Zoltan Nagy

List of Publications by Year
in descending order

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44	4,561	230014	286692
papers	citations	27	43
		h-index	g-index

44	44	44	7339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the signalâ€toâ€noise ratio benefit of spiral acquisition in diffusion MRI. Magnetic Resonance in Medicine, 2021, 85, 1924-1937.	1.9	28
2	Multiple b-values improve discrimination of cortical gray matter regions using diffusion MRI: an experimental validation with a data-driven approach. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 677-687.	1.1	2
3	On the reproducibility of in vivo temporal <scp>signalâ€toâ€noise</scp> ratio and its utility as a predictor of subjectâ€level tâ€values in a functional magnetic resonance imaging study. International Journal of Imaging Systems and Technology, 2021, 31, 1849-1860.	2.7	2
4	Quantifying myelin in crossing fibers using diffusionâ€prepared phase imaging: Theory and simulations. Magnetic Resonance in Medicine, 2021, 86, 2618-2634.	1.9	2
5	A comprehensive approach for correcting voxelâ€wise bâ€value errors in diffusion MRI. Magnetic Resonance in Medicine, 2020, 83, 2173-2184.	1.9	15
6	Neural arbitration between social and individual learning systems. ELife, 2020, 9, .	2.8	14
7	Establishing intraâ€and interâ€vendor reproducibility of T₁ relaxation time measurements with 3T MRI. Magnetic Resonance in Medicine, 2019, 81, 454-465.	1.9	37
8	An industrial design solution for integrating NMR magnetic field sensors into an MRI scanner. Magnetic Resonance in Medicine, 2018, 80, 833-839.	1.9	8
9	Using diffusion MRI to discriminate areas of cortical grey matter. NeuroImage, 2018, 182, 456-468.	2.1	31
10	Analysis of the Precision of Variable Flip Angle T1 Mapping with Emphasis on the Noise Propagated from RF Transmit Field Maps. Frontiers in Neuroscience, 2017, 11, 106.	1.4	21
11	Correlation between white matter microstructure and executive functions suggests early developmental influence on long fibre tracts in preterm born adolescents. PLoS ONE, 2017, 12, e0178893.	1.1	56
12	An Unsupervised Group Average Cortical Parcellation Using Diffusion MRI to Probe Cytoarchitecture. Mathematics and Visualization, 2017, , 145-156.	0.4	0
13	Microstructural parameter estimation in vivo using diffusion MRI and structured prior information. Magnetic Resonance in Medicine, 2016, 75, 1787-1796.	1.9	11
14	Using the robust principal component analysis algorithm to remove RF spike artifacts from MR images. Magnetic Resonance in Medicine, 2016, 75, 2517-2525.	1.9	15
15	Local but not long-range microstructural differences of the ventral temporal cortex in developmental prosopagnosia. Neuropsychologia, 2015, 78, 195-206.	0.7	67
16	Diffusion MRI with concurrent magnetic field monitoring. Magnetic Resonance in Medicine, 2015, 74, 925-933.	1.9	39
17	Investigating the Use of Support Vector Machine Classification on Structural Brain Images of Pretermâ€“Born Teenagers as a Biological Marker. PLoS ONE, 2015, 10, e0123108.	1.1	2
18	Do we need to revise the tripartite subdivision hypothesis of the human subthalamic nucleus (STN)? Response to Alkemade and Forstmann. NeuroImage, 2015, 110, 1-2.	2.1	33

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19	Orthogonalizing crusher and diffusionâ€encoding gradients to suppress undesired echo pathways in the twiceâ€refocused spin echo diffusion sequence. Magnetic Resonance in Medicine, 2014, 71, 506-515.	1.9	4
20	Investigating the need of triggering the acquisition for infant diffusion MRI: A quantitative study including bootstrap statistics. NeuroImage, 2013, 69, 198-205.	2.1	6
21	Retrospective correction of physiological noise in DTI using an extended tensor model and peripheral measurements. Magnetic Resonance in Medicine, 2013, 70, 358-369.	1.9	32
22	Using High Angular Resolution Diffusion Imaging Data to Discriminate Cortical Regions. PLoS ONE, 2013, 8, e63842.	1.1	37
23	Axonal integrity predicts cortical reorganisation following cervical injury. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 629-637.	0.9	65
24	Confirmation of functional zones within the human subthalamic nucleus: Patterns of connectivity and sub-parcellation using diffusion weighted imaging. NeuroImage, 2012, 60, 83-94.	2.1	294
25	The effect of local perturbation fields on human DTI: Characterisation, measurement and correction. NeuroImage, 2012, 60, 562-570.	2.1	33
26	Degeneration of the Injured Cervical Cord Is Associated with Remote Changes in Corticospinal Tract Integrity and Upper Limb Impairment. PLoS ONE, 2012, 7, e51729.	1.1	62
27	Correction of vibration artifacts in DTI using phaseâ€encoding reversal (COVIPER). Magnetic Resonance in Medicine, 2012, 68, 882-889.	1.9	40
28	Effects of Preterm Birth on Cortical Thickness Measured in Adolescence. Cerebral Cortex, 2011, 21, 300-306.	1.6	70
29	White matter changes in extremely preterm infants, a populationâ€based diffusion tensor imaging study. Acta Paediatrica, International Journal of Paediatrics, 2010, 99, 842-849.	0.7	80
30	Relating Introspective Accuracy to Individual Differences in Brain Structure. Science, 2010, 329, 1541-1543.	6.0	677
31	Structural Correlates of Preterm Birth in the Adolescent Brain. Pediatrics, 2009, 124, e964-e972.	1.0	100
32	Cerebral MRI findings in a cohort of exâ€preterm and control adolescents. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 996-1001.	0.7	10
33	Active Imaging with Dual Spin-Echo Diffusion MRI. Lecture Notes in Computer Science, 2009, 21, 264-275.	1.0	4
34	Efficient fat suppression by sliceâ€selection gradient reversal in twiceâ€refocused diffusion encoding. Magnetic Resonance in Medicine, 2008, 60, 1256-1260.	1.9	60
35	Accelerated cerebral white matter development in preterm infants: A voxel-based morphometry study with diffusion tensor MR imaging. NeuroImage, 2008, 41, 728-734.	2.1	83
36	White matter connections reflect changes in voluntary-guided saccades in pre-symptomatic Huntington's disease. Brain, 2008, 131, 196-204.	3.7	153

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37	Wallerian Degeneration of the Corticofugal Tracts in Chronic Stroke: A Pilot Study Relating Diffusion Tensor Imaging, Transcranial Magnetic Stimulation, and Hand Function. Neurorehabilitation and Neural Repair, 2007, 21, 551-560.	1.4	75
38	A method for improving the performance of gradient systems for diffusion-weighted MRI. Magnetic Resonance in Medicine, 2007, 58, 763-768.	1.9	34
39	Brain abnormalities in extremely low gestational age infants: a Swedish population based MRI study. Acta Paediatrica, International Journal of Paediatrics, 2007, 96, 979-984.	0.7	45
40	Extensive piano practicing has regionally specific effects on white matter development. Nature Neuroscience, 2005, 8, 1148-1150.	7.1	977
41	Diffusion Tensor Imaging on Teenagers, Born at Term With Moderate Hypoxic-ischemic Encephalopathy. Pediatric Research, 2005, 58, 936-940.	1.1	30
42	Maturation of White Matter is Associated with the Development of Cognitive Functions during Childhood. Journal of Cognitive Neuroscience, 2004, 16, 1227-1233.	1.1	690
43	Combined analysis of DTI and fMRI data reveals a joint maturation of white and grey matter in a fronto-parietal network. Cognitive Brain Research, 2003, 18, 48-57.	3.3	349
44	Preterm Children Have Disturbances of White Matter at 11 Years of Age as Shown by Diffusion Tensor Imaging. Pediatric Research, 2003, 54, 672-679.	1.1	168