

Hector SI Sanchez-Lopez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7936106/publications.pdf>

Version: 2024-02-01

16
papers

343
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

259
citing authors

#	ARTICLE	IF	CITATIONS
1	An analysis of the gradient-induced electric fields and current densities in human models when situated in a hybrid MRI-LINAC system. <i>Physics in Medicine and Biology</i> , 2014, 59, 233-245.	3.0	20
2	Numerical Safety Study of Currents Induced in the Patient During Rotations in the Static Field Produced by a Hybrid MRI-LINAC System. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 784-793.	4.2	10
3	Skin and proximity effects in the conductors of split gradient coils for a hybrid Linac-MRI scanner. <i>Journal of Magnetic Resonance</i> , 2014, 242, 86-94.	2.1	13
4	Multilayer integral method for simulation of eddy currents in thin volumes of arbitrary geometry produced by MRI gradient coils. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1912-1922.	3.0	27
5	Flanged-edge transverse gradient coil design for a hybrid LINAC-MRI system. <i>Journal of Magnetic Resonance</i> , 2013, 226, 70-78.	2.1	22
6	Simulation and analysis of the interactions between split gradient coils and a split magnet cryostat in an MRI-PET system. <i>Journal of Magnetic Resonance</i> , 2012, 222, 8-15.	2.1	10
7	Simulation of Gradient-Coil-Induced Eddy Currents and Their Effects on a Head-Only HTS MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 3592-3598.	1.7	21
8	Eddy current simulation in thick cylinders of finite length induced by coils of arbitrary geometry. <i>Journal of Magnetic Resonance</i> , 2010, 207, 251-261.	2.1	31
9	Minimax current density coil design. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 095001.	2.8	32
10	Evaluating passively shielded gradient coil configurations for optimal eddy current compensation. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 195005.	2.8	7
11	An improved equivalent magnetization current method applied to the design of local breast gradient coils. <i>Journal of Magnetic Resonance</i> , 2009, 199, 48-55.	2.1	28
12	Equivalent Magnetization Current Method Applied to the Design of Gradient Coils for Magnetic Resonance Imaging. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 767-775.	2.1	50
13	Passive Shim Design and a Shimming Approach for Biplanar Permanent Magnetic Resonance Imaging Magnets. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 394-402.	2.1	40
14	A Simple Relationship for High Efficiency-Gradient Uniformity Tradeoff in Multilayer Asymmetric Gradient Coils for Magnetic Resonance Imaging. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 523-532.	2.1	12
15	Three-Dimensional Gradient Coil Structures for Magnetic Resonance Imaging Designed Using Fuzzy Membership Functions. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 3558-3566.	2.1	15
16	Toward designing asymmetric head gradient coils for high-resolution imaging. <i>Concepts in Magnetic Resonance Part B</i> , 2007, 31B, 1-11.	0.7	5