Boris Keil

List of Publications by Year
in descending order

34	2,097	394421	395702
papers	citations	19 h-index	33 g-index

36	36	36	2590
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Human Connectome Project and beyond: Initial applications of 300mT/m gradients. NeuroImage, 2013, 80, 234-245.	4.2	309
2	Organization of high-level visual cortex in human infants. Nature Communications, 2017, 8, 13995.	12.8	224
3	MGHâ€“USC Human Connectome Project datasets with ultra-high b-value diffusion MRI. NeuroImage, 2016, 124, 1108-1114.	4.2	209
4	A 64â€channel 3T array coil for accelerated brain MRI. Magnetic Resonance in Medicine, 2013, 70, 248-258.	3.0	202
5	Massively parallel MRI detector arrays. Journal of Magnetic Resonance, 2013, 229, 75-89.	2.1	143
6	Sizeâ€optimized 32â€channel brain arrays for 3 T pediatric imaging. Magnetic Resonance in Medicine, 2011, 66, 1777-1787.	3.0	118
7	A 32â€channel combined RF and B₀ shim array for 3T brain imaging. Magnetic Resonance in Medicine, 2016, 75, 441-451.	3.0	106
8	Feasibility of using linearly polarized rotating birdcage transmitters and close-fitting receive arrays in MRI to reduce SAR in the vicinity of deep brain simulation implants. Magnetic Resonance in Medicine, 2017, 77, 1701-1712.	3.0	70
9	In vivo mapping of human spinal cord microstructure at 300 mT/m. NeuroImage, 2015, 118, 494-507.	4.2	69
10	Construction and modeling of a reconfigurable MRI coil for lowering SAR in patients with deep brain stimulation implants. NeuroImage, 2017, 147, 577-588.	4.2	58
11	Connectome 2.0: Developing the next-generation ultra-high gradient strength human MRI scanner for bridging studies of the micro-, meso- and macro-connectome. NeuroImage, 2021, 243, 118530.	4.2	58
12	Investigating the Capability to Resolve Complex White Matter Structures with High b-Value Diffusion Magnetic Resonance Imaging on the MGH-USC Connectom Scanner. Brain Connectivity, 2014, 4, 718-726.	1.7	53
13	Nineteen-channel receive array and four-channel transmit array coil for cervical spinal cord imaging at 7T. Magnetic Resonance in Medicine, 2014, 72, 291-300.	3.0	52
14	Intracortical depth analyses of frequency-sensitive regions of human auditory cortex using 7T fMRI. NeuroImage, 2016, 143, 116-127.	4.2	46
15	Ultra high-field (7tesla) magnetic resonance spectroscopy in Amyotrophic Lateral Sclerosis. PLoS ONE, 2017, 12, e0177680.	2.5	45
16	Selective responses to faces, scenes, and bodies in the ventral visual pathway of infants. Current Biology, 2022, 32, 265-274.e5.	3.9	43
17	A 31â€channel MR brain array coil compatible with positron emission tomography. Magnetic Resonance in Medicine, 2015, 73, 2363-2375.	3.0	38
18	In vivo human whole-brain Connectom diffusion MRI dataset at 760â€‰Âµm isotropic resolution. Scientific Data, 2021, 8, 122.	5.3	37

#	Article	IF	Citations
19	Cortical Localization of Microbleeds in Cerebral Amyloid Angiopathy: An Ultra High-Field 7T MRI Study. Journal of Alzheimer's Disease, 2014, 43, 1325-1330.	2.6	35
20	Representational similarity precedes category selectivity in the developing ventral visual pathway. NeuroImage, 2019, 197, 565-574.	4.2	29
21	Coilâ€toâ€coil physiological noise correlations and their impact on functional MRI timeâ€series signalâ€toâ€noise ratio. Magnetic Resonance in Medicine, 2016, 76, 1708-1719.	3.0	21
22	Mapping the human connectome using diffusion MRI at 300 mT/m gradient strength: Methodological advances and scientific impact. NeuroImage, 2022, 254, 118958.	4.2	18
23	Comprehensive diffusion MRI dataset for in vivo human brain microstructure mapping using 300 mT/m gradients. Scientific Data, 2022, 9, 7.	5.3	16
24	A 31â€channel integrated â€œAC/DCâ€•B₀ shim and radiofrequency receive array coil for improved 7T MRI. Magnetic Resonance in Medicine, 2022, 87, 1074-1092.	3.0	14
25	A 48-channel receive array coil for mesoscopic diffusion-weighted MRI of exÂvivo human brain on the 3 T connectome scanner. NeuroImage, 2021, 238, 118256.	4.2	13
26	A patientâ€friendly 16â€channel transmit/64â€channel receive coil array for combined headâ€“neck MRI at 7 Tesla. Magnetic Resonance in Medicine, 2022, 88, 1419-1433.	3.0	13
27	A sizeâ€adaptive 32â€channel array coil for awake infant neuroimaging at 3ÂTesla MRI. Magnetic Resonance in Medicine, 2021, 86, 1773-1785.	3.0	11
28	Dense, shapeâ€optimized posterior 32â€channel coil for submillimeter functional imaging of visual cortex at 3T. Magnetic Resonance in Medicine, 2016, 76, 321-328.	3.0	10
29	Ultra-high field (7T) functional magnetic resonance imaging in amyotrophic lateral sclerosis: a pilot study. NeuroImage: Clinical, 2021, 30, 102648.	2.7	10
30	Response patterns in the developing social brain are organized by social and emotion features and disrupted in children diagnosed with autism spectrum disorder. Cortex, 2020, 125, 12-29.	2.4	9
31	General design approach and practical realization of decoupling matrices for parallel transmission coils. Magnetic Resonance in Medicine, 2016, 76, 329-339.	3.0	8
32	Optimized 64â€channel array configurations for accelerated simultaneous multislice acquisitions in 3T cardiac MRI. Magnetic Resonance in Medicine, 2021, 86, 2276-2289.	3.0	7
33	A 32-Channel Head Coil Array with Circularly Symmetric Geometry for Accelerated Human Brain Imaging. PLoS ONE, 2016, 11, e0149446.	2.5	3
34	Nineteen-channel receive array and four-channel transmit array coil for cervical spinal cord imaging at 7T. Magnetic Resonance in Medicine, 2014, 72, spcone-spcone.	3.0	0