

Andrew S Nencka

List of Publications by Year in descending order

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66
papers

1,674
citations

393982

19
h-index

344852

36
g-index

67
all docs

67
docs citations

67
times ranked

2205
citing authors

#	ARTICLE	IF	CITATIONS
1	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	2.1	539
2	Cerebral Blood Flow Alterations in Acute Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2016, 33, 1227-1236.	1.7	147
3	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2018, 35, 2653-2664.	1.7	61
4	Longitudinal white-matter abnormalities in sports-related concussion. <i>Neurology</i> , 2020, 95, e781-e792.	1.5	47
5	Cerebral blood flow in acute concussion: preliminary ASL findings from the NCAA-DoD CARE consortium. <i>Brain Imaging and Behavior</i> , 2019, 13, 1375-1385.	1.1	45
6	Reducing the unwanted draining vein BOLD contribution in fMRI with statistical post-processing methods. <i>NeuroImage</i> , 2007, 37, 177-188.	2.1	44
7	Network, clinical and sociodemographic features of cognitive phenotypes in temporal lobe epilepsy. <i>NeuroImage: Clinical</i> , 2020, 27, 102341.	1.4	43
8	Resting-State functional connectivity after concussion is associated with clinical recovery. <i>Human Brain Mapping</i> , 2019, 40, 1211-1220.	1.9	41
9	Resting-State fMRI Metrics in Acute Sport-Related Concussion and Their Association with Clinical Recovery: A Study from the NCAA-DOD CARE Consortium. <i>Journal of Neurotrauma</i> , 2020, 37, 152-162.	1.7	40
10	Prevalence of Potentially Clinically Significant Magnetic Resonance Imaging Findings in Athletes with and without Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2019, 36, 1776-1785.	1.7	37
11	A simple method for rectified noise floor suppression: Phase-corrected real data reconstruction with application to diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 418-429.	1.9	34
12	Functional connectivity of the cortical swallowing network in humans. <i>NeuroImage</i> , 2013, 76, 33-44.	2.1	34
13	Cognitive slowing and its underlying neurobiology in temporal lobe epilepsy. <i>Cortex</i> , 2019, 117, 41-52.	1.1	34
14	Improving robustness and reliability of phase-sensitive fMRI analysis using temporal off-resonance alignment of single-echo timeseries (TOAST). <i>NeuroImage</i> , 2009, 44, 742-752.	2.1	30
15	Effective Connectivity Within the Default Mode Network in Left Temporal Lobe Epilepsy: Findings from the Epilepsy Connectome Project. <i>Brain Connectivity</i> , 2019, 9, 174-183.	0.8	29
16	Longitudinal Reproducibility of MR Perfusion Using 3D Pseudocontinuous Arterial Spin Labeling With Hadamard-Encoded Multiple Postlabeling Delays. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1846-1853.	1.9	27
17	Brain aging in temporal lobe epilepsy: Chronological, structural, and functional. <i>NeuroImage: Clinical</i> , 2020, 25, 102183.	1.4	27
18	Radiomic Features of Multiparametric MRI Present Stable Associations with Analogous Histological Features in Patients with Brain Cancer. <i>Tomography</i> , 2020, 6, 160-169.	0.8	25

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19	Multiband multi-echo imaging of simultaneous oxygenation and flow timeseries for resting state connectivity. PLoS ONE, 2017, 12, e0169253.	1.1	23
20	Signal and noise of Fourier reconstructed fMRI data. Journal of Neuroscience Methods, 2007, 159, 361-369.	1.3	22
21	Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. Brain Imaging and Behavior, 2018, 12, 1121-1140.	1.1	22
22	Regional and global resting-state functional MR connectivity in temporal lobe epilepsy: Results from the Epilepsy Connectome Project. Epilepsy and Behavior, 2021, 117, 107841.	0.9	19
23	Functional connectivity density mapping: comparing multiband and conventional EPI protocols. Brain Imaging and Behavior, 2018, 12, 848-859.	1.1	17
24	Quantitative Susceptibility Mapping after Sports-Related Concussion. American Journal of Neuroradiology, 2018, 39, 1215-1221.	1.2	17
25	Analysis and Evaluation of a Deep Learning Reconstruction Approach with Denoising for Orthopedic MRI. Radiology: Artificial Intelligence, 2021, 3, e200278.	3.0	17
26	Neuroanatomical correlates of personality traits in temporal lobe epilepsy: Findings from the Epilepsy Connectome Project. Epilepsy and Behavior, 2019, 98, 220-227.	0.9	16
27	The Association Between Persistent White-Matter Abnormalities and Repeat Injury After Sport-Related Concussion. Frontiers in Neurology, 2019, 10, 1345.	1.1	16
28	Two-Axis Acceleration of Functional Connectivity Magnetic Resonance Imaging by Parallel Excitation of Phase-Tagged Slices and Half k-Space Acceleration. Brain Connectivity, 2011, 1, 81-90.	0.8	15
29	Restoring Susceptibility Induced MRI Signal Loss in Rat Brain at 9.4 T: A Step towards Whole Brain Functional Connectivity Imaging. PLoS ONE, 2015, 10, e0119450.	1.1	15
30	Using Low-Frequency Oscillations to Detect Temporal Lobe Epilepsy with Machine Learning. Brain Connectivity, 2019, 9, 184-193.	0.8	15
31	Radio-pathomic mapping model generated using annotations from five pathologists reliably distinguishes high-grade prostate cancer. Journal of Medical Imaging, 2020, 7, 054501.	0.8	15
32	Multiband multi-echo simultaneous ASL/BOLD for task-induced functional MRI. PLoS ONE, 2018, 13, e0190427.	1.1	14
33	A Mathematical Model for Understanding the Statistical effects of k-space (AMMUST-k) preprocessing on observed voxel measurements in fcMRI and fMRI. Journal of Neuroscience Methods, 2009, 181, 268-282.	1.3	12
34	Enhancing the utility of complex-valued functional magnetic resonance imaging detection of neurobiological processes through postacquisition estimation and correction of dynamic errors and motion. Human Brain Mapping, 2012, 33, 288-306.	1.9	10
35	Quantification of the Statistical Effects of Spatiotemporal Processing of Nontask fMRI Data. Brain Connectivity, 2014, 4, 649-661.	0.8	9
36	Neuroticism in temporal lobe epilepsy is associated with altered limbic-frontal lobe resting-state functional connectivity. Epilepsy and Behavior, 2020, 110, 107172.	0.9	9

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37	Filtered Diffusion-Weighted MRI of the Human Cervical Spinal Cord: Feasibility and Application to Traumatic Spinal Cord Injury. <i>American Journal of Neuroradiology</i> , 2021, 42, 2101-2106.	1.2	9
38	Off-resonance based assessment of metallic wear debris near total hip arthroplasty. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1628-1637.	1.9	8
39	Acute Post-Concussive Assessments of Brain Tissue Magnetism Using Magnetic Resonance Imaging. <i>Journal of Neurotrauma</i> , 2021, 38, 848-857.	1.7	8
40	Cardiac functional magnetic resonance imaging at 7T: Image quality optimization and ultra-high field capabilities. <i>World Journal of Radiology</i> , 2020, 12, 231-246.	0.5	8
41	Functional connectivity and structural analysis of trial spinal cord stimulation responders in failed back surgery syndrome. <i>PLoS ONE</i> , 2020, 15, e0228306.	1.1	7
42	Head Impact Exposure, Gray Matter Volume, and Moderating Effects of Estimated Intelligence Quotient and Educational Attainment in Former Athletes at Midlife. <i>Journal of Neurotrauma</i> , 2022, 39, 497-507.	1.7	7
43	Value CMR: Towards a Comprehensive, Rapid, Cost-Effective Cardiovascular Magnetic Resonance Imaging. <i>International Journal of Biomedical Imaging</i> , 2021, 2021, 1-12.	3.0	6
44	Split-slice training and hyperparameter tuning of RAKI networks for simultaneous multi-slice reconstruction. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3272-3280.	1.9	6
45	Functional magnetic resonance imaging brain activation directly from k-space. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1370-1381.	1.0	5
46	Classification before Segmentation: Improved U-Net Prostate Segmentation. , 2019, , .		5
47	Accurate segmentation of prostate cancer histomorphometric features using a weakly supervised convolutional neural network. <i>Journal of Medical Imaging</i> , 2020, 7, 057501.	0.8	5
48	Direct radiofrequency phase control in MRI by digital waveform playback at the Larmor frequency. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 846-852.	1.9	4
49	Wavelet Domain Radiofrequency Pulse Design Applied to Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2015, 10, e0141151.	1.1	4
50	Multispectral diffusion-weighted MRI of the instrumented cervical spinal cord: a preliminary study of 5 cases. <i>European Spine Journal</i> , 2020, 29, 1071-1077.	1.0	4
51	Analysis of errors in diffusion kurtosis imaging caused by slice crosstalk in simultaneous multi-slice imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4162.	1.6	3
52	Optimization of hyperparameters for SMS reconstruction. <i>Magnetic Resonance Imaging</i> , 2020, 73, 91-103.	1.0	3
53	Diffusion propagator metrics are biased when simultaneous multi-slice acceleration is used. <i>Magnetic Resonance Imaging</i> , 2022, 86, 46-54.	1.0	3
54	Dynamic tracking of scaphoid, lunate, and capitate carpal bones using four-dimensional MRI. <i>PLoS ONE</i> , 2022, 17, e0269336.	1.1	3

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55	Separation of parallel encoded complex-valued slices (SPECS) from a single complex-valued aliased coil image. <i>Magnetic Resonance Imaging</i> , 2016, 34, 359-369.	1.0	2
56	ICâ€Pâ€161: CHARACTERIZING STRUCTURAL BRAIN ALTERATIONS IN ALZHEIMER'S DISEASE PATIENTS WITH MACHINE LEARNING. <i>Alzheimer's and Dementia</i> , 2018, 14, P135.	0.4	2
57	Radiofrequency pulse design with numerical optimization in the Fourier domain. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 313-317.	1.1	1
58	ICâ€Pâ€024: EFFECTIVE CONNECTIVITY WITHIN THE LEFT AND RIGHT EXECUTIVE CONTROL NETWORKS IN MCI AND AD. <i>Alzheimer's and Dementia</i> , 2019, 15, P31.	0.4	1
59	Editorial for â€œTop 10 Reviewer Critiques of Radiology Artificial Intelligence (AI) Articles: Qualitative Thematic Analysis of Reviewer Critiques of Machine Learning / Deep Learning Manuscripts Submitted to JMIRâ€ Journal of Magnetic Resonance Imaging, 2020, 52, 255-256.	1.9	1
60	Generalized simultaneous multiâ€orientation 2D imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 847-856.	1.9	1
61	Accurate segmentation of prostate cancer histomorphometric features using a weakly supervised convolutional neural network. <i>FASEB Journal</i> , 2019, 33, lb12.	0.2	1
62	Personal Reflections on James S. Hyde. <i>Brain Connectivity</i> , 2014, 4, 631-635.	0.8	0
63	P2â€366: EFFECTIVE CONNECTIVITY WITHIN THE DEFAULT MODE NETWORK IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P833.	0.4	0
64	ICâ€Pâ€031: EFFECTIVE CONNECTIVITY WITHIN THE DEFAULT MODE NETWORK IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P35.	0.4	0
65	Hemodynamics of the Rat Aortic Arch. , 2012, , .		0
66	Reward Processing Brain Network Dysfunction in Late-Life grief: Relationship With Yearning and Depression. <i>Biological Psychiatry</i> , 2022, 91, S82.	0.7	0