

# Jonas Reber

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

162  
citations

6  
h-index

12  
g-index

21  
ext. papers

212  
ext. citations

7.2  
avg. IF

2.61  
L-index

#	Paper	IF	Citations
20	A high-performance gradient insert for rapid and short-T imaging at full duty cycle. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 3256-3266	4.4	40
19	Symmetrically biased T/R switches for NMR and MRI with microsecond dead time. <i>Journal of Magnetic Resonance</i> , <b>2016</b> , 263, 147-155	3	22
18	Adsorbed Eutectic GaIn Structures on a Neoprene Foam for Stretchable MRI Coils. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703744	24	16
17	A Fully Integrated Dual-Channel On-Coil CMOS Receiver for Array Coils in 1.5-10.5 T MRI. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , <b>2017</b> , 11, 1245-1255	5.1	15
16	On the Bending and Stretching of Liquid Metal Receive Coils for Magnetic Resonance Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 1542-1548	5	11
15	Detector clothes for MRI: A wearable array receiver based on liquid metal in elastic tubes. <i>Scientific Reports</i> , <b>2020</b> , 10, 8844	4.9	6
14	High-resolution short-T MRI using a high-performance gradient. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 1933-1946	4.4	6
13	Multi-Rate Acquisition for Dead Time Reduction in Magnetic Resonance Receivers: Application to Imaging With Zero Echo Time. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 408-416	11.7	6
12	Integrated CMOS receiver for wearable coil arrays in MRI applications <b>2015</b> ,		6
11	T-Hex: Tilted hexagonal grids for rapid 3D imaging. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2507-2523	4.4	5
10	27.4 A sub-1dB NF dual-channel on-coil CMOS receiver for Magnetic Resonance Imaging <b>2017</b> ,		4
9	An In-Bore Receiver for Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 997-1007	11.7	4
8	Gradient Response Harvesting for Continuous System Characterization During MR Sequences. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 806-815	11.7	4
7	A wearable bluetooth LE sensor for patient monitoring during MRI scans. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 4975-4978	0.9	3
6	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. <i>NeuroImage</i> , <b>2021</b> , 246, 118738	7.9	3
5	Advances in Spiral fMRI: A High-resolution Study with Single-shot Acquisition		3
4	Automatic Resonance Frequency Retuning of Stretchable Liquid Metal Receive Coil for Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1420-1426	11.7	3

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| 3 | A Reconfigurable Platform for Magnetic Resonance Data Acquisition and Processing. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 1138-1148 | 11.7 | 3 |
| 2 | Motion detection with NMR markers using real-time field tracking in the laboratory frame. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 89-102  | 4.4  | 2 |
| 1 | Advances in spiral fMRI: A high-resolution dataset.. <i>Data in Brief</i> , <b>2022</b> , 42, 108050  | 1.2  |   |