Jeffrey W Hand

List of Publications by Year
in descending order

25	698	623734	642732
papers	citations	14 h-index	23 g-index

26	26	26	697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of specific absorption rate and heating in children exposed to a <scp>7T MRI</scp> head coil. Magnetic Resonance in Medicine, 2022, 88, 1434-1449.	3.0	4
2	Specific absorption rate and temperature in neonate models resulting from exposure to a 7T head coil. Magnetic Resonance in Medicine, 2021, 86, 1299-1313.	3.0	12
3	Specific absorption rate in neonates undergoing magnetic resonance procedures at 1.5â€‰T and 3â€‰T. NMR in Biomedicine, 2015, 28, 344-352.	2.8	23
4	Comparison between simulated decoupling regimes for specific absorption rate prediction in parallel transmit MRI. Magnetic Resonance in Medicine, 2015, 74, 1423-1434.	3.0	21
5	Numerical prediction of temperature elevation induced around metallic hip prostheses by traditional, split, and uniplanar gradient coils. Magnetic Resonance in Medicine, 2015, 74, 272-279.	3.0	19
6	Metrology for MRI Safety. , 2015, , .		1
7	Thermal modelling using discrete vasculature for thermal therapy: A review. International Journal of Hyperthermia, 2013, 29, 336-345.	2.5	41
8	Focusing of High-Intensity Ultrasound Through the Rib Cage Using a Therapeutic Random Phased Array. Ultrasound in Medicine and Biology, 2010, 36, 888-906.	1.5	91
9	Rapporteur report: Basics and technology and metrology and standards. Progress in Biophysics and Molecular Biology, 2007, 93, 192-194.	2.9	1
10	Assessment of magnetic field (4.7 T) induced forces on prosthetic heart valves and annuloplasty rings. Journal of Magnetic Resonance Imaging, 2005, 22, 311-317.	3.4	22
11	Mechanical Testing of Human Cardiac Tissue: Some Implications for MRI Safety. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 835-840.	3.3	38
12	Heating of biological tissues by two-dimensional phased arrays with random and regular element distributions. Acoustical Physics, 2004, 50, 222-231.	1.0	24
13	Translational and rotational forces on heart valve prostheses subjected ex vivo to a 4.7-T MR system. Journal of Magnetic Resonance Imaging, 2002, 16, 653-659.	3.4	11
14	SAR and Temperature Changes in the Leg Due to an RF Decoupling Coil at Frequencies Between 64 and 213 MHz. Journal of Magnetic Resonance Imaging, 2000, 12, 68-74.	3.4	22
15	Combined ultrasound and temperature sensor using a fibre Bragg grating. Optics Communications, 1999, 171, 225-231.	2.1	12
16	Electromagnetic and thermal modeling of SAR and temperature fields in tissue due to an RF decoupling coil. Magnetic Resonance in Medicine, 1999, 42, 183-192.	3.0	55
17	Pre-clinical evaluation of a two-channel microwave hyperthermia system with adaptive phase control in a large animal. International Journal of Hyperthermia, 1999, 15, 495-507.	2.5	5
18	In-fibre Bragg gratings for ultrasonic medical applications. Measurement Science and Technology, 1997, 8, 1050-1054.	2.6	48

#	Article	IF	Citations
19	Experimental verification of numerically predicted electric field distributions produced by a radiofrequency coil. Physics in Medicine and Biology, 1997, 42, 1395-1402.	3.0	29
20	Design and calibration of electric field probes in the range 10 - 120 MHz. Physics in Medicine and Biology, 1997, 42, 1387-1394.	3.0	11
21	Hyperthermia Therapy Physics. Medical Radiology, 1995, , 315-363.	0.1	10
22	Modeling and observation of temperature changesin Vivo using MRI. Magnetic Resonance in Medicine, 1994, 32, 358-369.	3.0	110
23	Observation by MR Imaging of In Vivo Temperature Changes Induced by Radio Frequency Hyperthermia. Journal of Computer Assisted Tomography, 1990, 14, 430-436.	0.9	78
24	An investigation into the combined effects of X-irradiation and microwave heating on pig skin. International Journal of Radiation Oncology Biology Physics, 1980, 6, 59-66.	0.8	5
25	Ultrasound hyperthermia and the prediction of heating. , 0, , .		5