

Alessandro Arduino

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

216
citations

1163117

8
h-index

1125743

13
g-index

22
all docs

22
docs citations

22
times ranked

175
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy Assessment of Numerical Dosimetry for the Evaluation of Human Exposure to Electric Vehicle Inductive Charging Systems. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1939-1950.	2.2	25
2	Magnetic resonance-based imaging of human electric properties with phaseless contrast source inversion. Inverse Problems, 2018, 34, 084002.	2.0	22
3	CSI-EPT in Presence of RF-Shield for MR-Coils. IEEE Transactions on Medical Imaging, 2017, 36, 1396-1404.	8.9	16
4	The underestimated role of gradient coils in MRI safety. Magnetic Resonance in Medicine, 2017, 77, 13-15.	3.0	14
5	How Nucleus Mechanics and ECM Microstructure Influence the Invasion of Single Cells and Multicellular Aggregates. Bulletin of Mathematical Biology, 2018, 80, 1017-1045.	1.9	14
6	In silico evaluation of the thermal stress induced by MRI switched gradient fields in patients with metallic hip implant. Physics in Medicine and Biology, 2019, 64, 245006.	3.0	13
7	Heating of hip joint implants in MRI: The combined effect of RF and switched gradient fields. Magnetic Resonance in Medicine, 2021, 85, 3447-3462.	3.0	13
8	Gradient coil and radiofrequency induced heating of orthopaedic implants in MRI: influencing factors. Physics in Medicine and Biology, 2021, 66, 245024.	3.0	11
9	EPTlib: An Open-Source Extensible Collection of Electric Properties Tomography Techniques. Applied Sciences (Switzerland), 2021, 11, 3237.	2.5	10
10	In silico assessment of collateral eddy current heating in biocompatible implants subjected to magnetic hyperthermia treatments. International Journal of Hyperthermia, 2021, 38, 846-861.	2.5	10
11	Parametric analysis of transient skin heating induced by terahertz radiation. Bioelectromagnetics, 2014, 35, 314-323.	1.6	9
12	Computational Low-Frequency Electromagnetic Dosimetry Based on Magnetic Field Measurements. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 302-309.	3.4	9
13	Monte Carlo Method for Uncertainty Propagation in Magnetic Resonance-Based Electric Properties Tomography. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
14	A fast tool for the parametric analysis of human body exposed to LF electromagnetic fields in biomedical applications. Computer Methods and Programs in Biomedicine, 2022, 214, 106543.	4.7	8
15	A contribution to MRI safety testing related to gradient-induced heating of medical devices. Magnetic Resonance in Medicine, 2022, 88, 930-944.	3.0	8
16	Douglas-Gunn Method Applied to Dosimetric Assessment in Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7
17	RF-induced heating of metallic implants simulated as PEC: Is there something missing?. Magnetic Resonance in Medicine, 2021, 85, 583-586.	3.0	7
18	Alternative Approaches to Magnetic Resonance-Based Electric Properties Tomography and Local Specific Absorption Rate Estimation. IEEE Transactions on Magnetics, 2017, 53, 1-8.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Exposure of Live-Line Workers to Magnetic Fields: A Dosimetric Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 2429.	2.6	4
20	Mathematical modeling for the design of evolution experiments to study the genetic instability of metabolically engineered photosynthetic microorganisms. Algal Research, 2020, 52, 102093.	4.6	1
21	Optimization of Light and Nutrients Supply to Stabilize Long-Term Industrial Cultivation of Metabolically Engineered Cyanobacteria: A Model-Based Analysis. Industrial & Engineering Chemistry Research, 2021, 60, 10455-10465.	3.7	1
22	Uncertainty propagation in phaseless electric properties tomography. , 2019, , .		0