Chris J Diederich

List of Publications by Year
in descending order

159 papers	3,977 citations	101543 36 h-index	133252 59 g-index
161 all docs	161 docs citations	161 times ranked	2849 citing authors

#	Article	IF	Citations
1	Technical note: Lowâ€cost MRâ€compatible pneumatic respiratory organ motion simulator for the development of MRâ€guided thermal therapy. Medical Physics, 2022, 49, 4365-4371.	3.0	1
2	Microbubble-Facilitated Ultrasound Catheter Ablation Causes Microvascular Damage and Fibrosis. Ultrasound in Medicine and Biology, 2021, 47, 131-138.	1.5	3
3	AAPM Task Group 241: A medical physicistâ€™s guide to MRIâ€guided focused ultrasound body systems. Medical Physics, 2021, 48, e772-e806.	3.0	9
4	Deployable ultrasound applicators for endoluminal delivery of volumetric hyperthermia. International Journal of Hyperthermia, 2021, 38, 1188-1204.	2.5	3
5	High Contrast Ultrasonic Method With Multi-Spatiotemporal Compounding for Monitoring Catheter-Based Ultrasound Thermal Therapy: Development and Ex Vivo Evaluations. IEEE Transactions on Biomedical Engineering, 2021, 68, 3131-3141.	4.2	2
6	An Endoscopic Concentric Ring Sector-Vortex Ultrasound Phased Array Applicator for Pancreatic Tumor Ablation. , 2021, , .		1
7	Sonication strategies toward volumetric ultrasound hyperthermia treatment using the ExAblate body MRgFUS system. International Journal of Hyperthermia, 2021, 38, 1590-1600.	2.5	3
8	LIPUS far-field exposimetry system for uniform stimulation of tissues in-vitro: development and validation with bovine intervertebral disc cells. Biomedical Physics and Engineering Express, 2020, 6, 035033.	1.2	6
9	In silico feasibility assessment of extracorporeal delivery of low-intensity pulsed ultrasound to intervertebral discs within the lumbar spine. Physics in Medicine and Biology, 2020, 65, 215011.	3.0	4
10	Dual-sectored transurethral ultrasound for thermal treatment of stress urinary incontinence: in silico studies in 3D anatomical models. Medical and Biological Engineering and Computing, 2020, 58, 1325-1340.	2.8	1
11	Ultrasonic CBE monitoring approach with high contrast for thermal therapy using percutaneous catheter-based ultrasound applicators. , 2020, , .		0
12	Assessing highâ€intensity focused ultrasound treatment of prostate cancer with hyperpolarized ¹³C dualâ€agent imaging of metabolism and perfusion. NMR in Biomedicine, 2019, 32, e3962.	2.8	10
13	Deployable cylindrical phased-array applicator mimicking a concentric-ring configuration for minimally-invasive delivery of therapeutic ultrasound. Physics in Medicine and Biology, 2019, 64, 125001.	3.0	7
14	Endobronchial high-intensity ultrasound for thermal therapy of pulmonary malignancies: simulations with patient-specific lung models. International Journal of Hyperthermia, 2019, 36, 1107-1120.	2.5	7
15	Noninvasive, Targeted Creation of Neuromyelitis Optica Pathology in AQP4-IgG Seropositive Rats by Pulsed Focused Ultrasound. Journal of Neuropathology and Experimental Neurology, 2019, 78, 47-56.	1.7	7
16	A minimally invasive catheter-based ultrasound technology for therapeutic interventions in brain: initial preclinical studies. Neurosurgical Focus, 2018, 44, E13.	2.3	11
17	Transurethral high-intensity ultrasound for treatment of stress urinary incontinence (SUI): simulation studies with patient-specific models. International Journal of Hyperthermia, 2018, 34, 1236-1247.	2.5	6
18	MR thermometry-guided ultrasound hyperthermia of user-defined regions using the ExAblate prostate ablation array. Journal of Therapeutic Ultrasound, 2018, 6, 7.	2.2	16

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19	880 kHz ultrasound treatment for drug delivery to the vitreous humor. American Journal of Translational Research (discontinued), 2018, 10, 3162-3170.	0.0	2
20	Quality assurance guidelines for superficial hyperthermia clinical trials: I. Clinical requirements. International Journal of Hyperthermia, 2017, 33, 471-482.	2.5	86
21	Low Intensity Pulsed Ultrasound (LIPUS) for the treatment of intervertebral disc degeneration. Proceedings of SPIE, 2017, 10066, .	0.8	0
22	Quality assurance guidelines for superficial hyperthermia clinical trials. Strahlentherapie Und Onkologie, 2017, 193, 351-366.	2.0	73
23	Theoretical design and evaluation of endoluminal ultrasound applicators for thermal therapy of pancreatic cancer under image guidance. AIP Conference Proceedings, 2017, , .	0.4	0
24	Investigation of interstitial ultrasound ablation of spinal and paraspinal tumors: A patient-specific and parametric simulation study. AIP Conference Proceedings, 2017, , .	0.4	1
25	High-intensity interstitial ultrasound for thermal ablation of focal cancer targets in prostate. AIP Conference Proceedings, 2017, , .	0.4	1
26	Assessing temperature changes in cortical bone using variable flip-angle ultrashort echo-time MRI. AIP Conference Proceedings, 2017, , .	0.4	2
27	Thermal dosimetry analysis combined with patient-specific thermal modeling of clinical interstitial ultrasound hyperthermia integrated within HDR brachytherapy for treatment of locally advanced prostate cancer. AIP Conference Proceedings, 2017, , .	0.4	1
28	Experimental investigations of an endoluminal ultrasound applicator for MR-guided thermal therapy of pancreatic cancer. AIP Conference Proceedings, 2017, , .	0.4	1
29	Integration of deployable fluid lenses and reflectors with endoluminal therapeutic ultrasound applicators: Preliminary investigations of enhanced penetration depth and focal gain. Medical Physics, 2017, 44, 5339-5356.	3.0	5
30	Theoretical investigation of transgastric and intraductal approaches for ultrasound-based thermal therapy of the pancreas. Journal of Therapeutic Ultrasound, 2017, 5, 10.	2.2	5
31	Model-based feasibility assessment and evaluation of prostate hyperthermia with a commercial MR-guided endorectal HIFU ablation array. AIP Conference Proceedings, 2017, , .	0.4	1
32	Endoluminal ultrasound applicator configurations utilizing deployable arrays, reflectors and lenses to augment and dynamically adjust treatment volume, gain, and depth. Proceedings of SPIE, 2017, , .	0.8	1
33	Improved accuracy of ultrasound-guided therapies using electromagnetic tracking: in-vivo speed of sound measurements. Proceedings of SPIE, 2017, , .	0.8	0
34	Clinical applications of custom-made vaginal cylinders constructed using three-dimensional printing technology. Journal of Contemporary Brachytherapy, 2016, 3, 208-214.	0.9	49
35	Endoluminal ultrasound applicators for MRâ€guided thermal ablation of pancreatic tumors: Preliminary design and evaluation in a porcine pancreas model. Medical Physics, 2016, 43, 4184-4197.	3.0	9
36	Thermal therapy of pancreatic tumours using endoluminal ultrasound: Parametric and patient-specific modelling. International Journal of Hyperthermia, 2016, 32, 97-111.	2.5	19

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37	Hyperthermia in Locally Recurrent Breast Cancer. , 2016, , 145-158.		4
38	Quantifying temperature-dependent T₁changes in cortical bone using ultrashort echo-time MRI. Magnetic Resonance in Medicine, 2015, 74, 1548-1555.	3.0	22
39	A feasibility study on monitoring the evolution of apparent diffusion coefficient decrease during thermal ablation. Medical Physics, 2015, 42, 5130-5137.	3.0	8
40	Evaluation of high intensity focused ultrasound ablation of prostate tumor with hyperpolarized 13C imaging biomarkers. Proceedings of SPIE, 2015, , .	0.8	0
41	Epicardial Catheter Ablation Using High-Intensity Ultrasound. Circulation: Arrhythmia and Electrophysiology, 2015, 8, 1491-1497.	4.8	12
42	Catheter-based ultrasound technology for image-guided thermal therapy: Current technology and applications. International Journal of Hyperthermia, 2015, 31, 203-215.	2.5	28
43	Catheter-based high-intensity ultrasound for epicardial ablation of the left ventricle: device design andin vivofeasiblity. Proceedings of SPIE, 2015, , .	0.8	0
44	Development of a fast 3D treatment planning platform for clinical interstitial microwave hyperthermia within free-hand obliquely implanted HDR catheters. , 2015, , .		0
45	Model predictive control for treating cancer with ultrasonic heating. , 2015, , .		5
46	Development of an endoluminal high-intensity ultrasound applicator for image-guided thermal therapy of pancreatic tumors. Proceedings of SPIE, 2015, 9326, .	0.8	1
47	Interstitial ultrasound ablation of vertebral and paraspinal tumours: Parametric and patient-specific simulations. International Journal of Hyperthermia, 2014, 30, 228-244.	2.5	23
48	Modelâ€based feasibility assessment and evaluation of prostate hyperthermia with a commercial MRâ€guided endorectal HIFU ablation array. Medical Physics, 2014, 41, 033301.	3.0	19
49	Components of a hyperthermia clinic: Recommendations for staffing, equipment, and treatment monitoring. International Journal of Hyperthermia, 2014, 30, 1-5.	2.5	26
50	Two phase I dose-escalation/pharmacokinetics studies of low temperature liposomal doxorubicin (LTLD) and mild local hyperthermia in heavily pretreated patients with local regionally recurrent breast cancer. International Journal of Hyperthermia, 2014, 30, 285-294.	2.5	93
51	MR-guided focused ultrasound surgery, present and future. Medical Physics, 2013, 40, 080901.	3.0	97
52	Approaches for modelling interstitial ultrasound ablation of tumours within or adjacent to bone: Theoretical and experimental evaluations. International Journal of Hyperthermia, 2013, 29, 629-642.	2.5	16
53	Simulation techniques in hyperthermia treatment planning. International Journal of Hyperthermia, 2013, 29, 346-357.	2.5	160
54	Modelling of endoluminal and interstitial ultrasound hyperthermia and thermal ablation: Applications for device design, feedback control and treatment planning. International Journal of Hyperthermia, 2013, 29, 296-307.	2.5	25

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55	MR guided thermal therapy of pancreatic tumors with endoluminal, intraluminal and interstitial catheter-based ultrasound devices: preliminary theoretical and experimental investigations. , 2013, 8584, 85840V.		4
56	Interstitial ultrasound ablation of tumors within or adjacent to bone: Contributions of preferential heating at the bone surface. Proceedings of SPIE, 2013, , .	0.8	5
57	Ultrasound-Enhanced Penetration of Topical Riboflavin Into the Corneal Stroma. , 2013, 54, 5908.		36
58	Targeted hyperthermia in prostate with an MR-guided endorectal ultrasound phased array: patient specific modeling and preliminary experiments. , 2013, , .		2
59	Ex-vivoand simulation comparison of multi-angular ablation patterns using catheter-based ultrasound transducers. Proceedings of SPIE, 2013, , .	0.8	4
60	In situtreatment of liver using catheter based therapeutic ultrasound with combined imaging and GPS tracking. Proceedings of SPIE, 2013, , .	0.8	3
61	Applicators for Magnetic Resonanceâ€“Guided Ultrasonic Ablation of Benign Prostatic Hyperplasia. Investigative Radiology, 2013, 48, 387-394.	6.2	19
62	Focal ablation of prostate cancer: four roles for magnetic resonance imaging guidance. Canadian Journal of Urology, 2013, 20, 6672-81.	0.0	15
63	Multiple applicator hepatic ablation with interstitial ultrasound devices: Theoretical and experimental investigation. Medical Physics, 2012, 39, 7338-7349.	3.0	19
64	Considerations for theoretical modelling of thermal ablation with catheter-based ultrasonic sources: Implications for treatment planning, monitoring and control. International Journal of Hyperthermia, 2012, 28, 69-86.	2.5	69
65	Temperature superposition for fast computation of 3D temperature distributions during optimization and planning of interstitial ultrasound hyperthermia treatments. International Journal of Hyperthermia, 2012, 28, 235-249.	2.5	8
66	A Pilot Study of Catheter-Based Ultrasound Hyperthermia with HDR Brachytherapy for Treatment of Locally Advanced Cancer of the Prostate and Cervix. , 2011, , .		3
67	Ultrasound therapy applicators for controlled thermal modification of tissue. Proceedings of SPIE, 2011, , .	0.8	2
68	Hepatic ablation with multiple interstitial ultrasound applicators: initial ex vivo and computational studies. Proceedings of SPIE, 2011, , .	0.8	0
69	Fast optimization and planning of clinical interstitial ultrasound hyperthermia using superposition and surrogate models of temperature distributions. Proceedings of SPIE, 2011, , .	0.8	0
70	Implant strategies for endocervical and interstitial ultrasound hyperthermia adjunct to HDR brachytherapy for the treatment of cervical cancer. Physics in Medicine and Biology, 2011, 56, 3967-3984.	3.0	26
71	Endocervical ultrasound applicator for integrated hyperthermia and HDR brachytherapy in the treatment of locally advanced cervical carcinoma. Medical Physics, 2011, 38, 598-611.	3.0	20
72	Catheter-based ultrasound hyperthermia with HDR brachytherapy for treatment of locally advanced cancer of the prostate and cervix. Proceedings of SPIE, 2011, 7901, 79010O.	0.8	15

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73	Conformal needle-based ultrasound ablation using EM-tracked conebeam CT image guidance. , 2011, , .		0
74	The ACUSITT ultrasonic ablator: the first steerable needle with an integrated interventional tool. Proceedings of SPIE, 2010, , .	0.8	25
75	Optimisation-based thermal treatment planning for catheter-based ultrasound hyperthermia. International Journal of Hyperthermia, 2010, 26, 39-55.	2.5	37
76	Ultrasound Strain Imaging Towards Verification and Guidance of Prostate Thermal Therapy with Catheter-Based Ultrasound Applicators. , 2010, , .		0
77	Development of a 3D patient-specific planning platform for interstitial and transurethral ultrasound thermal therapy. , 2010, , .		0
78	Endocavity Ultrasound Hyperthermia for Locally Advanced Cervical Cancer: Patient-specific Modeling, Experimental Verification, and Combination with HDR Brachytherapy. , 2010, , .		0
79	Percutaneous computed tomography fluoroscopyâ€“guided conformal ultrasonic ablation of vertebral tumors in a rabbit tumor model. Journal of Neurosurgery: Spine, 2010, 13, 733-779.	1.7	7
80	Conformal microwave array (CMA) applicators for hyperthermia of diffuse chest wall recurrence. International Journal of Hyperthermia, 2010, 26, 686-698.	2.5	45
81	Hyperthermia classic commentary: â€˜Arrhenius relationships from the molecule and cell to the clinicâ€™ by William Dewey,Int. J. Hyperthermia, 10:457â€“483, 1994. International Journal of Hyperthermia, 2009, 25, 21-24.	2.5	18
82	Catheter-Based Ultrasound for 3D Control of Thermal Therapy. , 2009, , .		0
83	Endocavitary Ultrasound Applicator for Hyperthermia Treatment of Cervical Cancer. , 2009, , .		0
84	Patient specific optimization-based treatment planning for catheter-based ultrasound hyperthermia and thermal ablation. , 2009, , .		1
85	An intrauterine ultrasound applicator for targeted delivery of thermal therapy in conjunction with HDR brachytherapy to the cervix. , 2009, , .		0
86	Treatment delivery platform for conformal catheter-based ultrasound hyperthermia. Proceedings of SPIE, 2009, , .	0.8	1
87	Monitoring prostate thermal therapy with diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2008, 59, 1365-1372.	3.0	55
88	Catheter-based ultrasound devices and MR thermal monitoring for conformal prostate thermal therapy. , 2008, 2008, 3664-8.		8
89	Transurethral ultrasound applicators with dynamic multiâ€sector control for prostate thermal therapy: In vivo evaluation under MR guidance. Medical Physics, 2008, 35, 2081-2093.	3.0	45
90	Prostate thermal therapy with high intensity transurethral ultrasound: The impact of pelvic bone heating on treatment delivery. International Journal of Hyperthermia, 2007, 23, 609-622.	2.5	31

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91	Society of Thermal Medicine Robinson Award 2007. International Journal of Hyperthermia, 2007, 23, 473-474.	2.5	0
92	Ultrasound interstitial thermal therapy (USITT) for the treatment of uterine myomas. , 2007, 6440, 64400F.		4
93	Referenceless PRF thermometry with multi-echo processing to monitor prostate ablation. AIP Conference Proceedings, 2007, , .	0.4	0
94	Intradiscal Thermal Therapy Using Interstitial Ultrasound. Spine, 2007, 32, 503-511.	2.0	5
95	Prostate thermal therapy with catheter-based ultrasound devices and MR thermal monitoring. , 2007, , .		1
96	Referenceless MR Thermometry for Monitoring Thermal Ablation in the Prostate. IEEE Transactions on Medical Imaging, 2007, 26, 813-821.	8.9	71
97	Fast Conformal Thermal Ablation in the Prostate with Transurethral Multi-Sectored Ultrasound Devices and MR Guidance. AIP Conference Proceedings, 2007, , .	0.4	0
98	Multisectored interstitial ultrasound applicators for dynamic angular control of thermal therapy. Medical Physics, 2006, 33, 1352-1363.	3.0	26
99	Intradiscal Thermal Therapy Does Not Stimulate Biologic Remodeling in an In Vivo Sheep Model. Spine, 2006, 31, 139-145.	2.0	15
100	Magnetic Resonance-Guided High-Intensity Ultrasound Ablation of the Prostate. Topics in Magnetic Resonance Imaging, 2006, 17, 195-207.	1.2	71
101	Referenceless MR thermometry during canine prostate ablation. AIP Conference Proceedings, 2006, , .	0.4	1
102	Targeted Prostate Thermal Therapy with Catheter-Based Ultrasound Devices and MR Thermal Monitoring. AIP Conference Proceedings, 2006, , .	0.4	0
103	Assessment of MR Thermometry During High Intensity Ultrasound Ablation of the Canine Prostate. AIP Conference Proceedings, 2006, , .	0.4	3
104	Dynamic Angular Control Of Thermal Therapy With Stationary Multi-Sectored Tubular Ultrasound Applicators Under MR Temperature Monitoring. AIP Conference Proceedings, 2006, , .	0.4	1
105	Sectored interstitial ultrasound applicators for angular control of MR-guided thermal therapy (Invited Paper). , 2005, , .		0
106	Effects of thermal therapy on intervertebral discs: investigations using a miniaturized RF heating probe in a small animal model (Invited Paper). , 2005, , .		0
107	Extradiscal ultrasound thermal therapy (ExDUSTT): evaluation in ex vivo and in vivo spine models (Invited Paper). , 2005, , .		0
108	Biothermal modeling of transurethral ultrasound applicators for MR-guided prostate thermal therapy (Invited Paper). , 2005, , .		2

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109	Effects of spatial and temporal resolution for MR image-guided thermal ablation of prostate with transurethral ultrasound. Journal of Magnetic Resonance Imaging, 2005, 22, 109-118.	3.4	37
110	Catheter-Based Ultrasound Applicators for Selective Prostate Ablation With MR-Guidance. AIP Conference Proceedings, 2005, , .	0.4	0
111	MRI-guided interstitial ultrasound thermal therapy of the prostate: A feasibility study in the canine model. Medical Physics, 2005, 32, 733-743.	3.0	51
112	Curvilinear transurethral ultrasound applicator for selective prostate thermal therapy. Medical Physics, 2005, 32, 1555-1565.	3.0	55
113	Feasibility of using interstitial ultrasound for intradiscal thermal therapy: a study in human cadaver lumbar discs. Physics in Medicine and Biology, 2005, 50, 2807-2821.	3.0	8
114	Thermal ablation and high-temperature thermal therapy: Overview of technology and clinical implementation. International Journal of Hyperthermia, 2005, 21, 745-753.	2.5	269
115	Interstitial ultrasound applicators with dynamic angular control for thermal ablation of tumors under MR-guidance. , 2004, 2004, 2496-9.		4
116	Highly directional transurethral ultrasound applicators with rotational control for MRI-guided prostatic thermal therapy. Physics in Medicine and Biology, 2004, 49, 189-204.	3.0	70
117	Evaluation of temperature distributions in cadaveric lumbar spine during nucleoplasty. Physics in Medicine and Biology, 2004, 49, 1583-1594.	3.0	31
118	Transurethral ultrasound applicators with directional heating patterns for prostate thermal therapy:In vivoevaluation using magnetic resonance thermometry. Medical Physics, 2004, 31, 405-413.	3.0	96
119	Two-dimensional acoustic attenuation mapping of high-temperature interstitial ultrasound lesions. Physics in Medicine and Biology, 2004, 49, 533-546.	3.0	28
120	MRI-temperature mapping during ultrasound prostate ablation using fat for phase estimation. , 2004, 2004, 2500-2.		4
121	Catheter-based ultrasound applicators for selective thermal ablation: progress towards MRI-guided applications in prostate. International Journal of Hyperthermia, 2004, 20, 739-756.	2.5	37
122	Heat-induced changes in porcine annulus fibrosus biomechanics. Journal of Biomechanics, 2004, 37, 233-240.	2.1	47
123	Interleaved echo-planar imaging for fast multiplanar magnetic resonance temperature imaging of ultrasound thermal ablation therapy. Journal of Magnetic Resonance Imaging, 2004, 20, 706-714.	3.4	57
124	Effect of applicator diameter on lesion size from high temperature interstitial ultrasound thermal therapy. Medical Physics, 2003, 30, 1855-1863.	3.0	16
125	Temperature and Thermal Dose Distributions During Intradiscal Electrothermal Therapy in the Cadaveric Lumbar Spine. Spine, 2003, 28, 1700-1708.	2.0	28
126	Evaluation of cadaveric lumbar spine temperature distributions during nucleoplasty. , 2003, , .		0

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127	MR-guided conformal heating of canine prostate using interstitial applicators. , 2003, 4954, 220.		0
128	Title is missing!. Spine, 2003, 28, 1700-1708.	2.0	17
129	Theoretical and experimental design of site-specific applicators and heating protocols for interstitial ultrasound thermal therapy. , 2003, 4954, 159.		0
130	Magnetic-resonance-guided directional transurethral ultrasound thermal therapy. , 2003, , .		0
131	Theoretical model of internally cooled interstitial ultrasound applicators for thermal therapy. Physics in Medicine and Biology, 2002, 47, 1073-1089.	3.0	46
132	MRI-guided thermal therapy of transplanted tumors in the canine prostate using a directional transurethral ultrasound applicator. Journal of Magnetic Resonance Imaging, 2002, 15, 409-417.	3.4	99
133	Multiplanar MR temperature-sensitive imaging of cerebral thermal treatment using interstitial ultrasound applicators in a canine model. Journal of Magnetic Resonance Imaging, 2002, 16, 522-531.	3.4	51
134	Acute Biomechanical and Histological Effects of Intradiscal Electrothermal Therapy on Human Lumbar Discs. Spine, 2001, 26, 2198-2207.	2.0	84
135	IDTT therapy in cadaveric lumbar spine: temperature and thermal dose distributions. , 2001, 4247, 104.		2
136	Minimally invasive ultrasound thermal therapy with MR thermal monitoring and guidance. , 2001, , .		1
137	ICDC interstitial ultrasound applicators for high-temperature thermal therapy. , 2001, , .		0
138	Evaluation of multielement catheter-cooled interstitial ultrasound applicators for high-temperature thermal therapy. Medical Physics, 2001, 28, 1525-1534.	3.0	61
139	Control of interstitial thermal coagulation: Comparative evaluation of microwave and ultrasound applicators. Medical Physics, 2001, 28, 104-117.	3.0	36
140	Ultrasound applicators with internal water-cooling for high-powered interstitial thermal therapy. IEEE Transactions on Biomedical Engineering, 2000, 47, 1356-1365.	4.2	38
141	Novel catheter technology for ablative cure of atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2000, 4, 127-139.	1.3	19
142	Combination of transurethral and interstitial ultrasound applicators for high-temperature prostate thermal therapy. International Journal of Hyperthermia, 2000, 16, 385-403.	2.5	47
143	Thermal and SAR characterization of multielement dual concentric conductor microwave applicators for hyperthermia, a theoretical investigation. Medical Physics, 2000, 27, 745-753.	3.0	37
144	Directional power deposition from direct-coupled and catheter-cooled interstitial ultrasound applicators. International Journal of Hyperthermia, 2000, 16, 129-144.	2.5	44

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145	Prostate thermal therapy: technologies and treatment strategies. Proceedings of SPIE, 2000, , .	0.8	0
146	Angular directivity of thermal coagulation using air-cooled direct-coupled interstitial ultrasound applicators. Ultrasound in Medicine and Biology, 1999, 25, 609-622.	1.5	33
147	Ultrasound technology for hyperthermia. Ultrasound in Medicine and Biology, 1999, 25, 871-887.	1.5	198
148	<title>MR thermal monitoring of ultrasound interstitial thermal therapy</title>. , 1999, 3594, 178.		2
149	Survival benefit of hyperthermia in a prospective randomized trial of brachytherapy boost Â± hyperthermia for glioblastoma multiforme. International Journal of Radiation Oncology Biology Physics, 1998, 40, 287-295.	0.8	357
150	Minimax optimization-based inverse treatment planning for interstitial thermal therapy. International Journal of Hyperthermia, 1998, 14, 347-366.	2.5	19
151	Air-cooling of direct-coupled ultrasound applicators for interstitial hyperthermia and thermal coagulation. Medical Physics, 1998, 25, 2400-2409.	3.0	28
152	Effect of practical layered dielectric loads on SAR patterns from dual concentric conductor microstrip antennas. International Journal of Hyperthermia, 1998, 14, 553-571.	2.5	25
153	<title>Prostate thermal therapy with interstitial and transurethral ultrasound applicators: a feasibility study</title>. , 1998, , .		4
154	<title>Directional interstitial ultrasound applicators for thermal coagulation of tissue</title>. , 1998, , .		4
155	Ultrasound applicators with integrated catheter-cooling for interstitial hyperthermia: Theory and preliminary experiments. International Journal of Hyperthermia, 1996, 12, 279-297.	2.5	85
156	Direct-coupled interstitial ultrasound applicators for simultaneous thermobrachytherapy: a feasibility study. International Journal of Hyperthermia, 1996, 12, 401-419.	2.5	48
157	Pre-clinical evaluation of a microwave planar array applicator for superficial hyperthermia. International Journal of Hyperthermia, 1993, 9, 227-246.	2.5	45
158	The development of intracavitary ultrasonic applicators for hyperthermia: A design and experimental study. Medical Physics, 1990, 17, 626-634.	3.0	42
159	Induction of hyperthermia using an intracavitary multielement ultrasonic applicator. IEEE Transactions on Biomedical Engineering, 1989, 36, 432-438.	4.2	51