Paul R Stauffer

List of Publications by Year
in descending order

176 papers	5,635 citations	66343 42 h-index	98798 67 g-index
178 all docs	178 docs citations	178 times ranked	3404 citing authors

#	Article	IF	Citations
1	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
2	Magnetic Induction Heating of Ferromagnetic Implants for Inducing Localized Hyperthermia in Deep-Seated Tumors. IEEE Transactions on Biomedical Engineering, 1984, BME-31, 235-251.	4.2	175
3	Evolving technology for thermal therapy of cancer. International Journal of Hyperthermia, 2005, 21, 731-744.	2.5	166
4	Simulation techniques in hyperthermia treatment planning. International Journal of Hyperthermia, 2013, 29, 346-357.	2.5	160
5	Phantom and animal tissues for modelling the electrical properties of human liver. International Journal of Hyperthermia, 2003, 19, 89-101.	2.5	153
6	Observations on the Use of Ferromagnetic Implants for Inducing Hyperthermia. IEEE Transactions on Biomedical Engineering, 1984, BME-31, 76-90.	4.2	142
7	RTOG quality assurance guidelines for clinical trials using hyperthermia. International Journal of Radiation Oncology Biology Physics, 1990, 18, 1249-1259.	0.8	127
8	Current state of the art of regional hyperthermia treatment planning: a review. Radiation Oncology, 2015, 10, 196.	2.7	122
9	Sonophoresis. I. The use of high-frequency ultrasound to enhance transdermal drug delivery. Pharmaceutical Research, 1992, 09, 559-564.	3.5	120
10	Hyperthermia, Radiation and Chemotherapy: The Role of Heat in Multidisciplinary Cancer Care. Seminars in Oncology, 2014, 41, 714-729.	2.2	112
11	Introduction: Thermal ablation therapy. International Journal of Hyperthermia, 2004, 20, 671-677.	2.5	98
12	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
13	Evaluation of microwave and radio frequency catheter ablation in a myocardium-equivalent phantom model. IEEE Transactions on Biomedical Engineering, 1992, 39, 1086-1095.	4.2	87
14	Quality assurance guidelines for superficial hyperthermia clinical trials: I. Clinical requirements. International Journal of Hyperthermia, 2017, 33, 471-482.	2.5	86
15	Thermoradiotherapy of recurrent malignant brain tumors. International Journal of Radiation Oncology Biology Physics, 1992, 23, 853-861.	0.8	80
16	Pre-clinical investigation of the efficacy of an artificial tear solution containing hydroxypropyl-guar as a gelling agent. Current Eye Research, 2004, 28, 437-444.	1.5	74
17	Radiation patterns of dual concentric conductor microstrip antennas for superficial hyperthermia. IEEE Transactions on Biomedical Engineering, 1998, 45, 605-613.	4.2	73
18	Quality assurance guidelines for superficial hyperthermia clinical trials. Strahlentherapie Und Onkologie, 2017, 193, 351-366.	2.0	73

#	Article	IF	Citations
19	Design and Optimization of an Ultra Wideband and Compact Microwave Antenna for Radiometric Monitoring of Brain Temperature. IEEE Transactions on Biomedical Engineering, 2014, 61, 2154-2160.	4.2	71
20	Dual-mode antenna design for microwave heating and noninvasive thermometry of superficial tissue disease. IEEE Transactions on Biomedical Engineering, 2000, 47, 1500-1509.	4.2	70
21	Catheter Ablation of the Atrioventricular Junction Using a Helical Microwave Antenna: A Novel Means of Coupling Energy to the Endocardium. PACE - Pacing and Clinical Electrophysiology, 1991, 14, 2105-2113.	1.2	68
22	Interstitial Irradiation and Hyperthermia for the Treatment of Recurrent Malignant Brain Tumors. Neurosurgery, 1991, 28, 206-215.	1.1	66
23	A phase I/II study of neoadjuvant liposomal doxorubicin, paclitaxel, and hyperthermia in locally advanced breast cancer. International Journal of Hyperthermia, 2010, 26, 514-521.	2.5	66
24	The impact of temperature and urinary constituents on urine viscosity and its relevance to bladder hyperthermia treatment. International Journal of Hyperthermia, 2013, 29, 206-210.	2.5	64
25	A heterogeneous human tissue mimicking phantom for RF heating and MRI thermal monitoring verification. Physics in Medicine and Biology, 2012, 57, 2021-2037.	3.0	61
26	Non-Invasive Measurement of Brain Temperature with Microwave Radiometry: Demonstration in a Head Phantom and Clinical Case. Neuroradiology Journal, 2014, 27, 3-12.	1.2	60
27	Accuracy of real time noninvasive temperature measurements using magnetic resonance thermal imaging in patients treated for high grade extremity soft tissue sarcomas. Medical Physics, 2009, 36, 4848-4858.	3.0	59
28	RTOG quality assurance guidelines for interstitial hyperthermia. International Journal of Radiation Oncology Biology Physics, 1991, 20, 1117-1124.	0.8	58
29	Practical induction heating coil designs for clinical hyperthermia with ferromagnetic implants. IEEE Transactions on Biomedical Engineering, 1994, 41, 17-28.	4.2	57
30	Real-time MRI-guided hyperthermia treatment using a fast adaptive algorithm. Physics in Medicine and Biology, 2009, 54, 2131-2145.	3.0	55
31	Implantable helical coil microwave antenna for interstitial hyperthermia. International Journal of Hyperthermia, 1988, 4, 497-512.	2.5	54
32	A pilot clinical trial of intravesical mitomycin-C and external deep pelvic hyperthermia for non-muscle-invasive bladder cancer. International Journal of Hyperthermia, 2014, 30, 171-175.	2.5	54
33	Ultrasound applicators for interstitial thermal coagulation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1999, 46, 1218-1228.	3.0	53
34	Quality assurance guidelines for interstitial hyperthermia. International Journal of Hyperthermia, 2019, 36, 276-293.	2.5	51
35	Multifrequency radiometric determination of temperature profiles in a lossy homogeneous phantom using a dual-mode antenna with integral water bolus. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1737-1746.	4.6	49
36	Direct-coupled interstitial ultrasound applicators for simultaneous thermobrachytherapy: a feasibility study. International Journal of Hyperthermia, 1996, 12, 401-419.	2.5	48

#	Article	IF	Citations
37	Combination of transurethral and interstitial ultrasound applicators for high-temperature prostate thermal therapy. International Journal of Hyperthermia, 2000, 16, 385-403.	2.5	47
38	Hyperthermia MRI temperature measurement: Evaluation of measurement stabilisation strategies for extremity and breast tumours. International Journal of Hyperthermia, 2009, 25, 422-433.	2.5	47
39	Interstitial microwave hyperthermia in a canine brain model. International Journal of Radiation Oncology Biology Physics, 1986, 12, 1887-1897.	0.8	46
40	RTOG quality assurance guidelines for clinical trials using hyperthermia for deep-seated malignancy. International Journal of Radiation Oncology Biology Physics, 1991, 20, 1109-1115.	0.8	46
41	Pre-clinical evaluation of a microwave planar array applicator for superficial hyperthermia. International Journal of Hyperthermia, 1993, 9, 227-246.	2.5	45
42	Conformal microwave array (CMA) applicators for hyperthermia of diffuse chest wall recurrence. International Journal of Hyperthermia, 2010, 26, 686-698.	2.5	45
43	Magnetic fluid hyperthermia for bladder cancer: A preclinical dosimetry study. International Journal of Hyperthermia, 2013, 29, 835-844.	2.5	45
44	Directional power deposition from direct-coupled and catheter-cooled interstitial ultrasound applicators. International Journal of Hyperthermia, 2000, 16, 129-144.	2.5	44
45	Thermal distribution studies of helical coil microwave antennas for interstitial hyperthermia. International Journal of Radiation Oncology Biology Physics, 1988, 15, 1209-1218.	0.8	42
46	Fast temperature optimization of multi-source hyperthermia applicators with reduced-order modeling of â€˜virtual sourcesâ€™. Physics in Medicine and Biology, 2008, 53, 1619-1635.	3.0	42
47	Thermal modelling using discrete vasculature for thermal therapy: A review. International Journal of Hyperthermia, 2013, 29, 336-345.	2.5	41
48	Evaluation of a dual-arm Archimedean spiral array for microwave hyperthermia. International Journal of Hyperthermia, 2006, 22, 475-490.	2.5	40
49	Detection of Vesicoureteral Reflux Using Microwave Radiometryâ€”System Characterization With Tissue Phantoms. IEEE Transactions on Biomedical Engineering, 2011, 58, 1629-1636.	4.2	39
50	Study of the one dimensional and transient bioheat transfer equation: Multi-layer solution development and applications. International Journal of Heat and Mass Transfer, 2013, 62, 153-162.	4.8	39
51	SAR pattern perturbations from resonance effects in water bolus layers used with superficial microwave hyperthermia applicators. International Journal of Hyperthermia, 2002, 18, 180-193.	2.5	38
52	Characteristics of Microstrip Muscle-Loaded Single-Arm Archimedean Spiral Antennas as Investigated by FDTD Numerical Computations. IEEE Transactions on Biomedical Engineering, 2005, 52, 321-330.	4.2	38
53	RTOG quality assurance guidelines for clinical trials using hyperthermia administered by ultrasound. International Journal of Radiation Oncology Biology Physics, 1991, 20, 1099-1107.	0.8	37
54	Effect of complex bolus-tissue load configurations on SAR distributions from dual concentric conductor applicators. IEEE Transactions on Biomedical Engineering, 1999, 46, 1310-1319.	4.2	37

#	Article	IF	Citations
55	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
56	Focused ultrasound for treatment of bone tumours. International Journal of Hyperthermia, 2015, 31, 260-271.	2.5	37
57	Can we settle with single-band radiometric temperature monitoring during hyperthermia treatment of chestwall recurrence of breast cancer using a dual-mode transceiving applicator?. Physics in Medicine and Biology, 2007, 52, 911-928.	3.0	34
58	Modeling the detectability of vesicoureteral reflux using microwave radiometry. Physics in Medicine and Biology, 2010, 55, 5417-5435.	3.0	34
59	Multilayer conformal applicator for microwave heating and brachytherapy treatment of superficial tissue disease. International Journal of Hyperthermia, 2006, 22, 527-544.	2.5	33
60	Online feedback focusing algorithm for hyperthermia cancer treatment. International Journal of Hyperthermia, 2007, 23, 539-554.	2.5	33
61	Utility of treatment planning for thermochemotherapy treatment of nonmuscle invasive bladder carcinoma. Medical Physics, 2012, 39, 1170-1181.	3.0	33
62	Comparative thermal dosimetry of interstitial microwave and radiofrequency-LCF hyperthermia. International Journal of Hyperthermia, 1989, 5, 307-318.	2.5	32
63	Improved hyperthermia treatment control using SAR/temperature simulation and PRFS magnetic resonance thermal imaging. International Journal of Hyperthermia, 2011, 27, 86-99.	2.5	32
64	DESIGN OF MEDICAL RADIOMETER FRONT-END FOR IMPROVED PERFORMANCE. Progress in Electromagnetics Research B, 2011, 27, 289-306.	1.0	32
65	METAMATERIAL ANTENNA ARRAYS FOR IMPROVED UNIFORMITY OF MICROWAVE HYPERTHERMIA TREATMENTS. Progress in Electromagnetics Research, 2016, 156, 1-12.	4.4	32
66	Characterization of a digital microwave radiometry system for noninvasive thermometry using a temperature-controlled homogeneous test load. Physics in Medicine and Biology, 2008, 53, 3883-3901.	3.0	30
67	Novel Approaches to Treatment of Hepatocellular Carcinoma and Hepatic Metastases Using Thermal Ablation and Thermosensitive Liposomes. Surgical Oncology Clinics of North America, 2013, 22, 545-561.	1.5	30
68	Interstitial Heating Technologies. Medical Radiology, 1995, , 279-320.	0.1	30
69	Temperature changes measured in vivo at the dentinoenamel junction and pulpodentin junction during cavity preparation in the Macaca fascicularis monkey. Journal of Endodontics, 1988, 14, 336-339.	3.1	27
70	Normal brain response after interstitial microwave hyperthermia. International Journal of Hyperthermia, 1991, 7, 795-808.	2.5	27
71	Stable microwave radiometry system for long term monitoring of deep tissue temperature. Proceedings of SPIE, 2013, 8584, .	0.8	27
72	Thermal dosimetry characteristics of deep regional heating of non-muscle invasive bladder cancer. International Journal of Hyperthermia, 2014, 30, 176-183.	2.5	27

#	Article	IF	Citations
73	Interstitial thermoradiotherapy with ferromagnetic implants for locally advanced and recurrent neoplasms. International Journal of Radiation Oncology Biology Physics, 1993, 27, 109-115.	0.8	26
74	Components of a hyperthermia clinic: Recommendations for staffing, equipment, and treatment monitoring. International Journal of Hyperthermia, 2014, 30, 1-5.	2.5	26
75	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
76	Thermal characteristics of thermobrachytherapy surface applicators for treating chest wall recurrence. Physics in Medicine and Biology, 2010, 55, 1949-1969.	3.0	25
77	Thermal dosimetry for bladder hyperthermia treatment. An overview. International Journal of Hyperthermia, 2016, 32, 417-433.	2.5	25
78	Non-invasive temperature profile estimation in a lossy medium based on multi-band radiometric signals sensed by a microwave dual-purpose body-contacting antenna. International Journal of Hyperthermia, 2002, 18, 86-103.	2.5	24
79	Thermal dose fractionation affects tumour physiological response. International Journal of Hyperthermia, 2012, 28, 431-440.	2.5	24
80	Experimental assessment of phased-array heating of neck tumours. International Journal of Hyperthermia, 1990, 6, 453-474.	2.5	22
81	Treatment planning for ferromagnetic seed heating. International Journal of Radiation Oncology Biology Physics, 1991, 21, 431-439.	0.8	22
82	Performance evaluation of a conformal thermal monitoring sheet sensor array for measurement of surface temperature distributions during superficial hyperthermia treatments. International Journal of Hyperthermia, 2008, 24, 313-325.	2.5	22
83	Numerical 3D modeling of heat transfer in human tissues for microwave radiometry monitoring of brown fat metabolism. Proceedings of SPIE, 2013, 8584, .	0.8	22
84	The performance of a reduced-order adaptive controller when used in multi-antenna hyperthermia treatments with nonlinear temperature-dependent perfusion. Physics in Medicine and Biology, 2009, 54, 1979-1995.	3.0	21
85	Flow patterns and heat convection in a rectangular water bolus for use in superficial hyperthermia. Physics in Medicine and Biology, 2009, 54, 3937-3953.	3.0	21
86	Non-invasive vesicoureteral reflux detection: Heating risk studies for a new device. Journal of Pediatric Urology, 2011, 7, 624-630.	1.1	21
87	Nonparametric 1-D temperature restoration in lossy media using Tikhonov regularization on sparse radiometry data. IEEE Transactions on Biomedical Engineering, 2003, 50, 178-188.	4.2	20
88	Vesicoureteral Reflux in Children: A Phantom Study of Microwave Heating and Radiometric Thermometry of Pediatric Bladder. IEEE Transactions on Biomedical Engineering, 2011, 58, 3269-3278.	4.2	19
89	Overview of bladder heating technology: matching capabilities with clinical requirements. International Journal of Hyperthermia, 2016, 32, 407-416.	2.5	19
90	Radiation Dosimetry of a Conformal Heat-brachytherapy Applicator. Technology in Cancer Research and Treatment, 2004, 3, 347-358.	1.9	18

#	Article	IF	Citations
91	Miniature microwave applicator for murine bladder hyperthermia studies. International Journal of Hyperthermia, 2012, 28, 456-465.	2.5	18
92	Characteristics of improved microwave interstitial antennas for local hyperthermia. International Journal of Radiation Oncology Biology Physics, 1991, 20, 531-539.	0.8	17
93	Clinical utility of magnetic resonance thermal imaging (MRTI) for realtime guidance of deep hyperthermia. Proceedings of SPIE, 2009, 7181, .	0.8	17
94	Microwave hyperthermia for choroidal melanoma in rabbits. Investigative Ophthalmology and Visual Science, 1990, 31, 1754-60.	3.3	16
95	Interstitial Helical Coil Microwave Antenna for Experimental Brain Hyperthermia. Neurosurgery, 1988, 23, 564-569.	1.1	15
96	Thermal therapy techniques for skin and superficial tissue disease. Proceedings of SPIE, 2000, 10297, 321.	0.8	15
97	Automatic Temperature Controller for Multielement Array Hyperthermia Systems. IEEE Transactions on Biomedical Engineering, 2006, 53, 1006-1015.	4.2	15
98	Design of a water coupling bolus with improved flow distribution for multi-element superficial hyperthermia applicators. International Journal of Hyperthermia, 2009, 25, 554-565.	2.5	15
99	Analysis of clinical data to determine the minimum number of sensors required for adequate skin temperature monitoring of superficial hyperthermia treatments. International Journal of Hyperthermia, 2018, 34, 910-917.	2.5	15
100	A Thermal Monitoring Sheet With Low Influence From Adjacent Waterbolus for Tissue Surface Thermometry During Clinical Hyperthermia. IEEE Transactions on Biomedical Engineering, 2008, 55, 2397-2406.	4.2	14
101	Effective learning strategies for realâ€time imageâ€guided adaptive control of multipleâ€source hyperthermia applicators. Medical Physics, 2010, 37, 1285-1297.	3.0	14
102	Microwave radiometry for non-invasive detection of vesicoureteral reflux (VUR) following bladder warming. Proceedings of SPIE, 2011, 7901, 79010V.	0.8	14
103	Performance Evaluation of Various Antenna Configurations for Microwave Thermography During Superficial Hyperthermia. Journal of Electromagnetic Waves and Applications, 2001, 15, 111-134.	1.6	13
104	Optimization of a dual concentric conductor antenna for superficial hyperthermia applications. , 2004, 2004, 2518-21.		13
105	Numerical investigation of novel microwave applicators based on zero-order mode resonance for hyperthermia treatment of cancer. Journal of the Franklin Institute, 2017, 354, 8734-8746.	3.4	13
106	An improved bolus configuration for commercial multielement ultrasound and microwave hyperthermia systems. Medical Physics, 1994, 21, 1401-1403.	3.0	12
107	Microwave array applicator for radiometry-controlled superficial hyperthermia. , 2001, 4247, 19.		12
108	Microwave Radiometry for Noninvasive Monitoring of Brain Temperature. , 2018, , 87-127.		12

#	Article	IF	Citations
109	A method to convert MRI images of temperature change into images of absolute temperature in solid tumours. International Journal of Hyperthermia, 2013, 29, 569-581.	2.5	11
110	Conformal array microwave applicator for superficial hyperthermia of large contoured surfaces. , 0, , .		10
111	Improved Spatial Resolution in Thermography Obtained By a Two-Layered Structure of Microstrip Spirals. Journal of Electromagnetic Waves and Applications, 1999, 13, 307-323.	1.6	10
112	A novel compact microwave radiometric sensor to noninvasively track deep tissue thermal profiles. , 2015, , .		10
113	Feasibility Evaluation of Metamaterial Microwave Sensors for Non-Invasive Blood Glucose Monitoring. Sensors, 2021, 21, 6871.	3.8	10
114	Progress toward radiometry controlled conformal microwave array hyperthermia applicator. , 0, , .		9
115	Construction of a Conformal Water Bolus Vest Applicator for Hyperthermia Treatment of Superficial Skin Cancer. , 2004, 2004, 3467-70.		9
116	Educational article Salvage brachytherapy in combination with interstitial hyperthermia for locally recurrent prostate carcinoma following external beam radiation therapy: a prospective phase II study. Journal of Contemporary Brachytherapy, 2015, 3, 254-258.	0.9	9
117	Towards the Validation of a Commercial Hyperthermia Treatment Planning System. Microwave Journal, 2008, 51, 28-42.	2.0	9
118	Heating patterns of the Helios ultrasound hyperthermia system. International Journal of Hyperthermia, 1993, 9, 675-684.	2.5	8
119	<title>Dual-mode antenna array for microwave heating and noninvasive thermometry of superficial tissue disease</title>. , 1999, , .		7
120	Progress on system for applying simultaneous heat and brachytherapy to large-area surface disease (Invited Paper). , 2005, , .		7
121	Advances in microwave hyperthermia of large superficial tumors. , 2005, , .		7
122	Shaping and resizing of multifed slot radiators used in conformal microwave antenna arrays for hyperthermia treatment of large superficial diseases. , 2009, , .		7
123	Hyperthermia. , 2016, , 381-398.e6.		7
124	Hyperthermia. , 2010, , 1564-1593.		7
125	Hyperthermia. , 2012, , 385-403.		7
126	Clinical Practice of Interstitial Thermoradiotherapy. Medical Radiology, 1996, , 207-262.	0.1	7

#	Article	IF	Citations
127	Temperature gradients at two locations within the tooth during cavity preparation in vitro. Journal of Prosthetic Dentistry, 1988, 60, 684-688.	2.8	6
128	Characterization of a Tranceiving Antenna Concept for Microwave Heating and Thermometry of Superficial Tumors - Abstract. Journal of Electromagnetic Waves and Applications, 1998, 12, 351-352.	1.6	6
129	Combination applicator for simultaneous heat and radiation. , 2004, 2004, 2514-7.		6
130	Design of spiral antennas for radiometric temperature measurement. , 2004, 2004, 2522-5.		6
131	31P magnetic resonance spectroscopy after combined hyperthermia and radiation. Current Eye Research, 1994, 13, 151-156.	1.5	5
132	Transceiving antenna for homogeneous heating and radiometric thermometry during hyperthermia. Electronics Letters, 2000, 36, 496.	1.0	5
133	Progress on conformal microwave array applicators for heating chestwall disease. , 2007, , .		5
134	Progress on thermobrachytherapy surface applicator for superficial tissue disease. Proceedings of SPIE, 2009, 7181, .	0.8	5
135	Mathematical formulation and analysis of the nonlinear system reconstruction of the online imageâ€guided adaptive control of hyperthermia. Medical Physics, 2010, 37, 980-994.	3.0	5
136	Characterization of Ferromagnetic Composite Implants for Tumor Bed Hyperthermia. IEEE Transactions on Magnetics, 2021, 57, 1-8.	2.1	5
137	Theoretical characterization of dual concentric conductor microwave applicators for hyperthermia at 433 MHz. International Journal of Hyperthermia, 2001, 17, 258-70.	2.5	5
138	CT body stereotaxic system for placement of needle arrays. International Journal of Radiation Oncology Biology Physics, 1987, 13, 121-128.	0.8	4
139	<title>Prostate thermal therapy with interstitial and transurethral ultrasound applicators: a feasibility study</title>. , 1998, , .		4
140	<title>Directional interstitial ultrasound applicators for thermal coagulation of tissue</title>. , 1998, , .		4
141	Electromagnetic optimization of dual-mode antennas for radiometry-controlled heating of superficial tissue. , 2005, , .		4
142	Size reduction and radiation pattern shaping of multi-fed DCC slot antennas used in conformal microwave array hyperthermia applicators. , 2009, 7181, .		4
143	Monitoring brown fat metabolic activity using microwave radiometry: Antenna design and frequency selection. , 2014, , .		4
144	Tumor bed brachytherapy for locally advanced laryngeal cancer: a feasibility assessment of combination with ferromagnetic hyperthermia. Biomedical Physics and Engineering Express, 2016, 2, 055002.	1.2	4

#	Article	IF	Citations
145	Dual concentric conductor arrays for microwave hyperthermia: theoretical study of design parameters. , 0, , .		3
146	<title>Implantable microwave antennas for thermal therapy</title>. , 1998, 3249, 38.		3
147	Control time reduction using virtual source projection for treating a leg sarcoma with nonlinear perfusion. Proceedings of SPIE, 2009, 7181, .	0.8	3
148	Preclinical assessment of comfort and secure fit of thermobrachytherapy surface applicator (TBSA) on volunteer subjects. Journal of Applied Clinical Medical Physics, 2012, 13, 223-235.	1.9	3
149	Preclinical dosimetry of magnetic fluid hyperthermia for bladder cancer. Proceedings of SPIE, 2013, 8584, 1656985.	0.8	3
150	Utility of microwave radiometry for diagnostic and therapeutic applications of non-invasive temperature monitoring. , 2014, , .		3
151	Dielectric properties measurements of brown and white adipose tissue in rats from 0.5 to 10 GHz. Biomedical Physics and Engineering Express, 2016, 2, 025005.	1.2	3
152	Dual Modality Implant for Simultaneous Magnetic Nanoparticle Heating and Brachytherapy Treatment of Tumor Resection Cavities in Brain. , 2018, , .		3
153	Feasibility of removable balloon implant for simultaneous magnetic nanoparticle heating and HDR brachytherapy of brain tumor resection cavities. International Journal of Hyperthermia, 2020, 37, 1189-1201.	2.5	3
154	Possible hazards of patient anaesthesia during hyperthermia therapy. International Journal of Radiation Oncology Biology Physics, 1982, 8, 1077.	0.8	2
155	Temperature controlled microwave ring radiator for hyperthermia therapy. , 1988, , .		2
156	A 400 MHz Hyperthermia System using Rotating Spiral Antennas for Uniform Treatment of Large Superficial and Sub-Surface Tumors. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2
157	International Phase III Trial of Chemoradiotherapy Â± Hyperthermia for Locally Advanced Cervix Cancer: Interim Update on Toxicities. International Journal of Radiation Oncology Biology Physics, 2007, 69, S392-S393.	0.8	2
158	Dosimetric characterization of the thermobrachytherapy surface applicator. Brachytherapy, 2009, 8, 157-158.	0.5	2
159	Using a conformal water bolus to adjust heating patterns of microwave waveguide applicators. Proceedings of SPIE, 2017, , .	0.8	2
160	Oncologic Applications of Magnetic Resonance Guided Focused Ultrasound. Cancer Treatment and Research, 2017, , 69-108.	0.5	2
161	31P magnetic resonance spectroscopy of animal uveal melanoma. Investigative Ophthalmology and Visual Science, 1990, 31, 1745-53.	3.3	2
162	Interstitial ultrasound applicators for simultaneous thermoradiotherapy. , 1994, , .		1

#	Article	IF	Citations
163	A Phase I/II Study of Neoadjuvant Liposomal Doxorubicin, Paclitaxel and Hyperthermia in Locally Advanced Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2008, 72, S183-S184.	0.8	1
164	Novel microwave applicators based on zero-order mode resonance for hyperthermia treatment of cancer. , 2014, , .		1
165	A Comparison of Skin Pressures Produced by Three Different Brands of Stretchable Tape. Hospital Topics, 1980, 58, 46-51.	0.5	0
166	Thermal dosimetry studies of the Helios ultrasound hyperthermia system. , 1988, , .		0
167	An assessment of the deep heating capabilities of a rotating multi-transducer ultrasound hyperthermia system. , 0, , .		0
168	576 NONINVASIVE GRADE V VESICOURETERAL REFLUX DETECTION: AN ANIMAL STUDY. Journal of Urology, 2011, 185, .	0.4	0
169	An imaging study to assess displacement between brachytherapy applicator and chestwall during simultaneous thermobrachytherapy of cancer. , 2013, , .		0
170	SU-GG-T-367: Fast Hyperthermia Temperature Optimization for Pelvic Carcinoma Patient Treated in Sigma-Eye Applicator. Medical Physics, 2008, 35, 2809-2810.	3.0	0
171	SU-GG-T-366: Hyperthermia Treatment for a Patient with Two Shank Sarcomas Treated by a Fast Pre-Treatment Optimization Method. Medical Physics, 2008, 35, 2809-2809.	3.0	0
172	SUâ€GGâ€Jâ€164: Realâ€Time Magnetic Resonance Imaging (MRI) Guidance and Thermal Modeling to Focus Hyperthermia Delivery. Medical Physics, 2008, 35, 2717-2717.	3.0	0
173	WE-C-BRC-02: Combined Dynamic Contrast Enhanced Magnetic Resonance Imaging (DCE-MRI) and Magnetic Resonance Thermal Imaging (MRTI) for Optimal Hyperthermia Treatment of Advanced Extremity Sarcomas: Fifteen Patients Update. Medical Physics, 2009, 36, 2760-2760.	3.0	0
174	Phase I clinical trial of external hyperthermia and intravesical mitomycin C to treat BCG-refractory bladder cancer.. Journal of Clinical Oncology, 2013, 31, e15560-e15560.	1.6	0
175	Tissue hyperthermia: Progress in the United States and elsewhere as assessed by clinical trials and PubMed reporting.. Journal of Clinical Oncology, 2015, 33, e22172-e22172.	1.6	0
176	EVOLUTION OF ANTENNA PERFORMANCE FOR APPLICATIONS IN THERMAL MEDICNE. Proceedings of the European Conference on Antennas and Propagation, 2011, , 3080-3083.	0.0	0