

# Jonas Reber

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1620440/jonas-reber-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Advances in spiral fMRI: A high-resolution dataset.. <i>Data in Brief</i> , <b>2022</b> , 42, 108050	1.2	
19	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. <i>NeuroImage</i> , <b>2021</b> , 246, 118738	7.9	3
18	T-Hex: Tilted hexagonal grids for rapid 3D imaging. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2507-2523	4.4	5
17	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
16	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
15	An In-Bore Receiver for Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 997-1007	11.7	4
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	27.4 A sub-1dB NF dual-channel on-coil CMOS receiver for Magnetic Resonance Imaging <b>2017</b> ,		4
6	Adsorbed Eutectic GaIn Structures on a Neoprene Foam for Stretchable MRI Coils. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703744	24	16
5	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
4	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

3	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
2	Integrated CMOS receiver for wearable coil arrays in MRI applications <b>2015</b> ,		6
1	Advances in Spiral fMRI: A High-resolution Study with Single-shot Acquisition		3