Daniel S Chow

List of Publications by Year
in descending order

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71 papers	2,397 citations	236925 25 h-index	214800 47 g-index
72 all docs	72 docs citations	72 times ranked	4044 citing authors

#	Article	IF	Citations
1	Deep-Learning Convolutional Neural Networks Accurately Classify Genetic Mutations in Gliomas. American Journal of Neuroradiology, 2018, 39, 1201-1207.	2.4	323
2	Hybrid 3D/2D Convolutional Neural Network for Hemorrhage Evaluation on Head CT. American Journal of Neuroradiology, 2018, 39, 1609-1616.	2.4	183
3	Diagnosis of Benign and Malignant Breast Lesions on DCEâ€MRI by Using Radiomics and Deep Learning With Consideration of Peritumor Tissue. Journal of Magnetic Resonance Imaging, 2020, 51, 798-809.	3.4	125
4	Aggressive resection at the infiltrative margins of glioblastoma facilitated by intraoperative fluorescein guidance. Journal of Neurosurgery, 2017, 127, 111-122.	1.6	122
5	Artificial Intelligence and Acute Stroke Imaging. American Journal of Neuroradiology, 2021, 42, 2-11.	2.4	100
6	A Multiparametric Model for Mapping Cellularity in Glioblastoma Using Radiographically Localized Biopsies. American Journal of Neuroradiology, 2017, 38, 890-898.	2.4	90
7	Machine learning for prediction of chemoradiation therapy response in rectal cancer using pre-treatment and mid-radiation multi-parametric MRI. Magnetic Resonance Imaging, 2019, 61, 33-40.	1.8	83
8	Optimizing Neuro-Oncology Imaging: A Review of Deep Learning Approaches for Glioma Imaging. Cancers, 2019, 11, 829.	3.7	75
9	Big Data and the Future of Radiology Informatics. Academic Radiology, 2016, 23, 30-42.	2.5	72
10	Automatic Breast and Fibroglandular Tissue Segmentation in Breast MRI Using Deep Learning by a Fully-Convolutional Residual Neural Network U-Net. Academic Radiology, 2019, 26, 1526-1535.	2.5	70
11	Prediction of breast cancer molecular subtypes on DCE-MRI using convolutional neural network with transfer learning between two centers. European Radiology, 2021, 31, 2559-2567.	4.5	67
12	Differentiation of spinal metastases originated from lung and other cancers using radiomics and deep learning based on DCE-MRI. Magnetic Resonance Imaging, 2019, 64, 4-12.	1.8	64
13	Glioma-Induced Alterations in Neuronal Activity and Neurovascular Coupling during Disease Progression. Cell Reports, 2020, 31, 107500.	6.4	61
14	Research productivity in neurosurgery: trends in globalization, scientific focus, and funding. Journal of Neurosurgery, 2011, 115, 1262-1272.	1.6	60
15	Semiautomated Volumetric Measurement on Postcontrast MR Imaging for Analysis of Recurrent and Residual Disease in Glioblastoma Multiforme. American Journal of Neuroradiology, 2014, 35, 498-503.	2.4	60
16	Imaging Genetic Heterogeneity in Glioblastoma and Other Glial Tumors: Review of Current Methods and Future Directions. American Journal of Roentgenology, 2018, 210, 30-38.	2.2	52
17	Predicting Glioblastoma Recurrence by Early Changes in the Apparent Diffusion Coefficient Value and Signal Intensity on FLAIR Images. American Journal of Roentgenology, 2017, 208, 57-65.	2.2	48
18	Deep Learning AI Applications in the Imaging of Glioma. Topics in Magnetic Resonance Imaging, 2020, 29, 115-00.	1.2	47

#	Article	IF	Citations
19	Increased Rates of Authorship in Radiology Publications: A Bibliometric Analysis of 142,576 Articles Published Worldwide by Radiologists Between 1991 and 2012. American Journal of Roentgenology, 2015, 204, W52-W57.	2.2	45
20	Value of Gadolinium-Enhanced MRI in Detection of Acute Appendicitis in Children and Adolescents. American Journal of Roentgenology, 2014, 203, W543-W548.	2.2	41
21	A 3D-2D Hybrid U-Net Convolutional Neural Network Approach to Prostate Organ Segmentation of Multiparametric MRI. American Journal of Roentgenology, 2021, 216, 111-116.	2.2	41
22	Applications of Artificial Intelligence to Prostate Multiparametric MRI (mpMRI): Current and Emerging Trends. Cancers, 2020, 12, 1204.	3.7	36
23	Segmentation of the Prostate Transition Zone and Peripheral Zone on MR Images with Deep Learning. Radiology Imaging Cancer, 2021, 3, e200024.	1.6	32
24	Glioblastoma Induces Vascular Dysregulation in Nonenhancing Peritumoral Regions in Humans. American Journal of Roentgenology, 2016, 206, 1073-1081.	2.2	30
25	Meta-Analysis of Diffusion Metrics for the Prediction of Tumor Grade in Gliomas. American Journal of Neuroradiology, 2015, 36, 302-308.	2.4	29
26	Confirmed case of levamisole-associated multifocal inflammatory leukoencephalopathy in a cocaine user. Journal of Neuroimmunology, 2017, 305, 128-130.	2.3	26
27	Intermediate Outcomes and Predictors of Efficacy in the Radiofrequency Ablation of 100 Pathologically Proven Renal Cell Carcinomas. Journal of Vascular and Interventional Radiology, 2014, 25, 1682-1688.	0.5	25
28	Timing of Adjuvant Radiotherapy in Glioblastoma Patients. Neurosurgery, 2016, 78, 676-682.	1.1	25
29	Risk of Nephrogenic Systemic Fibrosis in Liver Transplantation Patients. American Journal of Roentgenology, 2011, 197, 658-662.	2.2	23
30	Interventional Oncology Research in the United States: Slowing Growth, Limited Focus, and a Low Level of Funding. Radiology, 2010, 257, 410-417.	7.3	22
31	Practical applications of CISS MRI in spine imaging. European Journal of Radiology Open, 2019, 6, 231-242.	1.6	22
32	Posterior Fossa Reconstruction Using Titanium Plate for the Treatment of Cerebellar Ptosis After Decompression for Chiari Malformation. World Neurosurgery, 2014, 81, 836-841.	1.3	21
33	Impact of COVID-19 on Acute Stroke Presentation at a Comprehensive Stroke Center. Frontiers in Neurology, 2020, 11, 850.	2.4	20
34	Deep Learning with Limited Data: Organ Segmentation Performance by U-Net. Electronics (Switzerland), 2020, 9, 1199.	3.1	19
35	Development and external validation of a prognostic tool for COVID-19 critical disease. PLoS ONE, 2020, 15, e0242953.	2.5	19
36	Prevalence and timing of bend relief disconnection in patients supported by the late version HeartMate II left ventricular assist device. Journal of Heart and Lung Transplantation, 2013, 32, 320-325.	0.6	18

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37	Hypofractionated radiation therapy versus standard fractionated radiation therapy with concurrent temozolomide in elderly patients with newly diagnosed glioblastoma. Practical Radiation Oncology, 2016, 6, 306-314.	2.1	17
38	Changes in stroke research productivity: A global perspective. , 2012, 3, 27.		15
39	Intensity of Gadolinium Enhancement on MRI Is Useful in Differentiation of Intracochlear Inflammation From Tumor. Otology and Neurotology, 2014, 35, 905-910.	1.3	15
40	Extent of BOLD Vascular Dysregulation Is Greater in Diffuse Gliomas without Isocitrate Dehydrogenase 1 R132H Mutation. Radiology, 2018, 287, 965-972.	7.3	15
41	Updates on Deep Learning and Glioma. Neuroimaging Clinics of North America, 2020, 30, 493-503.	1.0	15
42	Neurovascular dynamics of repeated cortical spreading depolarizations after acute brain injury. Cell Reports, 2021, 37, 109794.	6.4	15
43	Global Trend in Breast Cancer Imaging Research 1992â€“2012: Bibliometric Study. American Journal of Roentgenology, 2014, 202, 696-697.	2.2	13
44	Outcomes of Artificial Intelligence Volumetric Assessment of Kidneys and Renal Tumors for Preoperative Assessment of Nephron-Sparing Interventions. Journal of Endourology, 2021, 35, 1411-1418.	2.1	11
45	Differential dynamics of peripheral immune responses to acute SARS-CoV-2 infection in older adults. Nature Aging, 2021, 1, 1038-1052.	11.6	10
46	SynergyNet: A Fusion Framework for Multiple Sclerosis Brain MRI Segmentation with Local Refinement. , 2020, , .		8
47	Neuroanatomical Correlates Underlying the Association Between Maternal Interleukin 6 Concentration During Pregnancy and Offspring Fluid Reasoning Performance in Early Childhood. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 24-33.	1.5	8
48	A Modern Radiotherapy Series of Survival in Hispanic Patients with Glioblastoma. World Neurosurgery, 2016, 88, 260-269.	1.3	7
49	Renal granular cell tumour (Abrikossoff tumour): case report and review of the literature. British Journal of Radiology, 2011, 84, e45-e47.	2.2	6
50	Computer-Assisted Volumetric Measurement of Core Infarct Volume in Pediatric Patients: Feasibility for Clinical Use and Development of Quantitative Metrics for Outcome Prediction. American Journal of Neuroradiology, 2015, 36, 789-794.	2.4	6
51	Nephrogenic Systemic Fibrosis Risk and Liver Disease. International Journal of Nephrology, 2014, 2014, 1-6.	1.3	5
52	Have We Given Up on Breast Cancer Metastasis? Global Trends in Breast Cancer Metastasis Research Productivity. Breast Journal, 2015, 21, 442-444.	1.0	5
53	Challenges managing endâ€stage renal disease and kidney transplantation in a child with MTFMT mutation and moyamoya disease. Pediatric Transplantation, 2016, 20, 1000-1003.	1.0	5
54	Thoracic and Abdominal Devices Radiologists Should Recognize: Pictorial Review. American Journal of Roentgenology, 2009, 193, S106-S118.	2.2	4

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55	An evaluation of the sensitivity of MRI at detecting hepatocellular carcinoma in cirrhotic patients utilizing an explant reference standard. Clinical Imaging, 2014, 38, 693-697.	1.5	4
56	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
57	Multidetector Computed Tomographic Features of Oncocytic Papillary Renal Cell Carcinoma, a New Subtype. Journal of Computer Assisted Tomography, 2010, 34, 380-384.	0.9	2
58	Beyond the embolus: â€œdo not missâ€•diffusion abnormalities of ischaemic and non-ischaemic neurological disease. Insights Into Imaging, 2017, 8, 573-580.	3.4	2
59	Asynchrony in Peritumoral Resting-State Blood Oxygen Levelâ€“Dependent fMRI Predicts Meningioma Grade and Invasion. American Journal of Neuroradiology, 2021, 42, 1293-1298.	2.4	2
60	Neuroimaging Considerations in Patients with Chronic Kidney Disease. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105930.	1.6	2
61	Behind the Name: Eponyms of Neuroradiology. Neurographics, 2015, 5, 107-119.	0.1	1
62	Wernicke-Like Encephalopathy Associated With Ifosfamide. Neurohospitalist, The, 2017, 7, 49-50.	0.8	1
63	Reply:. American Journal of Neuroradiology, 2018, 39, E128-E128.	2.4	1
64	Thoracic and Abdominal Devices Radiologists Should Recognize: Self-Assessment Module. American Journal of Roentgenology, 2009, 193, S119-S122.	2.2	0
65	1480 PERCUTANEOUS CT AND US GUIDED RADIOFREQUENCY ABLATION OF RENAL MASSES: LONG TERM EFFICACY. Journal of Urology, 2010, 183, .	0.4	0
66	Bridging the Racial Gap. National Trend in African-American Women Breast Cancer Research Productivity from 1992 to 2012. Breast Journal, 2015, 21, 324-325.	1.0	0
67	Abstract P4-14-11: National trend in African American women breast cancer research productivity from 1992-2012. , 2015, , .		0
68	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
69	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
70	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
71	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0