

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

#	ARTICLE	IF	CITATIONS
19	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