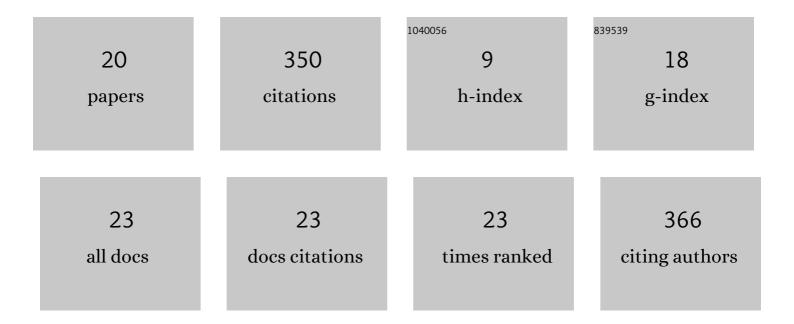
## Rainer Körber

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/982249/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	SQUIDs in biomagnetism: a roadmap towards improved healthcare. Superconductor Science and Technology, 2016, 29, 113001.	3.5	67
2	An ultra-sensitive and wideband magnetometer based on a superconducting quantum interference device. Applied Physics Letters, 2017, 110, .	3.3	66
3	Magnetic resonance imaging at frequencies below 1 kHz. Magnetic Resonance Imaging, 2013, 31, 171-177.	1.8	33
4	Measures to reduce the residual field and field gradient inside a magnetically shielded room by a factor of more than 10. Metrology and Measurement Systems, 2013, 20, 239-248.	1.4	32
5	On the feasibility of neurocurrent imaging by low-field nuclear magnetic resonance. Applied Physics Letters, 2010, 96, 233701.	3.3	26
6	Are brain currents detectable by means of low-field NMR? A phantom study. Magnetic Resonance Imaging, 2011, 29, 1365-1373.	1.8	24
7	An advanced phantom study assessing the feasibility of neuronal current imaging by ultra-low-field NMR. Journal of Magnetic Resonance, 2013, 237, 182-190.	2.1	23
8	Type-I superconductor pick-up coil in superconducting quantum interference device-based ultra-low field nuclear magnetic resonance. Applied Physics Letters, 2014, 104, .	3.3	20
9	Pulsed Optically Pumped Magnetometers: Addressing Dead Time and Bandwidth for the Unshielded Magnetorelaxometry of Magnetic Nanoparticles. Sensors, 2021, 21, 1212.	3.8	15
10	Noninvasive neuromagnetic single-trial analysis of human neocortical population spikes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
11	Detection of body noise with an ultra-sensitive SQUID system. Measurement Science and Technology, 2019, 30, 125103.	2.6	9
12	Simultaneous measurements of somatosensory evoked AC and near-DC MEG signals. Biomedizinische Technik, 2011, 56, 91-97.	0.8	6
13	Superconductors in SQUID-Based Ultralow Field NMR—Flux-Trapping in Type-II Wires. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
14	Ultra-sensitive SQUID Systems for Pulsed Fields—Degaussing Superconducting Pick-Up Coils. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	4
15	Towards Ultrasensitive SQUIDs Based on Submicrometer-Sized Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	4
16	Evaluating the Performance of Ultra-Low-Field MRI for in-vivo 3D Current Density Imaging of the Human Head. Frontiers in Physics, 2020, 8, .	2.1	2
17	Improved Thermal Insulation Performance for Structured Metallic Coatings to Reduce Thermal Noise in Superinsulation. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-3.	1.7	1
18	Ultra-sensitive SQUID systems for applications in biomagnetism and ultra-low field MRI. , 2019, , .		1

#	Article	IF	CITATIONS
19	Erratum to "Towards Ultrasensitive SQUIDs Based on Submicrometer-Sized Josephson Junctions―[Oct 20 Art. no. 1600705]. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-2.	1.7	ο

20 Neuronal Current Imaging with Ultra-Low-Field NMR Techniques. , 2014, , 973-978.

0