Lars Kasper

List of Publications by Year
in descending order

42 papers	2,293 citations	361413 20 h-index	302126 39 g-index
54 all docs	54 docs citations	54 times ranked	2679 citing authors

#	Article	IF	Citations
1	Mono‑planar T‑Hex: Speed and flexibility for high‑resolution 3D imaging. Magnetic Resonance in Medicine, 2022, 87, 272-280.	3.0	1
2	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. NeuroImage, 2022, 246, 118738.	4.2	18
3	Advances in spiral fMRI: A high-resolution dataset. Data in Brief, 2022, 42, 108050.	1.0	0
4	CG‑SENSE revisited: Results from the first ISMRM reproducibility challenge. Magnetic Resonance in Medicine, 2021, 85, 1821-1839.	3.0	22
5	T‑Hex: Tilted hexagonal grids for rapid 3D imaging. Magnetic Resonance in Medicine, 2021, 85, 2507-2523.	3.0	11
6	Cholinergic and dopaminergic effects on prediction error and uncertainty responses during sensory associative learning. NeuroImage, 2021, 226, 117590.	4.2	31
7	Whole-brain estimates of directed connectivity for human connectomics. NeuroImage, 2021, 225, 117491.	4.2	20
8	Hemodynamic modeling of long‑term aspirin effects on blood oxygenated level dependent responses at 7 Tesla in patients at cardiovascular risk. European Journal of Neuroscience, 2021, 53, 1262-1278.	2.6	0
9	The Path to Parent-Inclusive Conferences. Journal of the American College of Radiology, 2021, 18, 334-336.	1.8	0
10	A Hilbert-based method for processing respiratory timeseries. NeuroImage, 2021, 230, 117787.	4.2	11
11	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. Frontiers in Psychiatry, 2021, 12, 680811.	2.6	69
12	Feasibility of spiral fMRI based on an LTI gradient model. NeuroImage, 2021, 245, 118674.	4.2	5
13	Resonate: Reaching Excellence Through Equity, Diversity, and Inclusion in <scp>ISMRM</scp>. Journal of Magnetic Resonance Imaging, 2021, 53, 1608-1611.	3.4	3
14	A Reconfigurable Platform for Magnetic Resonance Data Acquisition and Processing. IEEE Transactions on Medical Imaging, 2020, 39, 1138-1148.	8.9	5
15	The relationship between resting-state functional connectivity, antidepressant discontinuation and depression relapse. Scientific Reports, 2020, 10, 22346.	3.3	14
16	T64. LINKING SUBCLINICAL PERSECUTORY IDEATION TO INFLEXIBLE SOCIAL INFERENCE UNDER UNCERTAINTY. Schizophrenia Bulletin, 2020, 46, S255-S256.	4.3	0
17	Hierarchical Bayesian models of social inference for probing persecutory delusional ideation.. Journal of Abnormal Psychology, 2020, 129, 556-569.	1.9	24
18	Neural arbitration between social and individual learning systems. ELife, 2020, 9, .	6.0	14

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19	Editorial Note to: Hierarchical Prediction Errors in Midbrain and Basal Forebrain during Sensory Learning. Neuron, 2019, 101, 1195.	8.1	0
20	A method for correcting breathing‐induced field fluctuations in T2*‐weighted spinal cord imaging using a respiratory trace. Magnetic Resonance in Medicine, 2019, 81, 3745-3753.	3.0	18
21	Laminar fMRI and computational theories of brain function. NeuroImage, 2019, 197, 699-706.	4.2	54
22	Single‐shot spiral imaging at 7 T. Magnetic Resonance in Medicine, 2018, 80, 1836-1846.	3.0	23
23	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. NeuroImage, 2018, 168, 88-100.	4.2	32
24	A generative model of whole-brain effective connectivity. NeuroImage, 2018, 179, 505-529.	4.2	83
25	Physiology recording with magnetic field probes for fMRI denoising. NeuroImage, 2017, 154, 106-114.	4.2	8
26	Analysis and correction of field fluctuations in fMRI data using field monitoring. NeuroImage, 2017, 154, 92-105.	4.2	38
27	Feedback field control improves the precision of T_2* quantification at 7 T. NMR in Biomedicine, 2017, 30, e3753.	2.8	9
28	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. Journal of Neuroscience Methods, 2017, 276, 56-72.	2.5	289
29	Single‐shot spiral imaging enabled by an expanded encoding model: Demonstration in diffusion MRI. Magnetic Resonance in Medicine, 2017, 77, 83-91.	3.0	48
30	Hierarchical prediction errors in midbrain and septum during social learning. Social Cognitive and Affective Neuroscience, 2017, 12, 618-634.	3.0	103
31	A field camera for MR sequence monitoring and system analysis. Magnetic Resonance in Medicine, 2016, 75, 1831-1840.	3.0	91
32	Image reconstruction using a gradient impulse response model for trajectory prediction. Magnetic Resonance in Medicine, 2016, 76, 45-58.	3.0	57
33	Real‐time motion correction using gradient tones and head‐mounted NMR field probes. Magnetic Resonance in Medicine, 2015, 74, 647-660.	3.0	41
34	Monitoring, analysis, and correction of magnetic field fluctuations in echo planar imaging time series. Magnetic Resonance in Medicine, 2015, 74, 396-409.	3.0	35
35	Diffusion MRI with concurrent magnetic field monitoring. Magnetic Resonance in Medicine, 2015, 74, 925-933.	3.0	39
36	Inferring on the Intentions of Others by Hierarchical Bayesian Learning. PLoS Computational Biology, 2014, 10, e1003810.	3.2	134

#	ARTICLE	IF	CITATIONS
37	Matched-filter acquisition for BOLD fMRI. NeuroImage, 2014, 100, 145-160.	4.2	31
38	Gradient system characterization by impulse response measurements with a dynamic field camera. Magnetic Resonance in Medicine, 2013, 69, 583-593.	3.0	148
39	Magnetic resonance imaging (MRI) study of jet formation in packed beds. Chemical Engineering Science, 2013, 97, 406-412.	3.8	18
40	Hierarchical Prediction Errors in Midbrain and Basal Forebrain during Sensory Learning. Neuron, 2013, 80, 519-530.	8.1	285
41	MRI of cellular layers in mouse brain in vivo. NeuroImage, 2009, 47, 1252-1260.	4.2	56
42	Nonlinear dynamic causal models for fMRI. NeuroImage, 2008, 42, 649-662.	4.2	374