

Ibrahim A Elabyad

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

103
citations

1684188

5
h-index

1588992

8
g-index

15
all docs

15
docs citations

15
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	First In Vivo Potassium-39 ^{39}K MRI at 7 T With Combined Eight-Element Stepped Impedance Resonators and Traveling-Wave Antenna. IEEE Transactions on Biomedical Engineering, 2014, 61, 334-345.	4.2	17
2	RF Shimming and Improved SAR Safety for MRI at 7 T With Combined Eight-Element Stepped Impedance Resonators and Traveling-Wave Antenna. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 540-555.	4.6	17
3	Design of a novel antisymmetric coil array for parallel transmit cardiac MRI in pigs at 7 T. Journal of Magnetic Resonance, 2019, 305, 195-208.	2.1	12
4	Design and Evaluation of a Novel Symmetric Multichannel Transmit/Receive Coil Array for Cardiac MRI in Pigs at 7 T. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3928-3945.	4.6	12
5	A Novel Mono-surface Antisymmetric 8Tx/16Rx Coil Array for Parallel Transmit Cardiac MRI in Pigs at 7T. Scientific Reports, 2020, 10, 3117.	3.3	11
6	Design and Implementation of Two 16-Element Antisymmetric Transceiver Coil Arrays for Parallel Transmission Human Cardiac MRI at 7 T. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3540-3557.	4.6	8
7	Global optimization of default phases for parallel transmit coils for ultra-high-field cardiac MRI. PLoS ONE, 2021, 16, e0255341.	2.5	6
8	Travelling wave approach for high field magnetic resonance imaging. , 2010, , .		4
9	An investigation of alternating impedance microstrip transceiver coil arrays for MRI at 7T. , 2011, , .		4
10	Improved field homogeneity for multi-channel stepped impedance microstrip transceiver arrays and travelling wave for MRI at 7T. , 2016, , .		3
11	A novel antisymmetric 16-element transceiver dipole antenna array for parallel transmit cardiac MRI in pigs at 7 T. NMR in Biomedicine, 2022, 35, e4726.	2.8	3
12	Space-Charge Plane-Wave Interaction at Semiconductor Substrate Boundary. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2609-2618.	4.6	2
13	Combination of travelling wave approach and microstrip transceiver coil arrays for MRI at 7T. , 2011, , .		2
14	Wave reflection from semiconductor half-space based on charge transport model. , 2008, , .		1
15	Enhancing the detector sensitivity of a Radio-Frequency surface resonator for Potassium-39 MRI at 18.7 MHz: Probing different geometries at various temperatures. , 2012, , .		1