.	2.5	33
152	Restaging of Locally Advanced Carcinoma of the Rectum with MR Imaging after Preoperative Radio-Chemotherapy plus Regional Hyperthermia. Strahlentherapie Und Onkologie, 2002, 178, 386-392.	1.0	66
153	Restaging of Locally Advanced Carcinoma of the Rectum with MR Imaging after Preoperative Radio-Chemotherapy plus Regional Hyperthermia. Coloproctology, 2002, 24, 253-261.	0.3	1
154	The cellular and molecular basis of hyperthermia. Critical Reviews in Oncology/Hematology, 2002, 43, 33-56.	2.0	1,419
155	Antenna arrays in the SIGMA-eye applicator: Interactions and transforming networks. Medical Physics, 2001, 28, 1793-1805.	1.6	48
156	Presentation of a new magnetic field therapy system for the treatment of human solid tumors with magnetic fluid hyperthermia. Journal of Magnetism and Magnetic Materials, 2001, 225, 118-126.	1.0	663
157	Clinical evaluation and verification of the hyperthermia treatment planning system hyperplan. International Journal of Radiation Oncology Biology Physics, 2000, 47, 1145-1156.	0.4	98
158	Feasibility and analysis of thermal parameters for the whole-bodyhyperthermia system IRATHERM-2000. International Journal of Hyperthermia, 2000, 16, 325-339.	1.1	35
159	Electric field distributions in a phased-array applicator with 12 channels: Measurements and numerical simulations. Medical Physics, 2000, 27, 2565-2579.	1.6	58
160	Regional hyperthermia for rectal cancer. Lancet, The, 2000, 356, 771-772.	6.3	29
161	Visualization and registration of three-dimensional E-field distributions in annual-phased-array applicators. Medical Physics, 1999, 26, 653-659.	1.6	8
162	Scanning E-field sensor device for online measurements in annular phased-array systems. International Journal of Radiation Oncology Biology Physics, 1999, 43, 927-937.	0.4	15

#	Article	IF	Citations
163	Endocytosis of dextran and silan-coated magnetite nanoparticles and the effect of intracellular hyperthermia on human mammary carcinoma cells in vitro. Journal of Magnetism and Magnetic Materials, 1999, 194, 185-196.	1.0	485
164	Magnetic fluid hyperthermia (MFH): Cancer treatment with AC magnetic field induced excitation of biocompatible superparamagnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 1999, 201, 413-419.	1.0	1,339
165	Hyperthermia for treatment of rectal cancer: Evaluation for induction of multidrug resistance gene (mdr1) expression. , 1999, 80, 5-12.		18
166	Influence of patient models and numerical methods on predicted power deposition patterns. International Journal of Hyperthermia, 1999, 15, 519-540.	1.1	44
167	Three-dimensional monitoring of small temperature changes for therapeutic hyperthermia using MR. Journal of Magnetic Resonance Imaging, 1998, 8, 165-174.	1.9	67
168	Combined treatment of inoperable carcinomas of the uterine cervix with radiotherapy and regional hyperthermia. Strahlentherapie Und Onkologie, 1998, 174, 517-521.	1.0	43
169	Rationale for using invasive thermometry for regional hyperthermia of pelvic tumors. International Journal of Radiation Oncology Biology Physics, 1998, 41, 1129-1137.	0.4	75
170	Preoperative Hyperthermia Combined with Radiochemotherapy in Locally Advanced Rectal Cancer. Annals of Surgery, 1998, 227, 380-389.	2.1	137
171	Response to Editorial Comment. International Journal of Hyperthermia, 1995, 11, 869-869.	1.1	0