

Kemal Sumser

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

138
citations

1307594

7
h-index

1199594

12
g-index

18
all docs

18
docs citations

18
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic review of pre-clinical and clinical devices for magnetic resonance-guided radiofrequency hyperthermia. <i>International Journal of Hyperthermia</i> , 2020, 37, 15-27.	2.5	36
2	ESHO benchmarks for computational modeling and optimization in hyperthermia therapy. <i>International Journal of Hyperthermia</i> , 2021, 38, 1425-1442.	2.5	18
3	Feasibility and relevance of discrete vasculature modeling in routine hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , 2019, 36, 800-810.	2.5	14
4	Standardization of patient modeling in hyperthermia simulation studies: introducing the <i>Erasmus Virtual Patient Repository</i>. <i>International Journal of Hyperthermia</i> , 2020, 37, 608-616.	2.5	12
5	The Potential of Adjusting Water Bolus Liquid Properties for Economic and Precise MR Thermometry Guided Radiofrequency Hyperthermia. <i>Sensors</i> , 2020, 20, 2946.	3.8	11
6	Thermal Characterization of Phantoms Used for Quality Assurance of Deep Hyperthermia Systems. <i>Sensors</i> , 2020, 20, 4549.	3.8	10
7	Feasibility, SAR Distribution, and Clinical Outcome upon Reirradiation and Deep Hyperthermia Using the Hypercollar3D in Head and Neck Cancer Patients. <i>Cancers</i> , 2021, 13, 6149.	3.7	8
8	An MR-compatible antenna and application in a murine superficial hyperthermia applicator. <i>International Journal of Hyperthermia</i> , 2018, 34, 697-703.	2.5	7
9	Simulation guided design of the MRcollar: a MR compatible applicator for deep heating in the head and neck region. <i>International Journal of Hyperthermia</i> , 2021, 38, 382-392.	2.5	7
10	Dual-Function MR-Guided Hyperthermia: An Innovative Integrated Approach and Experimental Demonstration of Proof of Principle. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 712-717.	4.2	3
11	On the Optimal Matching Medium and the Working Frequency in Deep Pelvic Hyperthermia. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021, 5, 223-230.	3.4	3
12	Radiofrequency and microwave hyperthermia in cancer treatment. , 2022, , 281-311.		3
13	Experimental Validation of the MRcollar: An MR Compatible Applicator for Deep Heating in the Head and Neck Region. <i>Cancers</i> , 2021, 13, 5617.	3.7	3
14	Influence of the BSD-2000 3D/MR hyperthermia applicator on MR Image Quality: A Quantitative Assessment. , 2020, , .		2
15	Development and In vivo Validation of an MR-Compatible Temperature Controllable Superficial Hyperthermia Applicator for Small Animal Studies. , 2018, , .		1
16	The Required Patient Modeling Realism in Radiofrequency Heating Simulation Studies. , 2020, , .		0
17	Design of a High Selectivity Filter for MRI Guided RF Hyperthermia Therapy. , 2021, , .		0
18	Feasibility of Integrating an MR Receive Coil Array into the MRcollar. , 2020, , .		0