David O Brunner

List of Publications by Year
in descending order

26	773	516710 16	580821 25
papers	citations	h-index	g-index

26	26	26	968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the signalâ€toâ€noise ratio benefit of spiral acquisition in diffusion MRI. Magnetic Resonance in Medicine, 2021, 85, 1924-1937.	3.0	28
2	Elastomer coils for wearable MR detection. Magnetic Resonance in Medicine, 2021, 85, 2882-2891.	3.0	10
3	HYFI: Hybrid filling of the deadâ€time gap for faster zero echo time imaging. NMR in Biomedicine, 2021, 34, e4493.	2.8	21
4	A Reconfigurable Platform for Magnetic Resonance Data Acquisition and Processing. IEEE Transactions on Medical Imaging, 2020, 39, 1138-1148.	8.9	5
5	An In-Bore Receiver for Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 997-1007.	8.9	6
6	A transmitâ€“receive array for brain imaging with a highâ€performance gradient insert. Magnetic Resonance in Medicine, 2020, 84, 2278-2289.	3.0	3
7	Highâ€resolution shortâ€T₂ MRI using a highâ€performance gradient. Magnetic Resonance in Medicine, 2020, 84, 1933-1946.	3.0	13
8	Prospective motion correction with NMR markers using only native sequence elements. Magnetic Resonance in Medicine, 2018, 79, 2046-2056.	3.0	22
9	Filling the deadâ€time gap in zero echo time MRI: Principles compared. Magnetic Resonance in Medicine, 2018, 79, 2036-2045.	3.0	30
10	Multi-Rate Acquisition for Dead Time Reduction in Magnetic Resonance Receivers: Application to Imaging With Zero Echo Time. IEEE Transactions on Medical Imaging, 2018, 37, 408-416.	8.9	9
11	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. NeuroImage, 2018, 168, 88-100.	4.2	32
12	Real-time probing of granular dynamics with magnetic resonance. Science Advances, 2017, 3, e1701879.	10.3	50
13	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
14	A Fully Integrated Dual-Channel On-Coil CMOS Receiver for Array Coils in 1.5â€“10.5 T MRI. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1245-1255.	4.0	20
15	A field camera for MR sequence monitoring and system analysis. Magnetic Resonance in Medicine, 2016, 75, 1831-1840.	3.0	91
16	Utility of real-time field control in T₂ *-Weighted head MRI at 7T. Magnetic Resonance in Medicine, 2016, 76, 430-439.	3.0	28
17	Concurrent recording of RF pulses and gradient fields â€“ comprehensive field monitoring for MRI. NMR in Biomedicine, 2016, 29, 1162-1172.	2.8	16
18	Dynamic nuclear magnetic resonance field sensing with part-per-trillion resolution. Nature Communications, 2016, 7, 13702.	12.8	33

#	Article	IF	Citations
19	<scp>SVD</scp> analysis of Array transmission and reception and its use for bootstrapping calibration. Magnetic Resonance in Medicine, 2016, 76, 1730-1740.	3.0	1
20	Symmetrically biased T/R switches for NMR and MRI with microsecond dead time. Journal of Magnetic Resonance, 2016, 263, 147-155.	2.1	28
21	Realâ€time motion correction using gradient tones and headâ€mounted <scp>NMR</scp> field probes. Magnetic Resonance in Medicine, 2015, 74, 647-660.	3.0	41
22	Integrated CMOS Receiver for Wearable Coil Arrays in MRI Applications. , 2015, , .		6
23	Diffusion MRI with concurrent magnetic field monitoring. Magnetic Resonance in Medicine, 2015, 74, 925-933.	3.0	39
24	Matched-filter acquisition for BOLD fMRI. NeuroImage, 2014, 100, 145-160.	4.2	31
25	Travelling-wave nuclear magnetic resonance. Nature, 2009, 457, 994-998.	27.8	160
26	Computational Analysis and Validation of Coil Arrays for Whole-Brain MR-Imaging at 7 T. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	2