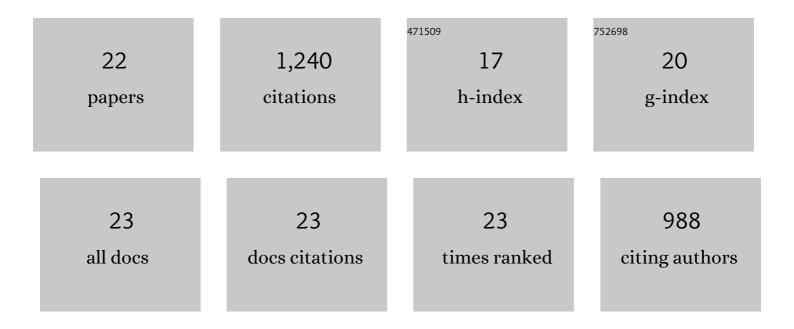
## **Christoph Barmet**

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<br>Medicine, 2008, 60, 176-186.   | 3.0  | 172       |
| 3  | Gradient system characterization by impulse response measurements with a dynamic field camera.<br>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<br>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<br>Medicine, 2009, 62, 269-276.  | 3.0  | 83        |
| 7  | Image reconstruction using a gradient impulse response model for trajectory prediction. Magnetic<br>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.<br>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<br>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.<br>NMR in Biomedicine, 2016, 29, 1162-1172.                              | 2.8 | 16        |
| 20 | Ultrafast Ligand Self-Exchanging Gadolinium Complexes in Ionic Liquids for NMR Field Probes.<br>Inorganic Chemistry, 2018, 57, 2314-2319.                                | 4.0 | 5         |
| 21 | Erratum to "Fast Higher-Order MR Image Reconstruction Using Singular-Vector Separation―[Jul 12<br>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         |