Enrico Kaden

List of Publications by Year
in descending order

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	Uncertainty modelling in deep learning for safer neuroimage enhancement: Demonstration in diffusion MRI. NeuroImage, 2021, 225, 117366.	4.2	59
2	Tractographic and Microstructural Analysis of the Dentato-Rubro-Thalamo-Cortical Tracts in Children Using Diffusion MRI. Cerebral Cortex, 2021, 31, 2595-2609.	2.9	13
3	Comparison of Neurite Orientation Dispersion and Density Imaging and Two-Compartment Spherical Mean Technique Parameter Maps in Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 662855.	2.4	12
4	On the potential for mapping apparent neural soma density via a clinically viable diffusion MRI protocol. NeuroImage, 2021, 239, 118303.	4.2	10
5	Tractography reproducibility challenge with empirical data (TraCED): The 2017 ISMRM diffusion study group challenge. Journal of Magnetic Resonance Imaging, 2020, 51, 234-249.	3.4	38
6	Microscopic susceptibility anisotropy imaging. Magnetic Resonance in Medicine, 2020, 84, 2739-2753.	3.0	6
7	MRI profiling of focal cortical dysplasia using multi-compartment diffusion models. Epilepsia, 2020, 61, 433-444.	5.1	16
8	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
9	Probing axons using multi-compartmental diffusion in multiple sclerosis. Annals of Clinical and Translational Neurology, 2019, 6, 1595-1605.	3.7	17
10	White matter microstructural abnormalities in children with severe congenital hypothyroidism. NeuroImage: Clinical, 2019, 24, 101980.	2.7	13
11	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. NeuroImage, 2019, 195, 285-299.	4.2	92
12	In vivo demonstration of microscopic anisotropy in the human kidney using multidimensional diffusion MRI. Magnetic Resonance in Medicine, 2019, 82, 2160-2168.	3.0	24
13	Relevance of time-dependence for clinically viable diffusion imaging of the spinal cord. Magnetic Resonance in Medicine, 2019, 81, 1247-1264.	3.0	29
14	Image quality transfer and applications in diffusion MRI. NeuroImage, 2017, 152, 283-298.	4.2	91
15	Multi-compartment microscopic diffusion imaging. NeuroImage, 2016, 139, 346-359.	4.2	280
16	Quantitative mapping of the per-axon diffusion coefficients in brain white matter. Magnetic Resonance in Medicine, 2016, 75, 1752-1763.	3.0	190
17	PGSE, OGSE, and sensitivity to axon diameter in diffusion MRI: Insight from a simulation study. Magnetic Resonance in Medicine, 2016, 75, 688-700.	3.0	109
18	Nonparametric Bayesian inference of the fiber orientation distribution from diffusion-weighted MR images. Medical Image Analysis, 2012, 16, 876-888.	11.6	14

#	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	Variational inference of the fiber orientation density using diffusion MR imaging. NeuroImage, 2008, 42, 1366-1380.	4.2	28
21	Parametric spherical deconvolution: Inferring anatomical connectivity using diffusion MR imaging. NeuroImage, 2007, 37, 474-488.	4.2	175