

Enrico Kaden

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,229
citations

687363

13
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1616
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-compartment microscopic diffusion imaging. <i>NeuroImage</i> , 2016, 139, 346-359.	4.2	280
2	Quantitative mapping of the periaxon diffusion coefficients in brain white matter. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1752-1763.	3.0	190
3	Parametric spherical deconvolution: Inferring anatomical connectivity using diffusion MR imaging. <i>NeuroImage</i> , 2007, 37, 474-488.	4.2	175
4	<scp>PGSE</scp>, <scp>OGSE</scp>, and sensitivity to axon diameter in diffusion <scp>MRI</scp>: Insight from a simulation study. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 688-700.	3.0	109
5	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. <i>NeuroImage</i> , 2019, 195, 285-299.	4.2	92
6	Image quality transfer and applications in diffusion MRI. <i>NeuroImage</i> , 2017, 152, 283-298.	4.2	91
7	Uncertainty modelling in deep learning for safer neuroimage enhancement: Demonstration in diffusion MRI. <i>NeuroImage</i> , 2021, 225, 117366.	4.2	59
8	Tractography reproducibility challenge with empirical data (TraCED): The 2017 ISMRM diffusion study group challenge. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 234-249.	3.4	38
9	Relevance of time-dependence for clinically viable diffusion imaging of the spinal cord. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1247-1264.	3.0	29
10	Variational inference of the fiber orientation density using diffusion MR imaging. <i>NeuroImage</i> , 2008, 42, 1366-1380.	4.2	28
11	In vivo demonstration of microscopic anisotropy in the human kidney using multidimensional diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2160-2168.	3.0	24
12	Probing axons using multi-compartmental diffusion in multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1595-1605.	3.7	17
13	MRI profiling of focal cortical dysplasia using multi-compartment diffusion models. <i>Epilepsia</i> , 2020, 61, 433-444.	5.1	16
14	Nonparametric Bayesian inference of the fiber orientation distribution from diffusion-weighted MR images. <i>Medical Image Analysis</i> , 2012, 16, 876-888.	11.6	14
15	White matter microstructural abnormalities in children with severe congenital hypothyroidism. <i>NeuroImage: Clinical</i> , 2019, 24, 101980.	2.7	13
16	Tractographic and Microstructural Analysis of the Dentato-Rubro-Thalamo-Cortical Tracts in Children Using Diffusion MRI. <i>Cerebral Cortex</i> , 2021, 31, 2595-2609.	2.9	13
17	Comparison of Neurite Orientation Dispersion and Density Imaging and Two-Compartment Spherical Mean Technique Parameter Maps in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2021, 12, 662855.	2.4	12
18	On the potential for mapping apparent neural soma density via a clinically viable diffusion MRI protocol. <i>NeuroImage</i> , 2021, 239, 118303.	4.2	10

#	ARTICLE	IF	CITATIONS
19	A Reproducing Kernel Hilbert Space Approach for Q-Ball Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 1877-1886.	8.9	7
20	Microscopic susceptibility anisotropy imaging. Magnetic Resonance in Medicine, 2020, 84, 2739-2753.	3.0	6
21	Microstructural Investigations of the Visual Pathways in Pediatric Epilepsy Neurosurgery: Insights From Multi-Shell Diffusion Magnetic Resonance Imaging. Frontiers in Neuroscience, 2020, 14, 269.	2.8	6