Barbara Dymerska

List of Publications by Year
in descending order

24	744	623734 14	610901 24
papers	citations	h-index	g-index

25	25	25	1357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An illustrated comparison of processing methods for MR phase imaging and QSM: combining array coil signals and phase unwrapping. NMR in Biomedicine, 2017, 30, e3601.	2.8	124
2	Key clinical benefits of neuroimaging at 7 T. NeuroImage, 2018, 168, 477-489.	4.2	113
3	Comparison of Routine Brain Imaging at 3 T and 7 T. Investigative Radiology, 2016, 51, 469-482.	6.2	82
4	Computationally Efficient Combination of Multiâ€channel Phase Data From Multiâ€echo Acquisitions (ASPIRE). Magnetic Resonance in Medicine, 2018, 79, 2996-3006.	3.0	72
5	A method for the dynamic correction of B 0 -related distortions in single-echo EPI at 7 T. NeuroImage, 2018, 168, 321-331.	4.2	57
6	Combining phase images from array coils using a short echo time reference scan (COMPOSER). Magnetic Resonance in Medicine, 2017, 77, 318-327.	3.0	49
7	Phase unwrapping with a rapid opensource minimum spanning tree algorithm (ROMEO). Magnetic Resonance in Medicine, 2021, 85, 2294-2308.	3.0	48
8	Contribution of the easy axis orientation, anisotropy distribution and dot size on the switching field distribution of bit patterned media. Applied Physics Letters, 2011, 99, .	3.3	26
9	In vivo MRI of the human finger at 7 T. Magnetic Resonance in Medicine, 2018, 79, 588-592.	3.0	23
10	Correcting dynamic distortions in 7T echo planar imaging using a jittered echo time sequence. Magnetic Resonance in Medicine, 2016, 76, 1388-1399.	3.0	20
11	A comparison of static and dynamic âˆ†B₀ mapping methods for correction of CEST MRI in the presence of temporal B₀ field variations. Magnetic Resonance in Medicine, 2019, 82, 633-646.	3.0	19
12	FePt L10/A1 graded media with a rough interphase boundary. Applied Physics Letters, 2011, 98, 222501.	3.3	16
13	The clinical relevance of distortion correction in presurgical fMRI at 7 T. NeuroImage, 2018, 168, 490-498.	4.2	16
14	Differential functional benefits of ultra highfield MR systems within the language network. NeuroImage, 2014, 103, 163-170.	4.2	14
15	In vivo phase imaging of human epiphyseal cartilage at 7 T. Magnetic Resonance in Medicine, 2018, 79, 2149-2155.	3.0	12
16	Scaling dependence and tailoring of the pinning field in FePt-based exchange coupled composite media. Nanotechnology, 2014, 25, 045604.	2.6	9
17	Realâ€time motion and retrospective coil sensitivity correction for CEST using volumetric navigators (vNavs) at 7T. Magnetic Resonance in Medicine, 2021, 85, 1909-1923.	3.0	9
18	Fabrication and high-resolution electron microscopy study of FePt L1₀ /A1 graded exchange spring media. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1305-1310.	1.8	8

#	Article	IF	Citations
19	Exchange bias effect in partially oxidized amorphous Feâ€“Niâ€“B based metallic glass nanostructures. Journal of Physics Condensed Matter, 2012, 24, 256004.	1.8	7
20	Improving the clinical potential of ultra-high field fMRI using a model-free analysis method based on response consistency. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 435-449.	2.0	6
21	Robust presurgical functional <scp>MRI</scp> at 7 <scp>T</scp> using response consistency. Human Brain Mapping, 2017, 38, 3163-3174.	3.6	5
22	Micromagnetic study of exchange spring media with a rough interface on an example of FePt films. Journal Physics D: Applied Physics, 2012, 45, 495001.	2.8	4
23	The Impact of Echo Time Shifts and Temporal Signal Fluctuations on BOLD Sensitivity in Presurgical Planning at 7 T. Investigative Radiology, 2019, 54, 340-348.	6.2	3
24	Monomer consumption in MAGIC-type polymer gels in the Bragg-peak of proton beams observed by volume selective1H MR-spectroscopy (MRS): proof of principle for high resolution MRS-methodology with a sensitive rf-detector. Journal of Physics: Conference Series, 2013, 444, 012096.	0.4	1