John Conklin

List of Publications by Year
in descending order

41 papers	1,475 citations	361413 20 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	2387 citing authors

#	Article	IF	Citations
1	Imaging-Based Diagnosis of Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2015, 26, 746-753.	6.1	126
2	Refining Genotype-Phenotype Correlation in Autosomal Dominant Polycystic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 1861-1868.	6.1	123
3	Impaired Cerebrovascular Reactivity With Steal Phenomenon Is Associated With Increased Diffusion in White Matter of Patients With Moyamoya Disease. Stroke, 2010, 41, 1610-1616.	2.0	90
4	Development of White Matter Hyperintensity Is Preceded by Reduced Cerebrovascular Reactivity. Annals of Neurology, 2016, 80, 277-285.	5.3	87
5	Impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. Brain, 2011, 134, 100-109.	7.6	79
6	Polycystic Kidney Disease without an Apparent Family History. Journal of the American Society of Nephrology: JASN, 2017, 28, 2768-2776.	6.1	75
7	Are acute infarcts the cause of leukoaraiosis? Brain mapping for 16 consecutive weeks. Annals of Neurology, 2014, 76, 899-904.	5.3	71
8	Surgical Revascularization Reverses Cerebral Cortical Thinning in Patients With Severe Cerebrovascular Steno-Occlusive Disease. Stroke, 2011, 42, 1631-1637.	2.0	64
9	Susceptibility-weighted imaging reveals cerebral microvascular injury in severe COVID-19. Journal of the Neurological Sciences, 2021, 421, 117308.	0.6	60
10	Differentiating radiation necrosis from tumor progression in brain metastases treated with stereotactic radiotherapy: utility of intravoxel incoherent motion perfusion MRI and correlation with histopathology. Journal of Neuro-Oncology, 2017, 134, 433-441.	2.9	59
11	Joint super-resolution and synthesis of 1Âmm isotropic MP-RAGE volumes from clinical MRI exams with scans of different orientation, resolution and contrast. NeuroImage, 2021, 237, 118206.	4.2	52
12	Vascular Steal Explains Early Paradoxical Blood Oxygen Level-Dependent Cerebrovascular Response in Brain Regions with Delayed Arterial Transit Times. Cerebrovascular Diseases Extra, 2013, 3, 55-64.	1.5	45
13	Highlyâ€accelerated volumetric brain examination using optimized waveâ€CAIPI encoding. Journal of Magnetic Resonance Imaging, 2019, 50, 961-974.	3.4	44
14	Impaired dynamic cerebrovascular response to hypercapnia predicts development of white matter hyperintensities. NeuroImage: Clinical, 2016, 11, 796-801.	2.7	41
15	Severely impaired cerebrovascular reserve in patients with cerebral proliferative angiopathy. Journal of Neurosurgery: Pediatrics, 2011, 8, 310-315.	1.3	39
16	Cerebrovascular reactivity and white matter integrity. Neurology, 2016, 87, 2333-2339.	1.1	39
17	Validation of Highly Accelerated Waveâ€“CAIPI SWI Compared with Conventional SWI and T2*-Weighted Gradient Recalled-Echo for Routine Clinical Brain MRI at 3T. American Journal of Neuroradiology, 2019, 40, 2073-2080.	2.4	38
18	A Simplified Model for Intravoxel Incoherent Motion Perfusion Imaging of the Brain. American Journal of Neuroradiology, 2016, 37, 2251-2257.	2.4	35

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19	Vascular Dysfunction in Leukoaraiosis. American Journal of Neuroradiology, 2016, 37, 2258-2264.	2.4	34
20	Evaluation of Ultrafast Wave-CAIPI MPRAGE for Visual Grading and Automated Measurement of Brain Tissue Volume. American Journal of Neuroradiology, 2020, 41, 1388-1396.	2.4	33
21	Accurate auto-labeling of chest X-ray images based on quantitative similarity to an explainable AI model. Nature Communications, 2022, 13, 1867.	12.8	20
22	Intravoxel incoherent motion (IVIM) modeling of diffusion MRI during chemoradiation predicts therapeutic response in IDH wildtype glioblastoma. Radiotherapy and Oncology, 2021, 156, 258-265.	0.6	18
23	Accelerated Post-contrast Wave-CAIPI T1 SPACE Achieves Equivalent Diagnostic Performance Compared With Standard T1 SPACE for the Detection of Brain Metastases in Clinical 3T MRI. Frontiers in Neurology, 2020, 11, 587327.	2.4	18
24	Clinical, Imaging, and Lab Correlates of Severe COVID-19 Leukoencephalopathy. American Journal of Neuroradiology, 2021, 42, 632-638.	2.4	16
25	Case 23-2020: A 76-Year-Old Woman Who Died from Covid-19. New England Journal of Medicine, 2020, 383, 380-387.	27.0	14
26	Highâ€contrast 3D neonatal brain imaging with combined T₁â€and T₂â€weighted MPâ€RAGE. Magnetic Resonance in Medicine, 2008, 59, 1190-1196.	3.0	13
27	MarkIt: A Collaborative Artificial Intelligence Annotation Platform Leveraging Blockchain For Medical Imaging Research. Blockchain in Healthcare Today, 0, , .	3.4	12
28	Predictors of Anesthetic Exposure in Pediatric MRI. American Journal of Roentgenology, 2021, 216, 799-805.	2.2	10
29	Severity of Chest Imaging is Correlated with Risk of Acute Neuroimaging Findings among Patients with COVID-19. American Journal of Neuroradiology, 2021, 42, 831-837.	2.4	10
30	MRI Highly Accelerated Waveâ€CAIPI T1â€SPACE versus Standard T1â€SPACE to detect brain gadoliniumâ€enhancing lesions at 3T. Journal of Neuroimaging, 2021, 31, 893-901.	2.0	10
31	Evaluation of Ultrafast Waveâ€“Controlled Aliasing in Parallel Imaging 3D-FLAIR in the Visualization and Volumetric Estimation of Cerebral White Matter Lesions. American Journal of Neuroradiology, 2021, 42, 1584-1590.	2.4	10
32	Scout accelerated motion estimation and reduction (SAMER). Magnetic Resonance in Medicine, 2022, 87, 163-178.	3.0	9
33	Highâ€fidelity fast volumetric brain MRI using synergistic waveâ€controlled aliasing in parallel imaging and a hybrid denoising generative adversarial network (HDnGAN). Medical Physics, 2022, 49, 1000-1014.	3.0	9
34	An artificial intelligenceâ€accelerated 2â€minute multiâ€shot echo planar imaging protocol for comprehensive highâ€quality clinical brain imaging. Magnetic Resonance in Medicine, 2022, 87, 2453-2463.	3.0	9
35	Temporal evolution of perfusion parameters in brain metastases treated with stereotactic radiosurgery: comparison of intravoxel incoherent motion and dynamic contrast enhanced MRI. Journal of Neuro-Oncology, 2017, 135, 119-127.	2.9	8
36	Comparison of ultrafast wave-controlled aliasing in parallel imaging (CAIPI) magnetization-prepared rapid acquisition gradient echo (MP-RAGE) and standard MP-RAGE in non-sedated children: initial clinical experience. Pediatric Radiology, 2021, 51, 2009-2017.	2.0	8

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37	Evaluation of the Aggregated Time Savings in Adopting Fast Brain MRI Techniques for Outpatient Brain MRI. Academic Radiology, 2023, 30, 341-348.	2.5	5
38	Optimization of magnetization transfer contrast for EPI FLAIR brain imaging. Magnetic Resonance in Medicine, 2022, 87, 2380-2387.	3.0	4
39	Evaluation of highly accelerated wave controlled aliasing in parallel imaging (Wave-CAIPI) susceptibility-weighted imaging in the non-sedated pediatric setting: a pilot study. Pediatric Radiology, 2022, 52, 1115-1124.	2.0	4
40	ADC, D, f dataset calculated through the simplified IVIM model, with MGMT promoter methylation, age, and ECOG, in 38 patients with wildtype IDH glioblastoma. Data in Brief, 2021, 35, 106950.	1.0	3
41	Detecting Silent Acute Microinfarcts in Cerebral Small Vessel Disease Using Submillimeter Diffusion-Weighted Magnetic Resonance Imaging: Preliminary Results. Stroke, 2022, 53, .	2.0	3