

# Lars Kasper

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1277266/publications.pdf>

Version: 2024-02-01

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	Nonlinear dynamic causal models for fMRI. <i>NeuroImage</i> , 2008, 42, 649-662.	4.2	374
2	The PhysIO Toolbox for Modeling Physiological Noise in fMRI Data. <i>Journal of Neuroscience Methods</i> , 2017, 276, 56-72.	2.5	289
3	Hierarchical Prediction Errors in Midbrain and Basal Forebrain during Sensory Learning. <i>Neuron</i> , 2013, 80, 519-530.	8.1	285
4	Gradient system characterization by impulse response measurements with a dynamic field camera. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 583-593.	3.0	148
5	Inferring on the Intentions of Others by Hierarchical Bayesian Learning. <i>PLoS Computational Biology</i> , 2014, 10, e1003810.	3.2	134
6	Hierarchical prediction errors in midbrain and septum during social learning. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 618-634.	3.0	103
7	A field camera for MR sequence monitoring and system analysis. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1831-1840.	3.0	91
8	A generative model of whole-brain effective connectivity. <i>NeuroImage</i> , 2018, 179, 505-529.	4.2	83
9	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. <i>Frontiers in Psychiatry</i> , 2021, 12, 680811.	2.6	69
10	Image reconstruction using a gradient impulse response model for trajectory prediction. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 45-58.	3.0	57
11	MRI of cellular layers in mouse brain in vivo. <i>NeuroImage</i> , 2009, 47, 1252-1260.	4.2	56
12	Laminar fMRI and computational theories of brain function. <i>NeuroImage</i> , 2019, 197, 699-706.	4.2	54
13	Single-shot spiral imaging enabled by an expanded encoding model: demonstration in diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 83-91.	3.0	48
14	Real-time motion correction using gradient tones and head-mounted NMR field probes. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 647-660.	3.0	41
15	Diffusion MRI with concurrent magnetic field monitoring. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 925-933.	3.0	39
16	Analysis and correction of field fluctuations in fMRI data using field monitoring. <i>NeuroImage</i> , 2017, 154, 92-105.	4.2	38
17	Monitoring, analysis, and correction of magnetic field fluctuations in echo planar imaging time series. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 396-409.	3.0	35
18	Rapid anatomical brain imaging using spiral acquisition and an expanded signal model. <i>NeuroImage</i> , 2018, 168, 88-100.	4.2	32

#	ARTICLE	IF	CITATIONS
19	Matched-filter acquisition for BOLD fMRI. <i>NeuroImage</i> , 2014, 100, 145-160.	4.2	31
20	Cholinergic and dopaminergic effects on prediction error and uncertainty responses during sensory associative learning. <i>NeuroImage</i> , 2021, 226, 117590.	4.2	31
21	Hierarchical Bayesian models of social inference for probing persecutory delusional ideation.. <i>Journal of Abnormal Psychology</i> , 2020, 129, 556-569.	1.9	24
22	Single-shot spiral imaging at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1836-1846.	3.0	23
23	CCfSENSE revisited: Results from the first ISMRM reproducibility challenge. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1821-1839.	3.0	22
24	Whole-brain estimates of directed connectivity for human connectomics. <i>NeuroImage</i> , 2021, 225, 117491.	4.2	20
25	Magnetic resonance imaging (MRI) study of jet formation in packed beds. <i>Chemical Engineering Science</i> , 2013, 97, 406-412.	3.8	18
26	A method for correcting breathing-induced field fluctuations in T2*-weighted spinal cord imaging using a respiratory trace. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3745-3753.	3.0	18
27	Advances in spiral fMRI: A high-resolution study with single-shot acquisition. <i>NeuroImage</i> , 2022, 246, 118738.	4.2	18
28	The relationship between resting-state functional connectivity, antidepressant discontinuation and depression relapse. <i>Scientific Reports</i> , 2020, 10, 22346.	3.3	14
29	Neural arbitration between social and individual learning systems. <i>ELife</i> , 2020, 9, .	6.0	14
30	T-Hex: Tilted hexagonal grids for rapid 3D imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2507-2523.	3.0	11
31	A Hilbert-based method for processing respiratory timeseries. <i>NeuroImage</i> , 2021, 230, 117787.	4.2	11
32	Feedback field control improves the precision of $T_2^*$ quantification at 7T. <i>NMR in Biomedicine</i> , 2017, 30, e3753.	2.8	9
33	Physiology recording with magnetic field probes for fMRI denoising. <i>NeuroImage</i> , 2017, 154, 106-114.	4.2	8
34	A Reconfigurable Platform for Magnetic Resonance Data Acquisition and Processing. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1138-1148.	8.9	5
35	Feasibility of spiral fMRI based on an LTI gradient model. <i>NeuroImage</i> , 2021, 245, 118674.	4.2	5
36	Resonate: Reaching Excellence Through Equity, Diversity, and Inclusion in ISMRM. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1608-1611.	3.4	3

#	ARTICLE	IF	CITATIONS
37	Mono-planar T <sub>2</sub> H <sub>2</sub> : Speed and flexibility for high-resolution 3D imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 272-280.	3.0	1
38	Editorial Note to: Hierarchical Prediction Errors in Midbrain and Basal Forebrain during Sensory Learning. <i>Neuron</i> , 2019, 101, 1195.	8.1	0
39	T64. LINKING SUBCLINICAL PERSECUTORY IDEATION TO INFLEXIBLE SOCIAL INFERENCE UNDER UNCERTAINTY. <i>Schizophrenia Bulletin</i> , 2020, 46, S255-S256.	4.3	0
40	Hemodynamic modeling of long-term aspirin effects on blood oxygenated level dependent responses at 7 Tesla in patients at cardiovascular risk. <i>European Journal of Neuroscience</i> , 2021, 53, 1262-1278.	2.6	0
41	The Path to Parent-Inclusive Conferences. <i>Journal of the American College of Radiology</i> , 2021, 18, 334-336.	1.8	0
42	Advances in spiral fMRI: A high-resolution dataset. <i>Data in Brief</i> , 2022, 42, 108050.	1.0	0