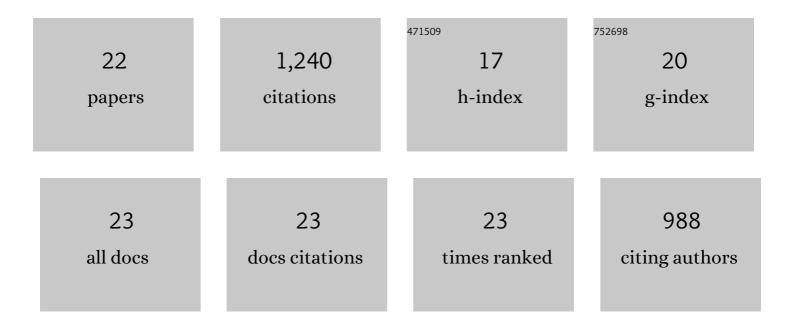
## **Christoph Barmet**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2655308/publications.pdf Version: 2024-02-01



CHRISTORN RARMET

#	Article	IF	CITATIONS
1	Spatiotemporal magnetic field monitoring for MR. Magnetic Resonance in Medicine, 2008, 60, 187-197.	3.0	172
2	NMR probes for measuring magnetic fields and field dynamics in MR systems. Magnetic Resonance in Medicine, 2008, 60, 176-186.	3.0	172
3	Gradient system characterization by impulse response measurements with a dynamic field camera. Magnetic Resonance in Medicine, 2013, 69, 583-593.	3.0	148
4	Higher order reconstruction for MRI in the presence of spatiotemporal field perturbations. Magnetic Resonance in Medicine, 2011, 65, 1690-1701.	3.0	135
5	A field camera for MR sequence monitoring and system analysis. Magnetic Resonance in Medicine, 2016, 75, 1831-1840.	3.0	91
6	A transmit/receive system for magnetic field monitoring of in vivo MRI. Magnetic Resonance in Medicine, 2009, 62, 269-276.	3.0	83
7	Image reconstruction using a gradient impulse response model for trajectory prediction. Magnetic Resonance in Medicine, 2016, 76, 45-58.	3.0	57
8	Singleâ€shot spiral imaging enabled by an expanded encoding model: <scp>D</scp> emonstration in diffusion <scp>MRI</scp> . Magnetic Resonance in Medicine, 2017, 77, 83-91.	3.0	48
9	Analysis of temperature dependence of background phase errors in phase-contrast cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 97.	3.3	46
10	Realâ€ŧime motion correction using gradient tones and headâ€nounted <scp>NMR</scp> field probes. Magnetic Resonance in Medicine, 2015, 74, 647-660.	3.0	41
11	Diffusion MRI with concurrent magnetic field monitoring. Magnetic Resonance in Medicine, 2015, 74, 925-933.	3.0	39
12	Dynamic nuclear magnetic resonance field sensing with part-per-trillion resolution. Nature Communications, 2016, 7, 13702.	12.8	33
13	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. NeuroImage, 2018, 168, 88-100.	4.2	32
14	Matched-filter acquisition for BOLD fMRI. NeuroImage, 2014, 100, 145-160.	4.2	31
15	Gradient and shim preâ€emphasis by inversion of a linear timeâ€invariant system model. Magnetic Resonance in Medicine, 2017, 78, 1607-1622.	3.0	26
16	Singleâ€shot spiral imaging at 7 <scp>T</scp> . Magnetic Resonance in Medicine, 2018, 80, 1836-1846.	3.0	23
17	Fast Higher-Order MR Image Reconstruction Using Singular-Vector Separation. IEEE Transactions on Medical Imaging, 2012, 31, 1396-1403.	8.9	18
18	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. Neurolmage, 2022, 246, 118738.	4.2	18

CHRISTOPH BARMET

#	Article	IF	CITATIONS
19	Concurrent recording of RF pulses and gradient fields – comprehensive field monitoring for MRI. NMR in Biomedicine, 2016, 29, 1162-1172.	2.8	16
20	Ultrafast Ligand Self-Exchanging Gadolinium Complexes in Ionic Liquids for NMR Field Probes. Inorganic Chemistry, 2018, 57, 2314-2319.	4.0	5
21	Erratum to "Fast Higher-Order MR Image Reconstruction Using Singular-Vector Separation―[Jul 12 1396-1403]. IEEE Transactions on Medical Imaging, 2012, 31, 1833-1833.	8.9	0
22	Advances in spiral fMRI: A high-resolution dataset. Data in Brief, 2022, 42, 108050.	1.0	0