

Jeffrey D Rudie

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,539
citations

257101

24
h-index

329751

37
g-index

37
all docs

37
docs citations

37
times ranked

6604
citing authors

#	ARTICLE	IF	CITATIONS
1	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014, 19, 659-667.	4.1	1,882
2	Development of the Default Mode and Central Executive Networks across early adolescence: A longitudinal study. <i>Developmental Cognitive Neuroscience</i> , 2014, 10, 148-159.	1.9	246
3	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. <i>Radiology</i> , 2019, 291, 781-791.	3.6	241
4	Altered Functional Connectivity in Frontal Lobe Circuits Is Associated with Variation in the Autism Risk Gene <i>CNTNAP2</i> . <i>Science Translational Medicine</i> , 2010, 2, 56ra80.	5.8	234
5	Reduced Functional Integration and Segregation of Distributed Neural Systems Underlying Social and Emotional Information Processing in Autism Spectrum Disorders. <i>Cerebral Cortex</i> , 2012, 22, 1025-1037.	1.6	163
6	Emerging Applications of Artificial Intelligence in Neuro-Oncology. <i>Radiology</i> , 2019, 290, 607-618.	3.6	159
7	Overreactive Brain Responses to Sensory Stimuli in Youth With Autism Spectrum Disorders. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2013, 52, 1158-1172.	0.3	149
8	Autism-Associated Promoter Variant in MET Impacts Functional and Structural Brain Networks. <i>Neuron</i> , 2012, 75, 904-915.	3.8	136
9	Insights into multimodal imaging classification of ADHD. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 59.	1.2	125
10	The UCLA multimodal connectivity database: a web-based platform for brain connectivity matrix sharing and analysis. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 28.	1.3	114
11	Neural Signatures of Autism Spectrum Disorders: Insights into Brain Network Dynamics. <i>Neuropsychopharmacology</i> , 2015, 40, 171-189.	2.8	103
12	Altered Structural Brain Connectivity in Healthy Carriers of the Autism Risk Gene, <i>CNTNAP2</i> . <i>Brain Connectivity</i> , 2011, 1, 447-459.	0.8	98
13	Regional fMRI Hypoactivation and Altered Functional Connectivity During Emotion Processing in Nonmedicated Depressed Patients With Bipolar II Disorder. <i>American Journal of Psychiatry</i> , 2012, 169, 831-840.	4.0	84
14	Artificial intelligence for precision education in radiology. <i>British Journal of Radiology</i> , 2019, 92, 20190389.	1.0	79
15	Artificial Intelligence System Approaching Neuroradiologist-level Differential Diagnosis Accuracy at Brain MRI. <i>Radiology</i> , 2020, 295, 626-637.	3.6	77
16	An fMRI investigation of responses to peer rejection in adolescents with autism spectrum disorders. <i>Developmental Cognitive Neuroscience</i> , 2011, 1, 260-270.	1.9	74
17	Convolutional Neural Network for Automated FLAIR Lesion Segmentation on Clinical Brain MR Imaging. <i>American Journal of Neuroradiology</i> , 2019, 40, 1282-1290.	1.2	61
18	Histopathology-validated machine learning radiographic biomarker for noninvasive discrimination between true progression and pseudo-progression in glioblastoma. <i>Cancer</i> , 2020, 126, 2625-2636.	2.0	60

#	ARTICLE	IF	CITATIONS
19	Neuroimaging of Dilated Perivascular Spaces: From Benign and Pathologic Causes to Mimics. <i>Journal of Neuroimaging</i> , 2018, 28, 139-149.	1.0	59
20	Atypical Neural Processing of Ironic and Sincere Remarks in Children and Adolescents with Autism Spectrum Disorders. <i>Metaphor and Symbol</i> , 2012, 27, 70-92.	0.4	56
21	Machine learning classification of mesial temporal sclerosis in epilepsy patients. <i>Epilepsy Research</i> , 2015, 117, 63-69.	0.8	43
22	Frontostriatal Connectivity in Children during Working Memory and the Effects of Prenatal Methamphetamine, Alcohol, and Polydrug Exposure. <i>Developmental Neuroscience</i> , 2012, 34, 43-57.	1.0	42
23	Three-dimensional U-Net Convolutional Neural Network for Detection and Segmentation of Intracranial Metastases. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200204.	3.0	33
24	Multi-Disease Segmentation of Gliomas and White Matter Hyperintensities in the BraTS Data Using a 3D Convolutional Neural Network. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 84.	1.2	30
25	Rates of Incidental Findings in Brain Magnetic Resonance Imaging in Children. <i>JAMA Neurology</i> , 2021, 78, 578.	4.5	28
26	Cancer Imaging Phenomics via CaPTk: Multi-Institutional Prediction of Progression-Free Survival and Pattern of Recurrence in Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 234-244.	1.0	26
27	Combining radiomics and deep convolutional neural network features from preoperative MRI for predicting clinically relevant genetic biomarkers in glioblastoma. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.4	22
28	Subspecialty-Level Deep Gray Matter Differential Diagnoses with Deep Learning and Bayesian Networks on Clinical Brain MRI: A Pilot Study. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190146.	3.0	20
29	Clinical Assessment of Deep Learning–based Super-Resolution for 3D Volumetric Brain MRI. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210059.	3.0	19
30	Interinstitutional Portability of a Deep Learning Brain MRI Lesion Segmentation Algorithm. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e200152.	3.0	18
31	Feasibility of Simulated Postcontrast MRI of Glioblastomas and Lower-Grade Gliomas by Using Three-dimensional Fully Convolutional Neural Networks. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200276.	3.0	15
32	An Initiative to Reduce Unnecessary Gadolinium-Based Contrast in Multiple Sclerosis Patients. <i>Journal of the American College of Radiology</i> , 2019, 16, 1158-1164.	0.9	14
33	Automated multiclass tissue segmentation of clinical brain MRIs with lesions. <i>NeuroImage: Clinical</i> , 2021, 31, 102769.	1.4	10
34	Medical Image Analysis: Human and Machine. <i>Academic Radiology</i> , 2020, 27, 76-81.	1.3	8
35	Multivariate Analysis of Preoperative Magnetic Resonance Imaging Reveals Transcriptomic Classification of de novo Glioblastoma Patients. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 81.	1.2	5
36	Brain MRI Deep Learning and Bayesian Inference System Augments Radiology Resident Performance. <i>Journal of Digital Imaging</i> , 2021, 34, 1049-1058.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Economic impact of selective use of contrast for routine follow-up MRI of patients with multiple sclerosis. <i>Journal of Neuroimaging</i> , 2022, 32, 656-666.	1.0	3