

Ibrahim A Elabyad

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

103
citations

1684188

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all docs

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docs citations

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times ranked

109
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A novel antisymmetric 16-element transceiver dipole antenna array for parallel transmit cardiac MRI in pigs at 7T. NMR in Biomedicine, 2022, 35, e4726. | 2.8 | 3 |
| 2 | 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 |
| 3 | Global optimization of default phases for parallel transmit coils for ultra-high-field cardiac MRI. PLoS ONE, 2021, 16, e0255341. | 2.5 | 6 |
| 4 | 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 |
| 5 | Design of a novel antisymmetric coil array for parallel transmit cardiac MRI in pigs at 7T. Journal of Magnetic Resonance, 2019, 305, 195-208. | 2.1 | 12 |
| 6 | 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 |
| 7 | 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 |
| 8 | Improved field homogeneity for multi-channel stepped impedance microstrip transceiver arrays and travelling wave for MRI at 7T. , 2016, , . | | 3 |
| 9 | First In Vivo Potassium-39 & formula formulatype="inline"& & tex Notation="TeX"& \$(^f) Tj ETQq1 1 0.784314 rgBT /Overload Coil Cooled to 77 K. IEEE Transactions on Biomedical Engineering, 2014, 61, 334-345. | 4.2 | 17 |
| 10 | 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 |
| 11 | Combination of travelling wave approach and microstrip transceiver coil arrays for MRI at 7T. , 2011, , . | | 2 |
| 12 | An investigation of alternating impedance microstrip transceiver coil arrays for MRI at 7T. , 2011, , . | | 4 |
| 13 | Space-Charge Plane-Wave Interaction at Semiconductor Substrate Boundary. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2609-2618. | 4.6 | 2 |
| 14 | Travelling wave approach for high field magnetic resonance imaging. , 2010, , . | | 4 |
| 15 | Wave reflection from semiconductor half-space based on charge transport model. , 2008, , . | | 1 |