

# Christopher Hess

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

3,407  
citations

186265  
28  
h-index

149698  
56  
g-index

57  
all docs

57  
docs citations

57  
times ranked

6450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interinstitutional Portability of a Deep Learning Brain MRI Lesion Segmentation Algorithm. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e200152.	5.8	18
2	Rate of radiation-induced microbleed formation on 7T MRI relates to cognitive impairment in young patients treated with radiation therapy for a brain tumor. <i>Radiotherapy and Oncology</i> , 2021, 154, 145-153.	0.6	11
3	Arterial Spin-Labeling Perfusion for PHACE Syndrome. <i>American Journal of Neuroradiology</i> , 2021, 42, 173-177.	2.4	3
4	Three-dimensional U-Net Convolutional Neural Network for Detection and Segmentation of Intracranial Metastases. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200204.	5.8	33
5	Cocaine Use and White Matter Hyperintensities in Homeless and Unstably Housed Women. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105675.	1.6	4
6	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. <i>American Journal of Neuroradiology</i> , 2021, 42, 1566-1575.	2.4	25
7	Assessing Radiology Research on Artificial Intelligence: A Brief Guide for Authors, Reviewers, and Readersâ€”From the <i>Radiology</i> Editorial Board. <i>Radiology</i> , 2020, 294, 487-489.	7.3	229
8	Women in radiology: gender diversity is not a metricâ€”it is a tool for excellence. <i>European Radiology</i> , 2020, 30, 1644-1652.	4.5	56
9	Predictive Value of Noncontrast Head CT with Negative Findings in the Emergency Department Setting. <i>American Journal of Neuroradiology</i> , 2020, 41, 213-218.	2.4	4
10	Artificial Intelligence in Neuroradiology: Current Status and Future Directions. <i>American Journal of Neuroradiology</i> , 2020, 41, E52-E59.	2.4	14
11	Is Dual-Energy CT Ready for Prime Time in Traumatic Brain Injury?. <i>Radiology</i> , 2019, 292, 739-740.	7.3	1
12	Surveillance of Unruptured Intracranial Saccular Aneurysms Using Noncontrast 3D-Black-Blood MRI: Comparison of 3D-TOF and Contrast-Enhanced MRA with 3D-DSA. <i>American Journal of Neuroradiology</i> , 2019, 40, 960-966.	2.4	16
13	Hyperpolarized <sup>13</sup> C MRI: State of the Art and Future Directions. <i>Radiology</i> , 2019, 291, 273-284.	7.3	210
14	Long-Term Effectiveness of Direct CT-Guided Aspiration and Fenestration of Symptomatic Lumbar Facet Synovial Cysts. <i>American Journal of Neuroradiology</i> , 2018, 39, 193-198.	2.4	9
15	Visual field defects after radiosurgery versus temporal lobectomy for mesial temporal lobe epilepsy: Findings of the ROSE trial. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 63, 62-67.	2.0	11
16	Hybrid 3D/2D Convolutional Neural Network for Hemorrhage Evaluation on Head CT. <i>American Journal of Neuroradiology</i> , 2018, 39, 1609-1616.	2.4	183
17	Immune-related genetic enrichment in frontotemporal dementia: An analysis of genome-wide association studies. <i>PLoS Medicine</i> , 2018, 15, e1002487.	8.4	111
18	Entorhinal Cortex: Antemortem Cortical Thickness and Postmortem Neurofibrillary Tangles and Amyloid Pathology. <i>American Journal of Neuroradiology</i> , 2017, 38, 961-965.	2.4	30

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19	Microstructure of the Default Mode Network in Preterm Infants. American Journal of Neuroradiology, 2017, 38, 343-348.	2.4	17
20	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
21	Genetic assessment of age-associated Alzheimer disease risk: Development and validation of a polygenic hazard score. PLoS Medicine, 2017, 14, e1002258.	8.4	311
22	The Role of Clusterin in Amyloid- $\beta$ -Associated Neurodegeneration. JAMA Neurology, 2014, 71, 180.	9.0	66
23	Executive functions in premanifest Huntington's disease. Movement Disorders, 2014, 29, 405-409.	3.9	60
24	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
25	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
26	Standardization and Optimization of CT Protocols to Achieve Low-Dose. Journal of the American College of Radiology, 2014, 11, 271-278.	1.8	83
27	Brain without Anatomy: Construction and Comparison of Fully Network-Driven Structural MRI Connectomes. PLoS ONE, 2014, 9, e96196.	2.5	23
28	Early Versus Later Presentations of Venous Malformations: Where and Why?. Pediatric Dermatology, 2013, 30, 534-540.	0.9	37
29	Computer-aided detection of radiation-induced cerebral microbleeds on susceptibility-weighted MR images. NeuroImage: Clinical, 2013, 2, 282-290.	2.7	77
30	Idiopathic Basal Ganglia Calcifications: An Atypical Presentation of PKAN. Pediatric Neurology, 2013, 49, 351-354.	2.1	27
31	Propranolol Use in PHACE Syndrome with Cervical and Intracranial Arterial Anomalies: Collective Experience in 32 Infants. Pediatric Dermatology, 2013, 30, 71-89.	0.9	76
32	An Expanded Role for Neuroimaging in the Evaluation of Memory Impairment. American Journal of Neuroradiology, 2013, 34, 2075-2082.	2.4	24
33	Diffusion tensor imaging and $T_2$ relaxometry of bilateral lumbar nerve roots: feasibility of in-plane imaging. NMR in Biomedicine, 2013, 26, 630-637.	2.8	26
34	A DTI-Based Template-Free Cortical Connectome Study of Brain Maturation. PLoS ONE, 2013, 8, e63310.	2.5	70
35	Towards the "Baby Connectome": Mapping the Structural Connectivity of the Newborn Brain. PLoS ONE, 2012, 7, e31029.	2.5	70
36	Seizure exacerbation in two patients with focal epilepsy following marijuana cessation. Epilepsy and Behavior, 2012, 25, 563-566.	1.7	37

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37	Ferumoxylol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. <i>Translational Stroke Research</i> , 2012, 3, 166-173.	4.2	48
38	Spatial HARDI: Improved visualization of complex white matter architecture with Bayesian spatial regularization. <i>NeuroImage</i> , 2011, 54, 396-409.	4.2	21
39	Advances in ultra-high field MRI for the clinical management of patients with brain tumors. <i>Current Opinion in Neurology</i> , 2011, 24, 605-615.	3.6	34
40	Arteriovenous Malformation: A Rare Manifestation of PHACE Syndrome. <i>Pediatric Dermatology</i> , 2011, 28, 180-184.	0.9	10
41	PHACE without Face? Infantile Hemangiomas of the Upper Body Region with Minimal or Absent Facial Hemangiomas and Associated Structural Malformations. <i>Pediatric Dermatology</i> , 2011, 28, 235-241.	0.9	29
42	Reduced field-of-view diffusion-weighted imaging of the brain at 7 T. <i>Magnetic Resonance Imaging</i> , 2010, 28, 1541-1545.	1.8	29
43	AJR Teaching File: Brain Tumor in a Patient With Familial Adenomatous Polyposis. <i>American Journal of Roentgenology</i> , 2010, 195, S25-S28.	2.2	3
44	Neurovascular Complications of Cocaine Use at a Tertiary Stroke Center. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2010, 19, 273-278.	1.6	72
45	Presentation of reversible posterior leukoencephalopathy syndrome in patients on calcineurin inhibitors. <i>Clinical Neurology and Neurosurgery</i> , 2010, 112, 886-891.	1.4	114
46	Automated MRI measures predict progression to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1364-1374.	3.1	91
47	Selective Disruption of the Cerebral Neocortex in Alzheimer's Disease. <i>PLoS ONE</i> , 2010, 5, e12853.	2.5	69
48	Development and initial evaluation of 7-T q-ball imaging of the human brain. <i>Magnetic Resonance Imaging</i> , 2008, 26, 171-180.	1.8	23
49	Probabilistic streamline q-ball tractography using the residual bootstrap. <i>NeuroImage</i> , 2008, 39, 215-222.	4.2	152
50	Recording, Editing, Archiving, and Distributing Radiology Lectures: A Streamlined Approach. <i>Radiographics</i> , 2007, 27, 1839-1844.	3.3	7
51	Visualizing White Matter Pathways in the Living Human Brain: Diffusion Tensor Imaging and Beyond. <i>Neuroimaging Clinics of North America</i> , 2007, 17, 407-426.	1.0	27
52	Maximum cross-entropy generalized series reconstruction. <i>International Journal of Imaging Systems and Technology</i> , 1999, 10, 258-265.	4.1	11
53	A software system for interactive MR signal processing. <i>Magnetic Resonance Imaging</i> , 1997, 15, 127-130.	1.8	3
54	Dynamic imaging by model estimation. <i>International Journal of Imaging Systems and Technology</i> , 1997, 8, 551-557.	4.1	75

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55	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