

# Roberta Frass-Kriegl

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6625839/publications.pdf>

Version: 2024-02-01

14  
papers

271  
citations

933410

10  
h-index

1058452

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-sensitivity TMS/fMRI of the Human Motor Cortex Using a Dedicated Multichannel MR Coil. <i>NeuroImage</i> , 2017, 150, 262-269.	4.2	43
2	A form-fitted three channel <sup>31</sup> P, two channel <sup>1</sup> H transceiver coil array for calf muscle studies at 7 T. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2376-2389.	3.0	40
3	Novel inductive decoupling technique for flexible transceiver arrays of monolithic transmission line resonators. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1669-1681.	3.0	26
4	Flexible 23-channel coil array for high-resolution magnetic resonance imaging at 3 Tesla. <i>PLoS ONE</i> , 2018, 13, e0206963.	2.5	24
5	In vivo MRI of the human finger at 7 T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 588-592.	3.0	23
6	Flexible Multi-Turn Multi-Gap Coaxial RF Coils: Design Concept and Implementation for Magnetic Resonance Imaging at 3 and 7 Tesla. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1267-1278.	8.9	19
7	Multi-turn multi-gap transmission line resonators – Concept, design and first implementation at 4.7 T and 7 T. <i>Journal of Magnetic Resonance</i> , 2016, 273, 65-72.	2.1	18
8	Interleaved multivoxel <sup>31</sup> P MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 921-927.	3.0	16
9	Dynamic multivoxel-localized <sup>31</sup> P MRS during plantar flexion exercise with variable knee angle. <i>NMR in Biomedicine</i> , 2018, 31, e3905.	2.8	13
10	A flexible 12-channel transceiver array of transmission line resonators for 7T MRI. <i>Journal of Magnetic Resonance</i> , 2018, 296, 47-59.	2.1	13
11	Multi-Loop Radio Frequency Coil Elements for Magnetic Resonance Imaging: Theory, Simulation, and Experimental Investigation. <i>Frontiers in Physics</i> , 2020, 7, .	2.1	12
12	Proton-decoupled carbon magnetic resonance spectroscopy in human calf muscles at 7 T using a multi-channel radiofrequency coil. <i>Scientific Reports</i> , 2018, 8, 6211.	3.3	10
13	Perspectives in Wireless Radio Frequency Coil Development for Magnetic Resonance Imaging. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	9
14	Design, Implementation, and Evaluation of a Head and Neck MRI RF Array Integrated with a 511 keV Transmission Source for Attenuation Correction in PET/MR. <i>Sensors</i> , 2019, 19, 3297.	3.8	5