

Ari Partanen

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

931
citations

623188

14
h-index

642321

23
g-index

27
all docs

27
docs citations

27
times ranked

1058
citing authors

#	ARTICLE	IF	CITATIONS
1	Image-guided drug delivery with magnetic resonance guided high intensity focused ultrasound and temperature sensitive liposomes in a rabbit Vx2 tumor model. <i>Journal of Controlled Release</i> , 2012, 158, 487-494.	4.8	242
2	Targeted drug delivery by high intensity focused ultrasound mediated hyperthermia combined with temperature-sensitive liposomes: Computational modelling and preliminary <i>in vivo</i> validation. <i>International Journal of Hyperthermia</i> , 2012, 28, 337-348.	1.1	127
3	Mild hyperthermia with magnetic resonance-guided high-intensity focused ultrasound for applications in drug delivery. <i>International Journal of Hyperthermia</i> , 2012, 28, 320-336.	1.1	119
4	Volumetric MR-HIFU ablation of uterine fibroids: Role of treatment cell size in the improvement of energy efficiency. <i>European Journal of Radiology</i> , 2012, 81, 3652-3659.	1.2	77
5	Thermochromic tissue-mimicking phantom for optimisation of thermal tumour ablation. <i>International Journal of Hyperthermia</i> , 2016, 32, 239-243.	1.1	46
6	Reduction of peak acoustic pressure and shaping of heated region by use of multifoci sonications in MR-guided high-intensity focused ultrasound mediated mild hyperthermia. <i>Medical Physics</i> , 2013, 40, 013301.	1.6	45
7	Comparison of Noninvasive High-Intensity Focused Ultrasound with Radiofrequency Ablation of Osteoid Osteoma. <i>Journal of Pediatrics</i> , 2017, 190, 222-228.e1.	0.9	42
8	Tissue-mimicking thermochromic phantom for characterization of HIFU devices and applications. <i>International Journal of Hyperthermia</i> , 2019, 36, 517-528.	1.1	34
9	Boiling histotripsy lesion characterization on a clinical magnetic resonance imaging-guided high intensity focused ultrasound system. <i>PLoS ONE</i> , 2017, 12, e0173867.	1.1	32
10	Evaluation of a tissue-mimicking thermochromic phantom for radiofrequency ablation. <i>Medical Physics</i> , 2016, 43, 4304-4311.	1.6	28
11	Technical aspects of osteoid osteoma ablation in children using MR-guided high intensity focussed ultrasound. <i>International Journal of Hyperthermia</i> , 2018, 34, 49-58.	1.1	24
12	Mechanical fractionation of tissues using microsecond-long HIFU pulses on a clinical MR-HIFU system. <i>International Journal of Hyperthermia</i> , 2018, 34, 1213-1224.	1.1	23
13	Feasibility of Agar-Silica Phantoms in Quality Assurance of MRgHIFU. <i>AIP Conference Proceedings</i> , 2009, , .	0.3	16
14	Safety limitations of MR-HIFU treatment near interfaces: a phantom validation. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 168-175.	0.8	14
15	Magnetic Resonance-Guided Drug Delivery. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 643-655.	0.6	13
16	Magnetic Resonance Imaging-guided High-intensity Focused Ultrasound Applications in Pediatrics. <i>Topics in Magnetic Resonance Imaging</i> , 2018, 27, 45-51.	0.7	10
17	A simple method for determining the coagulation threshold temperature of transparent tissue-mimicking thermal therapy gel phantoms: Validated by magnetic resonance imaging thermometry. <i>Medical Physics</i> , 2016, 43, 1167-1174.	1.6	7
18	Feasibility of targeting canine soft tissue sarcoma with MR-guided high-intensity focused ultrasound. <i>International Journal of Hyperthermia</i> , 2018, 35, 205-215.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Liver-specific 3D sectioning molds for correlating in vivo CT and MRI with tumor histopathology in woodchucks (Marmota monax). PLoS ONE, 2020, 15, e0230794.	1.1	7
20	Characterization of nonlinear ultrasound fields of 2D therapeutic arrays. , 2012, 2012, 1-4.		6
21	Characterization of magnetic resonance-guided high-intensity focused ultrasound (MRgHIFU)-induced large-volume hyperthermia in deep and superficial targets in a porcine model. International Journal of Hyperthermia, 2020, 37, 1159-1173.	1.1	4
22	Imaging, Pathology, and Immune Correlates in the Woodchuck Hepatic Tumor Model. Journal of Hepatocellular Carcinoma, 2021, Volume 8, 71-83.	1.8	4
23	MR Monitoring of the Near-Field HIFU Heating. , 2009, , .		2
24	Computational modeling of high-intensity focused ultrasound mediated drug delivery. Proceedings of SPIE, 2011, , .	0.8	1
25	Ovarian teratoma in a woodchuck (Marmota monax) with hepatocellular carcinoma: radiologic and pathologic features. BMC Veterinary Research, 2020, 16, 451.	0.7	1
26	Agar-Silica-Gel Heating Phantom May Be Suitable for Long-Term Quality Assurance of MRgHIFU. , 2009, , .		0
27	Non-invasive estimation of thermal tissue properties by high-intensity focused ultrasound. , 2013, , .		0