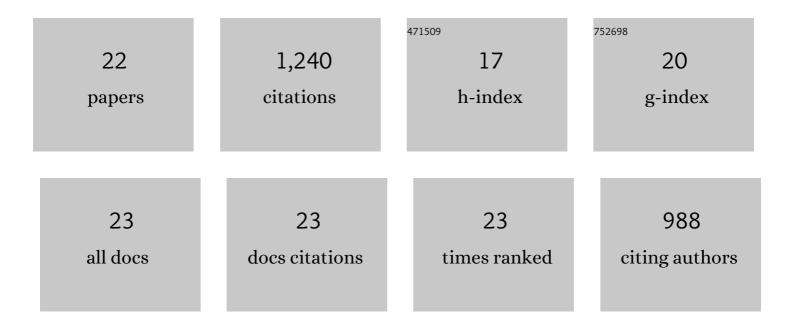
Christoph Barmet

List of Publications by Year in descending order

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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 |