Nikola Stikov

List of Publications by Year
in descending order

51 papers	2,880 citations	304743 22 h-index	206112 48 g-index
60 all docs	60 docs citations	60 times ranked	3775 citing authors

#	Article	IF	Citations
1	Beyond advertising: New infrastructures for publishing integrated research objects. PLoS Computational Biology, 2022, 18, e1009651.	3.2	14
2	The Myelin†Weighted Connectome in Parkinson's Disease. Movement Disorders, 2022, 37, 724-733.	3.9	10
3	An interactive meta-analysis of MRI biomarkers of myelin. , 2022, 1, 4.		1
4	Vendor†neutral sequences and fully transparent workflows improve inter†vendor reproducibility of quantitative <scp>MRI</scp>. Magnetic Resonance in Medicine, 2022, 88, 1212-1228.	3.0	17
5	On the open-source landscape of PLOS Computational Biology. PLoS Computational Biology, 2021, 17, e1008725.	3.2	9
6	The R1-weighted connectome: complementing brain networks with a myelin-sensitive measure. Network Neuroscience, 2021, 5, 358-372.	2.6	17
7	Arterial stiffness cut-off value and white matter integrity in the elderly. NeuroImage: Clinical, 2020, 26, 102007.	2.7	11
8	A Cross-Sectional Study on the Impact of Arterial Stiffness on the Corpus Callosum, a Key White Matter Tract Implicated in Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 77, 591-605.	2.6	11
9	Machine Learning and Multiparametric Brain MRI to Differentiate Hereditary Diffuse Leukodystrophy with Spheroids from Multiple Sclerosis. Journal of Neuroimaging, 2020, 30, 674-682.	2.0	12
10	qMRLab: Quantitative MRI analysis, under one umbrella. Journal of Open Source Software, 2020, 5, 2343.	4.6	36
11	An interactive meta-analysis of MRI biomarkers of myelin. ELife, 2020, 9, .	6.0	99
12	Quantitative T1 and T1 Mapping. Advances in Magnetic Resonance Technology and Applications, 2020, , 19-45.	0.1	4
13	Reproducibility and the future of MRI research. Magnetic Resonance in Medicine, 2019, 82, 1981-1983.	3.0	28
14	Construction of a rat spinal cord atlas of axon morphometry. NeuroImage, 2019, 202, 116156.	4.2	7
15	Arterial stiffness and white matter integrity in the elderly: A diffusion tensor and magnetization transfer imaging study. NeuroImage, 2019, 186, 577-585.	4.2	19
16	Axons morphometry in the human spinal cord. NeuroImage, 2019, 185, 119-128.	4.2	19
17	Promise and pitfalls of g-ratio estimation with MRI. NeuroImage, 2018, 182, 80-96.	4.2	101
18	Real†time correction of respiration†induced distortions in the human spinal cord using a 24†channel shim array. Magnetic Resonance in Medicine, 2018, 80, 935-946.	3.0	17

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19	Changes in structural network are associated with cortical demyelination in early multiple sclerosis. Human Brain Mapping, 2018, 39, 2133-2146.	3.6	16
20	B$_1$‐sensitivity analysis of quantitative magnetization transfer imaging. Magnetic Resonance in Medicine, 2018, 79, 276-285.	3.0	10
21	A pneumatic phantom for mimicking respiration‐induced artifacts in spinal MRI. Magnetic Resonance in Medicine, 2018, 79, 600-605.	3.0	7
22	PAM50: Unbiased multimodal template of the brainstem and spinal cord aligned with the ICBM152 space. NeuroImage, 2018, 165, 170-179.	4.2	143
23	Scan‐rescan of axcaliber, macromolecular tissue volume, and g‐ratio in the spinal cord. Magnetic Resonance in Medicine, 2018, 79, 2759-2765.	3.0	17
24	Fundamentals of Cardiac T1 Mapping. , 2018, , 1-14.		0
25	Test-retest reliability of myelin imaging in the human spinal cord: Measurement errors versus region- and aging-induced variations. PLoS ONE, 2018, 13, e0189944.	2.5	20
26	Design and construction of an optimized transmit/receive hybrid birdcage resonator to improve full body images of medium-sized animals in 7T scanner. PLoS ONE, 2018, 13, e0192035.	2.5	7
27	Topologically preserving straightening of spinal cord MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 1209-1219.	3.4	22
28	B$_1$ mapping for bias‐correction in quantitative T_1 imaging of the brain at 3T using standard pulse sequences. Journal of Magnetic Resonance Imaging, 2017, 46, 1673-1682.	3.4	53
29	Histological Underpinnings of Grey Matter Changes in Fibromyalgia Investigated Using Multimodal Brain Imaging. Journal of Neuroscience, 2017, 37, 1090-1101.	3.6	69
30	g-Ratio weighted imaging of the human spinal cord in vivo. NeuroImage, 2017, 145, 11-23.	4.2	66
31	SCT: Spinal Cord Toolbox, an open-source software for processing spinal cord MRI data. NeuroImage, 2017, 145, 24-43.	4.2	390
32	Fully-integrated framework for the segmentation and registration of the spinal cord white and gray matter. NeuroImage, 2017, 150, 358-372.	4.2	41
33	Axon and Myelin Morphology in Animal and Human Spinal Cord. Frontiers in Neuroanatomy, 2017, 11, 129.	1.7	62
34	AxonPacking: An Open-Source Software to Simulate Arrangements of Axons in White Matter. Frontiers in Neuroinformatics, 2017, 11, 5.	2.5	12
35	AxonSeg: Open Source Software for Axon and Myelin Segmentation and Morphometric Analysis. Frontiers in Neuroinformatics, 2016, 10, 37.	2.5	46
36	Graphlet characteristics in directed networks. Scientific Reports, 2016, 6, 37057.	3.3	14

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37	MTR recovery in brain lesions in the BECOME study of glatiramer acetate vs interferon Î²-1b. Neurology, 2016, 87, 905-911.	1.1	16
38	A 24‑channel shim array for the human spinal cord: Design, evaluation, and application. Magnetic Resonance in Medicine, 2016, 76, 1604-1611.	3.0	29
39	Comparison of different cardiovascular magnetic resonance sequences for native myocardial T1 mapping at 3T. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 65.	3.3	44
40	Quantitative magnetization transfer imaging *made* easy with *q*MTL*ab*: Software for data simulation, analysis, and visualization. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44A, 263-277.	0.5	39
41	In vivo histology of the myelin g-ratio with magnetic resonance imaging. NeuroImage, 2015, 118, 397-405.	4.2	256
42	Quantitative analysis of the myelin g -ratio from electron microscopy images of the macaque corpus callosum. Data in Brief, 2015, 4, 368-373.	1.0	56
43	On the accuracy of T_1 mapping: Searching for common ground. Magnetic Resonance in Medicine, 2015, 73, 514-522.	3.0	204
44	Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging. Nature Medicine, 2013, 19, 1667-1672.	30.7	261
45	Practical medical applications of quantitative MR relaxometry. Journal of Magnetic Resonance Imaging, 2012, 36, 805-824.	3.4	176
46	Improving the accuracy of cross‑relaxation imaging. International Journal of Imaging Systems and Technology, 2012, 22, 67-72.	4.1	1
47	Steady-state MRI: methods for neuroimaging. Imaging in Medicine, 2011, 3, 93-105.	0.0	17
48	Bound pool fractions complement diffusion measures to describe white matter micro and macrostructure. NeuroImage, 2011, 54, 1112-1121.	4.2	133
49	Cross‑relaxation imaging of human articular cartilage. Magnetic Resonance in Medicine, 2011, 66, 725-734.	3.0	22
50	A robust methodology for in vivo T_1 mapping. Magnetic Resonance in Medicine, 2010, 64, 1057-1067.	3.0	175
51	The first seminar for magnetic resonance imaging in the Republic of Macedonia (Meeting Report). Prilozi / Makedonska Akademija Na Naukite I Umetnostite, Oddelenie Za Bioloiki I Medicinski Nauki = Contributions / Macedonian Academy of Sciences and Arts, Section of Biological and Medical Sciences, 2010, 31, 269-73.	0.2	0