Ran Guo

List of Publications by Year
in descending order

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Version: 2024-02-01

19 papers	118 citations	1683934 5 h-index	1719901 7 g-index
19 all docs	19 docs citations	19 times ranked	70 citing authors

#	Article	IF	Citations
1	A technique for the reduction of RFâ€induced heating of active implantable medical devices during MRI. Magnetic Resonance in Medicine, 2022, 87, 349-364.	1.9	8
2	Magnetic resonance conditionality of abandoned leads from active implantable medical devices at 1.5 T. Magnetic Resonance in Medicine, 2022, 87, 394-408.	1.9	16
3	A Cascaded Heterogeneous Equivalent Network for Evaluating RF-Induced Hazards on Active Implantable Medical Devices. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 286-294.	1.4	0
4	Fast Prediction of RF-induced Heating for Sacral Neuromodulation System Exposed to Multi-Channel 2 RF Field at 3T MRI. , 2021, 2021, 4159-4162.		5
5	Evaluation of the RF-induced lead-tip heating of AIMDs using a Volume-Weighed Tissue-Cluster Model for 1.5T MRI. , 2021, 2021, 1527-1530.		4
6	MR Conditionality of Abandoned Leads from Active Implantable Medical Devices at 1.5T. , 2021, 2021, 7412-7415.		3
7	Fast finite-difference time-domain (FDTD) method of two dimensional target scattering calculation by two-level hierarchical approach. Optik, 2020, 203, 163951.	1.4	2
8	Numerical Investigations of MRI RF-induced Heating for Passive Implants in Birdcage and TEM Body Coils at 3 Tesla. , 2020, , .		1
9	Reducing MRI RF-induced heating for the external fixation using capacitive structures. Physics in Medicine and Biology, 2020, 65, 155017.	1.6	2
10	Reducing the Radiofrequency-Induced Heating of Active Implantable Medical Device with Load Impedance Modification. , 2020, , .		12
11	An Absorbing Radio Frequency Shield to Reduce RF Heating Induced by Deep Brain Stimulator During 1.5-T MRI. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1726-1732.	1.4	8
12	Computational and experimental investigation of RFâ€induced heating for multiple orthopedic implants. Magnetic Resonance in Medicine, 2019, 82, 1848-1858.	1.9	19
13	Impact of Electrode Structure on RF-Induced Heating for an AIMD Implanted Lead in a 1.5-Tesla MRI System. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 247-253.	2.3	12
14	Impacts of MRI frequency on RF-induced Heating for External Fixation with Insulating Material. , 2019, , .		1
15	Comparison of in-vivo and in-vitro MRI RF heating for orthopedic implant at 3 tesla. , 2017, , .		5
16	Impacts of RF shimming on local SAR caused by MRI 3T birdcage coil near femoral plate implants. , 2017, , .		4
17	Comparison of in-vivo and in-vitro MRI RF heating for orthopedic implant at 3 tesla. , 2017, , .		1
18	RF-induced heating comparison between in-vivo and in-phantom for 1.5T MRI. , 2016, , .		7

#	Article	IF	Citations
19	MRI RF-Induced Heating in Heterogeneous Human Body with Implantable Medical Device. , 0, , .		8