

Chrit Tw Moonen

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

14,558
citations

13865

67
h-index

23533

111
g-index

245
all docs

245
docs citations

245
times ranked

10525
citing authors

#	ARTICLE	IF	CITATIONS
1	Workflow for automatic renal perfusion quantification using ASL-MRI and machine learning. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 800-809.	3.0	6
2	The Effect of Microbubble-Assisted Ultrasound on Molecular Permeability across Cell Barriers. <i>Pharmaceutics</i> , 2022, 14, 494.	4.5	6
3	Deep correction of breathing-related artifacts in real-time MR-thermometry. <i>Computerized Medical Imaging and Graphics</i> , 2021, 87, 101834.	5.8	5
4	Exploring label dynamics of velocity-selective arterial spin labeling in the kidney. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 131-142.	3.0	6
5	AAPM Task Group 241: A medical physicist's guide to MRI-guided focused ultrasound body systems. <i>Medical Physics</i> , 2021, 48, e772-e806.	3.0	9
6	Synthesis, characterization, and imaging of radiopaque bismuth beads for image-guided transarterial embolization. <i>Scientific Reports</i> , 2021, 11, 533.	3.3	9
7	Ultrasound-Mediated Drug Delivery With a Clinical Ultrasound System: In Vitro Evaluation. <i>Frontiers in Pharmacology</i> , 2021, 12, 768436.	3.5	12
8	Ultrasound and Microbubbles for the Treatment of Ocular Diseases: From Preclinical Research towards Clinical Application. <i>Pharmaceutics</i> , 2021, 13, 1782.	4.5	10
9	High-Intensity Focused Ultrasound (HIFU) Triggers Immune Sensitization of Refractory Murine Neuroblastoma to Checkpoint Inhibitor Therapy. <i>Clinical Cancer Research</i> , 2020, 26, 1152-1161.	7.0	94
10	New Developments in Imaging for Sentinel Lymph Node Biopsy in Early-Stage Oral Cavity Squamous Cell Carcinoma. <i>Cancers</i> , 2020, 12, 3055.	3.7	26
11	Influence of labeling parameters and respiratory motion on velocity-selective arterial spin labeling for renal perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1919-1932.	3.0	10
12	Spatial heterogeneity of nanomedicine investigated by multiscale imaging of the drug, the nanoparticle and the tumour environment. <i>Theranostics</i> , 2020, 10, 1884-1909.	10.0	30
13	A planning strategy for combined motion-assisted/gated MR guided focused ultrasound treatment of the pancreas. <i>International Journal of Hyperthermia</i> , 2019, 36, 701-710.	2.5	6
14	Investigation of the influence of B_0 drift on the performance of the PLANET method and an algorithm for drift correction. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1725-1740.	3.0	5
15	Tumor Drug Distribution after Local Drug Delivery by Hyperthermia, In Vivo. <i>Cancers</i> , 2019, 11, 1512.	3.7	28
16	Magnetic resonance-high intensity focused ultrasound (MR-HIFU) therapy of symptomatic uterine fibroids with unrestrictive treatment protocols: A systematic review and meta-analysis. <i>European Journal of Radiology</i> , 2019, 120, 108700.	2.6	56
17	Assessment of Intratumoral Doxorubicin Penetration after Mild Hyperthermia-Mediated Release from Thermosensitive Liposomes. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-13.	0.8	8
18	On the accuracy and precision of PLANET for multiparametric MRI using phase-cycled bSSFP imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1534-1552.	3.0	15

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19	Advanced Ultrasound Technologies for Diagnosis and Therapy. <i>Journal of Nuclear Medicine</i> , 2018, 59, 740-746.	5.0	47
20	PLANET: An ellipse fitting approach for simultaneous T_1 and T_2 mapping using phase-cycled balanced steady-state free precession. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 711-722.	3.0	40
21	Fluid filling of the digestive tract for improved proton resonance frequency shift-based MR thermometry in the pancreas. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 692-701.	3.4	6
22	Sonopermeation to improve drug delivery to tumors: from fundamental understanding to clinical translation. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1249-1261.	5.0	76
23	Triggered radiosensitizer delivery using thermosensitive liposomes and hyperthermia improves efficacy of radiotherapy: An in vitro proof of concept study. <i>PLoS ONE</i> , 2018, 13, e0204063.	2.5	12
24	OC-0187: How the sampling strategy of 2D MRI affects imaging latencies in real-time MR-guided radiotherapy. <i>Radiotherapy and Oncology</i> , 2018, 127, S100.	0.6	0
25	Microbubble-Assisted Ultrasound-Induced Transient Phosphatidylserine Translocation. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 838-851.	1.5	4
26	An Adaptive Non-Local-Means Filter for Real-Time MR-Thermometry. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 904-916.	8.9	13
27	Improved intercostal HIFU ablation using a phased array transducer based on Fermat's spiral and Voronoi tessellation: A numerical evaluation. <i>Medical Physics</i> , 2017, 44, 1071-1088.	3.0	11
28	Dynamic Fluorescence Microscopy of Cellular Uptake of Intercalating Model Drugs by Ultrasound-Activated Microbubbles. <i>Molecular Imaging and Biology</i> , 2017, 19, 683-693.	2.6	7
29	Pharmacological and physical vessel modulation strategies to improve EPR-mediated drug targeting to tumors. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 44-60.	13.7	194
30	Microbubbles-Assisted Ultrasound Triggers the Release of Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1610.	4.1	29
31	Magnetic Resonance-guided High Intensity Focused Ultrasound in the presence of biopsy markers. <i>Journal of Therapeutic Ultrasound</i> , 2017, 5, 25.	2.2	5
32	Influence of water and fat heterogeneity on fat-referenced MR thermometry. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1187-1197.	3.0	24
33	Increase of intracellular cisplatin levels and radiosensitization by ultrasound in combination with microbubbles. <i>Journal of Controlled Release</i> , 2016, 238, 157-165.	9.9	38
34	MRI methods for the evaluation of high intensity focused ultrasound tumor treatment: Current status and future needs. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 302-317.	3.0	45
35	Short and long time MR signal behavior of randomly distributed water and fat-numerical simulations. <i>NMR in Biomedicine</i> , 2016, 29, 1634-1643.	2.8	0
36	MRI monitoring of nanocarrier accumulation and release using Gadolinium- Fe_3O_4 -labelled thermosensitive liposomes. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 184-194.	0.8	14

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37	First clinical experience with a dedicated MRI-guided high-intensity focused ultrasound system for breast cancer ablation. <i>European Radiology</i> , 2016, 26, 4037-4046.	4.5	72
38	Bubble-Assisted Ultrasound: Application in Immunotherapy and Vaccination. <i>Advances in Experimental Medicine and Biology</i> , 2016, 880, 243-261.	1.6	26
39	MRI-Guided HIFU Methods for the Ablation of Liver and Renal Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2016, 880, 43-63.	1.6	38
40	A framework for the correction of slow physiological drifts during MR-guided HIFU therapies: Proof of concept. <i>Medical Physics</i> , 2015, 42, 4137-4148.	3.0	33
41	Intercostal high intensity focused ultrasound for liver ablation: The influence of beam shaping on sonication efficacy and near-field risks. <i>Medical Physics</i> , 2015, 42, 4685-4697.	3.0	16
42	Recruitment of endocytosis in sonopermeabilization-mediated drug delivery: a real-time study. <i>Physical Biology</i> , 2015, 12, 046010.	1.8	34
43	Spontaneous breathing vs. mechanical ventilation for respiratory-gated MR-HIFU ablation in the liver. <i>Journal of Therapeutic Ultrasound</i> , 2015, 3, .	2.2	1
44	Sonochemotherapy: from bench to bedside. <i>Frontiers in Pharmacology</i> , 2015, 6, 138.	3.5	84
45	Cavitation-Enhanced Back Projection for Acoustic Rib Detection and Attenuation Mapping. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1726-1736.	1.5	4
46	Development of a tumor tissue-mimicking model with endothelial cell layer and collagen gel for evaluating drug penetration. <i>International Journal of Pharmaceutics</i> , 2015, 482, 118-122.	5.2	7
47	Duration of ultrasound-mediated enhanced plasma membrane permeability. <i>International Journal of Pharmaceutics</i> , 2015, 482, 92-98.	5.2	49
48	A Direct PCA-Based Approach for Real-Time Description of Physiological Organ Deformations. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 974-982.	8.9	34
49	Quality of MR thermometry during palliative MR-guided high-intensity focused ultrasound (MR-HIFU) treatment of bone metastases. <i>Journal of Therapeutic Ultrasound</i> , 2015, 3, 5.	2.2	28
50	A Clinically Feasible Treatment Protocol for Magnetic Resonance-Guided High-Intensity Focused Ultrasound Ablation in the Liver. <i>Investigative Radiology</i> , 2015, 50, 24-31.	6.2	31
51	Mild hyperthermia influence on Herceptin [®] properties. <i>Radiology and Oncology</i> , 2015, 49, 41-49.	1.7	6
52	Spatiotemporal control of gene expression in bone-marrow derived cells of the tumor microenvironment induced by MRI guided focused ultrasound. <i>Oncotarget</i> , 2015, 6, 23417-23426.	1.8	5
53	Combined ultrasound echography and magnetic resonance imaging guidance for direct and indirect target tracking. , 2014, , .		1
54	Rapid dynamic $\langle R \rangle_{1} / \langle R \rangle_{2}^{*}$ / temperature assessment: a method with potential for monitoring drug delivery. <i>NMR in Biomedicine</i> , 2014, 27, 1267-1274.	2.8	2

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55	Assessing the barriers to image-guided drug delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 1-14.	6.1	42
56	In vivo T2 -based MR thermometry in adipose tissue layers for high-intensity focused ultrasound near-field monitoring. Magnetic Resonance in Medicine, 2014, 72, 1057-1064.	3.0	53
57	Motion Correction Techniques for MR-Guided HIFU Ablation of Abdominal Organs. , 2014, , 355-376.		1
58	Ultrasound assisted drug delivery. Advanced Drug Delivery Reviews, 2014, 72, 1-2.	13.7	5
59	Tracking of Cell Nuclei for Assessment of In Vitro Uptake Kinetics in Ultrasound-Mediated Drug Delivery Using Fibered Confocal Fluorescence Microscopy. Molecular Imaging and Biology, 2014, 16, 642-651.	2.6	6
60	Understanding ultrasound induced sonoporation: Definitions and underlying mechanisms. Advanced Drug Delivery Reviews, 2014, 72, 49-64.	13.7	598
61	Intrapleural Fluid Infusion for MR-Guided High-Intensity Focused Ultrasound Ablation in the Liver Dome. Academic Radiology, 2014, 21, 1597-1602.	2.5	11
62	MR-Guided High-Intensity Focused Ultrasound Ablation of Breast Cancer with a Dedicated Breast Platform. CardioVascular and Interventional Radiology, 2013, 36, 292-301.	2.0	82
63	The road to clinical use of high-intensity focused ultrasound for liver cancer: technical and clinical consensus. Journal of Therapeutic Ultrasound, 2013, 1, 13.	2.2	76
64	Extended Kalman Filtering for Continuous Volumetric MR-Temperature Imaging. IEEE Transactions on Medical Imaging, 2013, 32, 711-718.	8.9	21
65	Observations on the viability of C6-glioma cells after sonoporation with low-intensity ultrasound and microbubbles. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 34-45.	3.0	13
66	Real-Time Assessment of Ultrasound-Mediated Drug Delivery Using Fibered Confocal Fluorescence Microscopy. Molecular Imaging and Biology, 2013, 15, 3-11.	2.6	20
67	The effects of magnetic resonance imaging-guided high-intensity focused ultrasound ablation on human cadaver breast tissue. European Journal of Pharmacology, 2013, 717, 21-30.	3.5	7
68	MRI contrast variation of thermosensitive magnetoliposomes triggered by focused ultrasound: a tool for image-guided local drug delivery. Contrast Media and Molecular Imaging, 2013, 8, 185-192.	0.8	29
69	Real-time anticipation of organ displacement for MR-guidance of interventional procedures. , 2013, , .		2
70	Evolution of the Ablation Region After Magnetic Resonance-Guided High-Intensity Focused Ultrasound Ablation in a Vx2 Tumor Model. Investigative Radiology, 2013, 48, 381-386.	6.2	30
71	Combined magnetic resonance imaging and ultrasound echography guidance for motion compensated HIFU interventions. AIP Conference Proceedings, 2012, , .	0.4	6
72	Ultrasound-induced cell permeabilisation and hyperthermia: Strategies for local delivery of compounds with intracellular mode of action. International Journal of Hyperthermia, 2012, 28, 311-319.	2.5	37

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73	High intensity focused ultrasound with large aperture transducers: A MRI based focal point correction for tissue heterogeneity. <i>Medical Physics</i> , 2012, 39, 1936-1945.	3.0	32
74	The PRESTO technique for fMRI. <i>NeuroImage</i> , 2012, 62, 676-681.	4.2	36
75	Arrhenius analysis of the relationship between hyperthermia and Hsp70 promoter activation: A comparison between <i>ex vivo</i> and <i>in vivo</i> data. <i>International Journal of Hyperthermia</i> , 2012, 28, 441-450.	2.5	13
76	Magnetic resonance-guided high-intensity focused ultrasound (MR-HIFU) ablation of liver tumours. <i>Cancer Imaging</i> , 2012, 12, 397-394.	2.8	60
77	Public-private partnerships in translational medicine: Concepts and practical examples. <i>Journal of Controlled Release</i> , 2012, 161, 416-421.	9.9	15
78	In vivo temperature controlled ultrasound-mediated intracellular delivery of cell-impermeable compounds. <i>Journal of Controlled Release</i> , 2012, 161, 90-97.	9.9	28
79	Robust Real-Time-Constrained Estimation of Respiratory Motion for Interventional MRI on Mobile Organs. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012, 16, 365-374.	3.2	14
80	Robust Adaptive Extended Kalman Filtering for Real Time MR-Thermometry Guided HIFU Interventions. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 533-542.	8.9	40
81	Towards optimized MR thermometry of the human heart at 3T. <i>NMR in Biomedicine</i> , 2012, 25, 35-43.	2.8	12
82	Feasibility of fast MR thermometry during cardiac radiofrequency ablation. <i>NMR in Biomedicine</i> , 2012, 25, 556-562.	2.8	31
83	Simultaneous T_1 measurements and proton resonance frequency shift based thermometry using variable flip angles. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 457-463.	3.0	39
84	Quantification of near-field heating during volumetric MR-HIFU ablation. <i>Medical Physics</i> , 2011, 38, 272-282.	3.0	74
85	A fluorescent chromophore TOTO-3 as a "smart probe"™ for the assessment of ultrasound-mediated local drug delivery <i>in vivo</i> . <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 267-274.	0.8	17
86	MR-HIFU Enhanced Volumetric Ablations. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0
87	Ultrasound-mediated intracellular drug delivery using microbubbles and temperature-sensitive liposomes. <i>Journal of Controlled Release</i> , 2011, 155, 442-448.	9.9	73
88	Gradient-enhanced heteronuclear correlation spectroscopy: Theory and experimental aspects. <i>Journal of Magnetic Resonance</i> , 2011, 213, 446-466.	2.1	13
89	Automatic Nonrigid Calibration of Image Registration for Real Time MR-Guided HIFU Ablations of Mobile Organs. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1737-1745.	8.9	18
90	MR-Guided ThermoTherapy of Abdominal Organs Using a Robust PCA-Based Motion Descriptor. <i>IEEE Transactions on Medical Imaging</i> , 2011, 30, 1987-1995.	8.9	43

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91	Differential aquaporin 4 expression during edema build-up and resolution phases of brain inflammation. <i>Journal of Neuroinflammation</i> , 2011, 8, 143.	7.2	91
92	Spectrally selective pencil-beam navigator for motion compensation of MR-guided high-intensity focused ultrasound therapy of abdominal organs. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 102-111.	3.0	40
93	Real-time volumetric MRI thermometry of focused ultrasound ablation <i>in vivo</i> : a feasibility study in pig liver and kidney. <i>NMR in Biomedicine</i> , 2011, 24, 145-153.	2.8	83
94	<i>In vivo</i> characterization of tissue thermal properties of the kidney during local hyperthermia induced by MR-guided high-intensity focused ultrasound. <i>NMR in Biomedicine</i> , 2011, 24, 799-806.	2.8	31
95	Combination of Cell Delivery and Thermoinducible Transcription for <i>In Vivo</i> Spatiotemporal Control of Gene Expression: A Feasibility Study. <i>Radiology</i> , 2011, 258, 496-504.	7.3	20
96	Super-resolution for real-time volumetric MR-temperature monitoring. , 2011, , .		0
97	Influence of Ultrasound Induced Cavitation on Magnetic Resonance Imaging Contrast in the Rat Liver in the Presence of Macromolecular Contrast Agent. <i>Investigative Radiology</i> , 2010, 45, 282-287.	6.2	18
98	Real-time monitoring of radiofrequency ablation of liver tumors using thermal-dose calculation by MR temperature imaging: initial results in nine patients, including follow-up. <i>European Radiology</i> , 2010, 20, 193-201.	4.5	57
99	Improved Volumetric MR-HIFU Ablation by Robust Binary Feedback Control. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 103-113.	4.2	125
100	Ultrasound triggered, image guided, local drug delivery. <i>Journal of Controlled Release</i> , 2010, 148, 25-33.	9.9	165
101	Rapid motion correction in MR-guided high-intensity focused ultrasound heating using real-time ultrasound echo information. <i>NMR in Biomedicine</i> , 2010, 23, 1103-1108.	2.8	27
102	Real-time MR-thermometry and dosimetry for interventional guidance on abdominal organs. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1080-1087.	3.0	180
103	Motion correction in MR thermometry of abdominal organs: A comparison of the referenceless vs. the multibaseline approach. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1373-1381.	3.0	49
104	Real-time 3D target tracking in MRI guided focused ultrasound ablations in moving tissues. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1704-1712.	3.0	111
105	Renal hemodynamics and oxygenation in transient renal artery occluded rats evaluated with iron-oxide particles and oxygenation-sensitive imaging. <i>Zeitschrift Fur Medizinische Physik</i> , 2010, 20, 134-142.	1.5	19
106	Three Dimensional Motion Compensation for Real-Time MRI Guided Focused Ultrasound Treatment of Abdominal Organs. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	8
107	Inter-costal Liver Ablation Under Real Time MR-Thermometry With Partial Activation Of A HIFU Phased Array Transducer. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	1
108	A method for MRI guidance of intercostal high intensity focused ultrasound ablation in the liver. <i>Medical Physics</i> , 2010, 37, 2533-2540.	3.0	107

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109	Image-guided, noninvasive, spatiotemporal control of gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1175-1180.	7.1	77
110	Three-dimensional spatial and temporal temperature control with MR thermometry-guided focused ultrasound (MRgHIFU). Magnetic Resonance in Medicine, 2009, 61, 603-614.	3.0	117
111	Real-time geometric distortion correction for interventional imaging with echo-planar imaging (EPI). Magnetic Resonance in Medicine, 2009, 61, 994-1000.	3.0	21
112	Online real-time reconstruction of adaptive TSENSE with commodity CPU/GPU hardware. Magnetic Resonance in Medicine, 2009, 62, 1658-1664.	3.0	27
113	Volumetric HIFU ablation under 3D guidance of rapid MRI thermometry. Medical Physics, 2009, 36, 3521-3535.	3.0	264
114	Aquaporin 4 correlates with apparent diffusion coefficient and hydrocephalus severity in the rat brain: A combined MRI-histological study. NeuroImage, 2009, 47, 659-666.	4.2	93
115	Pharmacological control of head motion during cerebral blood flow imaging with CT or MRI. Journal of Neuroradiology, 2009, 36, 170-173.	1.1	3
116	The role of ultrasound and magnetic resonance in local drug delivery. Journal of Magnetic Resonance Imaging, 2008, 27, 400-409.	3.4	64
117	Improvement of MRI-functional measurement with automatic movement correction in native and transplanted kidneys. Journal of Magnetic Resonance Imaging, 2008, 28, 970-978.	3.4	41
118	Real time monitoring of radiofrequency ablation based on MR thermometry and thermal dose in the pig liver in vivo. European Radiology, 2008, 18, 408-416.	4.5	51
119	Molecular Magnetic Resonance Imaging of the Genitourinary Tract: Recent Results and Future Directions. Magnetic Resonance Imaging Clinics of North America, 2008, 16, 627-641.	1.1	1
120	Spatio-Temporal Control of Gene Expression and Cancer Treatment Using Magnetic Resonance Imaging-Guided Focused Ultrasound. Clinical Cancer Research, 2007, 13, 3482-3489.	7.0	39
121	Real-time adaptive methods for treatment of mobile organs by MRI-controlled high-intensity focused ultrasound. Magnetic Resonance in Medicine, 2007, 57, 319-330.	3.0	231
122	Gene expression and gene therapy imaging. European Radiology, 2007, 17, 305-319.	4.5	30
123	MR thermometry for monitoring tumor ablation. European Radiology, 2007, 17, 2401-2410.	4.5	136
124	Ultrasound-Induced Expression of a Heat Shock Promoter-Driven Transgene Delivered in the Kidney by Genetically Modified Mesenchymal Stem Cells. , 2007, , 171-179.		1
125	MRI-guided focused ultrasound: methodology and applications. IEEE Transactions on Medical Imaging, 2006, 25, 723-731.	8.9	49
126	MR Evaluation of the Glomerular Homing of Magnetically Labeled Mesenchymal Stem Cells in a Rat Model of Nephropathy. Radiology, 2006, 238, 200-210.	7.3	133

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127	Quantitative magnetic resonance temperature mapping for real-time monitoring of radiofrequency ablation of the liver: an ex vivo study. <i>European Radiology</i> , 2006, 16, 2265-2274.	4.5	28
128	On-Line Mobile Organ Tracking for Non-Invasive Local Hyperthermia. , 2006, , .		1
129	64-element intraluminal ultrasound cylindrical phased array for transesophageal thermal ablation under fast MR temperature mapping: An ex vivo study. <i>Medical Physics</i> , 2006, 33, 2926-2934.	3.0	36
130	A Method for Large Vessels/Brain Activity Colocalization. , 2006, , .		0
131	Local delivery of magnetic resonance (MR) contrast agent in kidney using thermosensitive liposomes and MR imaging-guided local hyperthermia: A feasibility study in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 534-540.	3.4	42
132	Intraluminal high intensity ultrasound treatment in the esophagus under fast MR temperature mapping: In vivo studies. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 975-982.	3.0	41
133	Magnetic resonance temperature imaging. <i>International Journal of Hyperthermia</i> , 2005, 21, 515-531.	2.5	145
134	3D motion estimation for on-line MR temperature mapping. , 2005, , .		4
135	Spatial and temporal control of expression of therapeutic genes using heat shock protein promoters. <i>Methods</i> , 2005, 35, 188-198.	3.8	72
136	Intraluminal ultrasound applicator compatible with magnetic resonance imaging "real-time" temperature mapping for the treatment of oesophageal tumours: An <i>ex vivo</i> study. <i>Medical Physics</i> , 2004, 31, 236-244.	3.0	24
137	In Vivo MR Imaging of Intravascularly Injected Magnetically Labeled Mesenchymal Stem Cells in Rat Kidney and Liver. <i>Radiology</i> , 2004, 233, 781-789.	7.3	232
138	Stability of real-time MR temperature mapping in healthy and diseased human liver. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 438-446.	3.4	89
139	Quantitative cerebral perfusion using the PRESTO acquisition scheme. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 930-940.	3.4	26
140	Automatic spatial and temporal temperature control for MR-guided focused ultrasound using fast 3D MR thermometry and multispiral trajectory of the focal point. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1005-1015.	3.0	101
141	A fast calculation method for magnetic field inhomogeneity due to an arbitrary distribution of bulk susceptibility. <i>Concepts in Magnetic Resonance</i> , 2003, 19B, 26-34.	1.3	319
142	Feasibility of MR-guided focused ultrasound with real-time temperature mapping and continuous sonication for ablation of VX2 carcinoma in rabbit thigh. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 89-98.	3.0	90
143	Real-time MR temperature mapping of rabbit liver in vivo during thermal ablation. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 322-330.	3.0	109
144	A PRESTO-SENSE sequence with alternating partial-Fourier encoding for rapid susceptibility-weighted 3D MRI time series. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 830-838.	3.0	28

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145	Influence of fMRI data sampling on the temporal characterization of the hemodynamic response. <i>NeuroImage</i> , 2003, 19, 1820-1828.	4.2	24
146	Diffusion-weighted MR Imaging with Apparent Diffusion Coefficient and Apparent Diffusion Tensor Maps in Cervical Spondylotic Myelopathy. <i>Radiology</i> , 2003, 229, 37-43.	7.3	209
147	Imaging the changes in renal T1 induced by the inhalation of pure oxygen: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 728-735.	3.0	53
148	Automatic control of hyperthermic therapy based on real-time Fourier analysis of MR temperature maps. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 1065-1072.	3.0	35
149	Diffusion tensor MRI of the human kidney. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 42-49.	3.4	217
150	On-line correction and visualization of motion during MRI-controlled hyperthermia. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 128-137.	3.0	81
151	Control of transgene expression using local hyperthermia in combination with a heat-sensitive promoter. <i>Journal of Gene Medicine</i> , 2000, 2, 89-96.	2.8	65
152	Hyperthermia by MR-guided focused ultrasound: Accurate temperature control based on fast MRI and a physical model of local energy deposition and heat conduction. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 342-347.	3.0	129
153	Magnetic resonance temperature imaging for guidance of thermotherapy. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 525-533.	3.4	487
154	Local hyperthermia with MR-guided focused ultrasound: Spiral trajectory of the focal point optimized for temperature uniformity in the target region. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 571-583.	3.4	140
155	Diffusion tensor MRI of the spinal cord. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 884-892.	3.0	155
156	Rapid Three-dimensional MR Imaging Method for Tracking a Bolus of Contrast Agent through the Brain. <i>Radiology</i> , 2000, 216, 603-608.	7.3	29
157	An echo-shifted gradient-echo MRI method for efficient diffusion weighting. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 1000-1008.	3.0	17
158	Fast lipid-suppressed MR temperature mapping with echo-shifted gradient-echo imaging and spectral-spatial excitation. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 53-59.	3.0	106
159	Real-Time Control of Focused Ultrasound Heating Based on Rapid MR Thermometry. <i>Investigative Radiology</i> , 1999, 34, 190-193.	6.2	72
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