

Daniel S Chow

List of Publications by Year in descending order

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Version: 2024-02-01

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	Neuroanatomical Correlates Underlying the Association Between Maternal Interleukin 6 Concentration During Pregnancy and Offspring Fluid Reasoning Performance in Early Childhood. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 24-33.	1.5	8
2	Prediction of breast cancer molecular subtypes on DCE-MRI using convolutional neural network with transfer learning between two centers. <i>European Radiology</i> , 2021, 31, 2559-2567.	4.5	67
3	Artificial Intelligence and Acute Stroke Imaging. <i>American Journal of Neuroradiology</i> , 2021, 42, 2-11.	2.4	100
4	A 3D-2D Hybrid U-Net Convolutional Neural Network Approach to Prostate Organ Segmentation of Multiparametric MRI. <i>American Journal of Roentgenology</i> , 2021, 216, 111-116.	2.2	41
5	Segmentation of the Prostate Transition Zone and Peripheral Zone on MR Images with Deep Learning. <i>Radiology Imaging Cancer</i> , 2021, 3, e200024.	1.6	32
6	Asynchrony in Peritumoral Resting-State Blood Oxygen Level-Dependent fMRI Predicts Meningioma Grade and Invasion. <i>American Journal of Neuroradiology</i> , 2021, 42, 1293-1298.	2.4	2
7	Neuroimaging Considerations in Patients with Chronic Kidney Disease. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105930.	1.6	2
8	Outcomes of Artificial Intelligence Volumetric Assessment of Kidneys and Renal Tumors for Preoperative Assessment of Nephron-Sparing Interventions. <i>Journal of Endourology</i> , 2021, 35, 1411-1418.	2.1	11
9	Neurovascular dynamics of repeated cortical spreading depolarizations after acute brain injury. <i>Cell Reports</i> , 2021, 37, 109794.	6.4	15
10	Differential dynamics of peripheral immune responses to acute SARS-CoV-2 infection in older adults. <i>Nature Aging</i> , 2021, 1, 1038-1052.	11.6	10
11	Diagnosis of Benign and Malignant Breast Lesions on DCE-MRI by Using Radiomics and Deep Learning With Consideration of Peritumor Tissue. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 798-809.	3.4	125
12	Updates on Deep Learning and Glioma. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 493-503.	1.0	15
13	Deep Learning with Limited Data: Organ Segmentation Performance by U-Net. <i>Electronics (Switzerland)</i> , 2020, 9, 1199.	3.1	19
14	Impact of COVID-19 on Acute Stroke Presentation at a Comprehensive Stroke Center. <i>Frontiers in Neurology</i> , 2020, 11, 850.	2.4	20
15	Applications of Artificial Intelligence to Prostate Multiparametric MRI (mpMRI): Current and Emerging Trends. <i>Cancers</i> , 2020, 12, 1204.	3.7	36
16	SynergyNet: A Fusion Framework for Multiple Sclerosis Brain MRI Segmentation with Local Refinement. , 2020, , .		8
17	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
18	Deep Learning AI Applications in the Imaging of Glioma. <i>Topics in Magnetic Resonance Imaging</i> , 2020, 29, 115-00.	1.2	47

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19	Glioma-Induced Alterations in Neuronal Activity and Neurovascular Coupling during Disease Progression. <i>Cell Reports</i> , 2020, 31, 107500.	6.4	61
20	Development and external validation of a prognostic tool for COVID-19 critical disease. <i>PLoS ONE</i> , 2020, 15, e0242953.	2.5	19
21	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
22	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
23	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
24	Development and external validation of a prognostic tool for COVID-19 critical disease. , 2020, 15, e0242953.		0
25	Practical applications of CISS MRI in spine imaging. <i>European Journal of Radiology Open</i> , 2019, 6, 231-242.	1.6	22
26	Automatic Breast and Fibroglandular Tissue Segmentation in Breast MRI Using Deep Learning by a Fully-Convolutional Residual Neural Network U-Net. <i>Academic Radiology</i> , 2019, 26, 1526-1535.	2.5	70
27	Optimizing Neuro-Oncology Imaging: A Review of Deep Learning Approaches for Glioma Imaging. <i>Cancers</i> , 2019, 11, 829.	3.7	75
28	Machine learning for prediction of chemoradiation therapy response in rectal cancer using pre-treatment and mid-radiation multi-parametric MRI. <i>Magnetic Resonance Imaging</i> , 2019, 61, 33-40.	1.8	83
29	Differentiation of spinal metastases originated from lung and other cancers using radiomics and deep learning based on DCE-MRI. <i>Magnetic Resonance Imaging</i> , 2019, 64, 4-12.	1.8	64
30	Extent of BOLD Vascular Dysregulation Is Greater in Diffuse Gliomas without Isocitrate Dehydrogenase 1 R132H Mutation. <i>Radiology</i> , 2018, 287, 965-972.	7.3	15
31	Imaging Genetic Heterogeneity in Glioblastoma and Other Glial Tumors: Review of Current Methods and Future Directions. <i>American Journal of Roentgenology</i> , 2018, 210, 30-38.	2.2	52
32	Reply:. <i>American Journal of Neuroradiology</i> , 2018, 39, E128-E128.	2.4	1
33	Deep-Learning Convolutional Neural Networks Accurately Classify Genetic Mutations in Gliomas. <i>American Journal of Neuroradiology</i> , 2018, 39, 1201-1207.	2.4	323
34	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
35	Wernicke-Like Encephalopathy Associated With Ifosfamide. <i>Neurohospitalist, The</i> , 2017, 7, 49-50.	0.8	1
36	A Multiparametric Model for Mapping Cellularity in Glioblastoma Using Radiographically Localized Biopsies. <i>American Journal of Neuroradiology</i> , 2017, 38, 890-898.	2.4	90

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37	Confirmed case of levamisole-associated multifocal inflammatory leukoencephalopathy in a cocaine user. <i>Journal of Neuroimmunology</i> , 2017, 305, 128-130.	2.3	26
38	Beyond the embolus: â€œdo not missâ€ diffusion abnormalities of ischaemic and non-ischaemic neurological disease. <i>Insights Into Imaging</i> , 2017, 8, 573-580.	3.4	2
39	Predicting Glioblastoma Recurrence by Early Changes in the Apparent Diffusion Coefficient Value and Signal Intensity on FLAIR Images. <i>American Journal of Roentgenology</i> , 2017, 208, 57-65.	2.2	48
40	Aggressive resection at the infiltrative margins of glioblastoma facilitated by intraoperative fluorescein guidance. <i>Journal of Neurosurgery</i> , 2017, 127, 111-122.	1.6	122
41	Timing of Adjuvant Radiotherapy in Glioblastoma Patients. <i>Neurosurgery</i> , 2016, 78, 676-682.	1.1	25
42	Challenges managing endâ€stage renal disease and kidney transplantation in a child with MTFMT mutation and moyamoya disease. <i>Pediatric Transplantation</i> , 2016, 20, 1000-1003.	1.0	5
43	Hypofractionated radiation therapy versus standard fractionated radiation therapy with concurrent temozolomide in elderly patients with newly diagnosed glioblastoma. <i>Practical Radiation Oncology</i> , 2016, 6, 306-314.	2.1	17
44	Big Data and the Future of Radiology Informatics. <i>Academic Radiology</i> , 2016, 23, 30-42.	2.5	72
45	Glioblastoma Induces Vascular Dysregulation in Nonenhancing Peritumoral Regions in Humans. <i>American Journal of Roentgenology</i> , 2016, 206, 1073-1081.	2.2	30
46	A Modern Radiotherapy Series of Survival in Hispanic Patients with Glioblastoma. <i>World Neurosurgery</i> , 2016, 88, 260-269.	1.3	7
47	Have We Given Up on Breast Cancer Metastasis? Global Trends in Breast Cancer Metastasis Research Productivity. <i>Breast Journal</i> , 2015, 21, 442-444.	1.0	5
48	Behind the Name: Eponyms of Neuroradiology. <i>Neurographics</i> , 2015, 5, 107-119.	0.1	1
49	Computer-Assisted Volumetric Measurement of Core Infarct Volume in Pediatric Patients: Feasibility for Clinical Use and Development of Quantitative Metrics for Outcome Prediction. <i>American Journal of Neuroradiology</i> , 2015, 36, 789-794.	2.4	6
50	Increased Rates of Authorship in Radiology Publications: A Bibliometric Analysis of 142,576 Articles Published Worldwide by Radiologists Between 1991 and 2012. <i>American Journal of Roentgenology</i> , 2015, 204, W52-W57.	2.2	45
51	Meta-Analysis of Diffusion Metrics for the Prediction of Tumor Grade in Gliomas. <i>American Journal of Neuroradiology</i> , 2015, 36, 302-308.	2.4	29
52	Bridging the Racial Gap. National Trend in African-American Women Breast Cancer Research Productivity from 1992 to 2012. <i>Breast Journal</i> , 2015, 21, 324-325.	1.0	0
53	Abstract P4-14-11: National trend in African American women breast cancer research productivity from 1992-2012. , 2015, , .		0
54	Nephrogenic Systemic Fibrosis Risk and Liver Disease. <i>International Journal of Nephrology</i> , 2014, 2014, 1-6.	1.3	5

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55	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
56	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
57	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
58	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
59	Global Trend in Breast Cancer Imaging Research 1992â€“2012: Bibliometric Study. American Journal of Roentgenology, 2014, 202, 696-697.	2.2	13
60	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
61	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
62	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
63	Changes in stroke research productivity: A global perspective. , 2012, 3, 27.		15
64	Research productivity in neurosurgery: trends in globalization, scientific focus, and funding. Journal of Neurosurgery, 2011, 115, 1262-1272.	1.6	60
65	Renal granular cell tumour (Abrikossoff tumour): case report and review of the literature. British Journal of Radiology, 2011, 84, e45-e47.	2.2	6
66	Risk of Nephrogenic Systemic Fibrosis in Liver Transplantation Patients. American Journal of Roentgenology, 2011, 197, 658-662.	2.2	23
67	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
68	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
69	1480 PERCUTANEOUS CT AND US GUIDED RADIOFREQUENCY ABLATION OF RENAL MASSES: LONG TERM EFFICACY. Journal of Urology, 2010, 183, .	0.4	0
70	Thoracic and Abdominal Devices Radiologists Should Recognize: <i>Self-Assessment Module</i>. American Journal of Roentgenology, 2009, 193, S119-S122.	2.2	0
71	Thoracic and Abdominal Devices Radiologists Should Recognize: <i>Pictorial Review</i>. American Journal of Roentgenology, 2009, 193, S106-S118.	2.2	4