Christopher Hess

List of Publications by Year
in descending order

55	3,407	186265 28	149698 56
papers	citations	h-index	g-index

57	57	57	6450
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2017, 38, 218-229.	2.4	457
2	Genetic assessment of age-associated Alzheimer disease risk: Development and validation of a polygenic hazard score. PLoS Medicine, 2017, 14, e1002258.	8.4	311
3	Assessing Radiology Research on Artificial Intelligence: A Brief Guide for Authors, Reviewers, and Readersâ€"From the Radiology Editorial Board. Radiology, 2020, 294, 487-489.	7.3	229
4	Hyperpolarized ¹³C MRI: State of the Art and Future Directions. Radiology, 2019, 291, 273-284.	7.3	210
5	Hybrid 3D/2D Convolutional Neural Network for Hemorrhage Evaluation on Head CT. American Journal of Neuroradiology, 2018, 39, 1609-1616.	2.4	183
6	Probabilistic streamline q-ball tractography using the residual bootstrap. NeuroImage, 2008, 39, 215-222.	4.2	152
7	Presentation of reversible posterior leukoencephalopathy syndrome in patients on calcineurin inhibitors. Clinical Neurology and Neurosurgery, 2010, 112, 886-891.	1.4	114
8	Immune-related genetic enrichment in frontotemporal dementia: An analysis of genome-wide association studies. PLoS Medicine, 2018, 15, e1002487.	8.4	111
9	Automated MRI measures predict progression to Alzheimer's disease. Neurobiology of Aging, 2010, 31, 1364-1374.	3.1	91
10	Standardization and Optimization of CT Protocols to Achieve LowÂDose. Journal of the American College of Radiology, 2014, 11, 271-278.	1.8	83
11	Computer-aided detection of radiation-induced cerebral microbleeds on susceptibility-weighted MR images. NeuroImage: Clinical, 2013, 2, 282-290.	2.7	77
12	Propranolol Use in <scp>PHACE</scp> Syndrome with Cervical and Intracranial Arterial Anomalies: Collective Experience in 32 Infants. Pediatric Dermatology, 2013, 30, 71-89.	0.9	76
13	Dynamic imaging by model estimation. International Journal of Imaging Systems and Technology, 1997, 8, 551-557.	4.1	75
14	Neurovascular Complications of Cocaine Use at a Tertiary Stroke Center. Journal of Stroke and Cerebrovascular Diseases, 2010, 19, 273-278.	1.6	72
15	Towards the â€œBaby Connectomeâ€• Mapping the Structural Connectivity of the Newborn Brain. PLoS ONE, 2012, 7, e31029.	2.5	70
16	A DTI-Based Template-Free Cortical Connectome Study of Brain Maturation. PLoS ONE, 2013, 8, e63310.	2.5	70
17	Selective Disruption of the Cerebral Neocortex in Alzheimer's Disease. PLoS ONE, 2010, 5, e12853.	2.5	69
18	The Role of Clusterin in Amyloid-Î²â€"Associated Neurodegeneration. JAMA Neurology, 2014, 71, 180.	9.0	66

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19	Susceptibility-weighted MR imaging of radiation therapy-induced cerebral microbleeds in patients with glioma: a comparison between 3T and 7T. Neuroradiology, 2014, 56, 91-96.	2.2	65
20	Executive functions in premanifest Huntington's disease. Movement Disorders, 2014, 29, 405-409.	3.9	60
21	Women in radiology: gender diversity is not a metricâ€”it is a tool for excellence. European Radiology, 2020, 30, 1644-1652.	4.5	56
22	Ferumoxytol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. Translational Stroke Research, 2012, 3, 166-173.	4.2	48
23	Seizure exacerbation in two patients with focal epilepsy following marijuana cessation. Epilepsy and Behavior, 2012, 25, 563-566.	1.7	37
24	Early Versus Later Presentations of Venous Malformations: Where and Why?. Pediatric Dermatology, 2013, 30, 534-540.	0.9	37
25	Advances in ultra-high field MRI for the clinical management of patients with brain tumors. Current Opinion in Neurology, 2011, 24, 605-615.	3.6	34
26	Aspirin Therapy in Venous Malformation: A Retrospective Cohort Study of Benefits, Side Effects, and Patient Experiences. Pediatric Dermatology, 2014, 31, 556-560.	0.9	33
27	Three-dimensional U-Net Convolutional Neural Network for Detection and Segmentation of Intracranial Metastases. Radiology: Artificial Intelligence, 2021, 3, e200204.	5.8	33
28	Entorhinal Cortex: Antemortem Cortical Thickness and Postmortem Neurofibrillary Tangles and Amyloid Pathology. American Journal of Neuroradiology, 2017, 38, 961-965.	2.4	30
29	Reduced field-of-view diffusion-weighted imaging of the brain at 7 T. Magnetic Resonance Imaging, 2010, 28, 1541-1545.	1.8	29
30	PHACE without Face? Infantile Hemangiomas of the Upper Body Region with Minimal or Absent Facial Hemangiomas and Associated Structural Malformations. Pediatric Dermatology, 2011, 28, 235-241.	0.9	29
31	Visualizing White Matter Pathways in the Living Human Brain: Diffusion Tensor Imaging and Beyond. Neuroimaging Clinics of North America, 2007, 17, 407-426.	1.0	27
32	Idiopathic Basal Ganglia Calcifications: An Atypical Presentation of PKAN. Pediatric Neurology, 2013, 49, 351-354.	2.1	27
33	Diffusion tensor imaging and T₂ relaxometry of bilateral lumbar nerve roots: feasibility of inâ€plane imaging. NMR in Biomedicine, 2013, 26, 630-637.	2.8	26
34	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. American Journal of Neuroradiology, 2021, 42, 1566-1575.	2.4	25
35	An Expanded Role for Neuroimaging in the Evaluation of Memory Impairment. American Journal of Neuroradiology, 2013, 34, 2075-2082.	2.4	24
36	Development and initial evaluation of 7-T q-ball imaging of the human brain. Magnetic Resonance Imaging, 2008, 26, 171-180.	1.8	23

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37	Brain without Anatomy: Construction and Comparison of Fully Network-Driven Structural MRI Connectomes. PLoS ONE, 2014, 9, e96196.	2.5	23
38	Spatial HARDI: Improved visualization of complex white matter architecture with Bayesian spatial regularization. NeuroImage, 2011, 54, 396-409.	4.2	21
39	Interinstitutional Portability of a Deep Learning Brain MRI Lesion Segmentation Algorithm. Radiology: Artificial Intelligence, 2022, 4, e200152.	5.8	18
40	Microstructure of the Default Mode Network in Preterm Infants. American Journal of Neuroradiology, 2017, 38, 343-348.	2.4	17
41	Surveillance of Unruptured Intracranial Saccular Aneurysms Using Noncontrast 3D-Black-Blood MRI: Comparison of 3D-TOF and Contrast-Enhanced MRA with 3D-DSA. American Journal of Neuroradiology, 2019, 40, 960-966.	2.4	16
42	Artificial Intelligence in Neuroradiology: Current Status and Future Directions. American Journal of Neuroradiology, 2020, 41, E52-E59.	2.4	14
43	Maximum cross-entropy generalized series reconstruction. International Journal of Imaging Systems and Technology, 1999, 10, 258-265.	4.1	11
44	Visual field defects after radiosurgery versus temporal lobectomy for mesial temporal lobe epilepsy: Findings of the ROSE trial. Seizure: the Journal of the British Epilepsy Association, 2018, 63, 62-67.	2.0	11
45	Rate of radiation-induced microbleed formation on 7T MRI relates to cognitive impairment in young patients treated with radiation therapy for a brain tumor. Radiotherapy and Oncology, 2021, 154, 145-153.	0.6	11
46	Arteriovenous Malformation: A Rare Manifestation of PHACE Syndrome. Pediatric Dermatology, 2011, 28, 180-184.	0.9	10
47	Long-Term Effectiveness of Direct CT-Guided Aspiration and Fenestration of Symptomatic Lumbar Facet Synovial Cysts. American Journal of Neuroradiology, 2018, 39, 193-198.	2.4	9
48	Recording, Editing, Archiving, and Distributing Radiology Lectures: A Streamlined Approach. Radiographics, 2007, 27, 1839-1844.	3.3	7
49	Predictive Value of Noncontrast Head CT with Negative Findings in the Emergency Department Setting. American Journal of Neuroradiology, 2020, 41, 213-218.	2.4	4
50	Cocaine Use and White Matter Hyperintensities in Homeless and Unstably Housed Women. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105675.	1.6	4
51	A data-consistent linear prediction method for image reconstruction from finite Fourier samples. International Journal of Imaging Systems and Technology, 1996, 7, 136-140.	4.1	3
52	A software system for interactive MR signal processing. Magnetic Resonance Imaging, 1997, 15, 127-130.	1.8	3
53	AJRTeaching File: Brain Tumor in a Patient With Familial Adenomatous Polyposis. American Journal of Roentgenology, 2010, 195, S25-S28.	2.2	3
54	Arterial Spin-Labeling Perfusion for PHACE Syndrome. American Journal of Neuroradiology, 2021, 42, 173-177.	2.4	3

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55	Is Dual-Energy CT Ready for Prime Time in Traumatic Brain Injury?. Radiology, 2019, 292, 739-740.	7.3	1