Alessandro Arduino

List of Publications by Year
in descending order

22	216	1163117 8	1125743 13
papers	citations	h-index	g-index

22	22	22	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	A contribution to <scp>MRI</scp> safety testing related to gradientâ€induced heating of medical devices. Magnetic Resonance in Medicine, 2022, 88, 930-944.	3.0	8
3	RFâ€induced heating of metallic implants simulated as PEC: Is there something missing?. Magnetic Resonance in Medicine, 2021, 85, 583-586.	3.0	7
4	Heating of hip joint implants in MRI: The combined effect of RF and switchedâ€gradient fields. Magnetic Resonance in Medicine, 2021, 85, 3447-3462.	3.0	13
5	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
6	EPTlib: An Open-Source Extensible Collection of Electric Properties Tomography Techniques. Applied Sciences (Switzerland), 2021, 11, 3237.	2.5	10
7	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
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	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
10	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
11	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
12	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
13	Uncertainty propagation in phaseless electric properties tomography. , 2019, , .		0
14	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
15	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
16	Magnetic resonance-based imaging of human electric properties with phaseless contrast source inversion. Inverse Problems, 2018, 34, 084002.	2.0	22
17	CSI-EPT in Presence of RF-Shield for MR-Coils. IEEE Transactions on Medical Imaging, 2017, 36, 1396-1404.	8.9	16
18	Douglasâ€“Gunn Method Applied to Dosimetric Assessment in Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7

#	Article	IF	Citations
19	Monte Carlo Method for Uncertainty Propagation in Magnetic Resonance-Based Electric Properties Tomography. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
20	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
21	The underestimated role of gradient coils in MRI safety. Magnetic Resonance in Medicine, 2017, 77, 13-15.	3.0	14
22	Parametric analysis of transient skin heating induced by terahertz radiation. Bioelectromagnetics, 2014, 35, 314-323.	1.6	9