

Timothy J Amrhein

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,522
citations

331670

21
h-index

206112

48
g-index

61
all docs

61
docs citations

61
times ranked

2831
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists. <i>PLoS Medicine</i> , 2018, 15, e1002686.	8.4	773
2	Comparative effectiveness of convolutional neural network (CNN) and recurrent neural network (RNN) architectures for radiology text report classification. <i>Artificial Intelligence in Medicine</i> , 2019, 97, 79-88.	6.5	158
3	Deep Learning to Classify Radiology Free-Text Reports. <i>Radiology</i> , 2018, 286, 845-852.	7.3	154
4	Myelographic Techniques for the Detection of Spinal CSF Leaks in Spontaneous Intracranial Hypotension. <i>American Journal of Roentgenology</i> , 2016, 206, 8-19.	2.2	115
5	How common is normal cerebrospinal fluid pressure in spontaneous intracranial hypotension?. <i>Cephalgia</i> , 2016, 36, 1209-1217.	3.9	97
6	CSF Venous Fistulas in Spontaneous Intracranial Hypotension: Imaging Characteristics on Dynamic and CT Myelography. <i>American Journal of Roentgenology</i> , 2017, 209, 1360-1366.	2.2	96
7	Human-machine partnership with artificial intelligence for chest radiograph diagnosis. <i>Npj Digital Medicine</i> , 2019, 2, 111.	10.9	94
8	Imaging Signs in Spontaneous Intracranial Hypotension: Prevalence and Relationship to CSF Pressure. <i>American Journal of Neuroradiology</i> , 2016, 37, 1374-1378.	2.4	87
9	Spontaneous Intracranial Hypotension: 10 Myths and Misperceptions. <i>Headache</i> , 2018, 58, 948-959.	3.9	87
10	Update on the Diagnosis and Treatment of Spontaneous Intracranial Hypotension. <i>Current Pain and Headache Reports</i> , 2017, 21, 37.	2.9	86
11	Spontaneous Intracranial Hypotension. <i>Neuroimaging Clinics of North America</i> , 2019, 29, 581-594.	1.0	80
12	The "Hyperdense Paraspinal Vein" Sign: A Marker of CSF-Venous Fistula. <i>American Journal of Neuroradiology</i> , 2016, 37, 1379-1381.	2.4	64
13	Development and Performance of the Pulmonary Embolism Result Forecast Model (PERFORM) for Computed Tomography Clinical Decision Support. <i>JAMA Network Open</i> , 2019, 2, e198719.	5.9	50
14	Spontaneous Intracranial Hypotension. <i>Radiologic Clinics of North America</i> , 2019, 57, 439-451.	1.8	50
15	Clinical Outcomes Following Surgical Ligation of Cerebrospinal Fluid-Venous Fistula in Patients With Spontaneous Intracranial Hypotension: A Prospective Case Series. <i>Operative Neurosurgery</i> , 2020, 18, 239-245.	0.8	46
16	CSF Venous Fistulas: Anatomy and Diagnostic Imaging. <i>American Journal of Roentgenology</i> , 2021, 217, 1418-1429.	2.2	41
17	Performance of a Machine Learning Classifier of Knee MRI Reports in Two Large Academic Radiology Practices: A Tool to Estimate Diagnostic Yield. <i>American Journal of Roentgenology</i> , 2017, 208, 750-753.	2.2	38
18	Time-Dependent Changes in Dural Enhancement Associated With Spontaneous Intracranial Hypotension. <i>American Journal of Roentgenology</i> , 2016, 207, 1283-1287.	2.2	37

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19	Risk for Nephrogenic Systemic Fibrosis After Exposure to Newer Gadolinium Agents. <i>Annals of Internal Medicine</i> , 2020, 173, 110-119.	3.9	26
20	Decubitus CT Myelography for Detecting Subtle CSF Leaks in Spontaneous Intracranial Hypotension. <i>American Journal of Neuroradiology</i> , 2019, 40, 754-756.	2.4	25
21	Optimizing Diffusion-Tensor Imaging Acquisition for Spinal Cord Assessment: Physical Basis and Technical Adjustments. <i>Radiographics</i> , 2020, 40, 403-427.	3.3	25
22	Imaging Approach to Myelopathy. <i>Radiologic Clinics of North America</i> , 2019, 57, 257-279.	1.8	23
23	CT Fluoroscopyâ€“Guided Blood Patching of Ventral CSF Leaks by Direct Needle Placement in the Ventral Epidural Space Using a Transforaminal Approach. <i>American Journal of Neuroradiology</i> , 2016, 37, 1951-1956.	2.4	20
24	Reducing Patient Radiation Exposure From CT Fluoroscopyâ€“Guided Lumbar Spine Pain Injections by Targeting the Planning CT. <i>American Journal of Roentgenology</i> , 2016, 206, 390-394.	2.2	19
25	Approach to Imaging in Patients with Spontaneous Intracranial Hemorrhage. <i>Neuroimaging Clinics of North America</i> , 2018, 28, 353-374.	1.0	19
26	Mn Porphyrins as Novel Molecular Magnetic Resonance Imaging Contrast Agents. <i>Journal of Endourology</i> , 2012, 26, 1420-1424.	2.1	16
27	Respiratory Phase Affects the Conspicuity of CSFâ€“Venous Fistulas in Spontaneous Intracranial Hypotension. <i>American Journal of Neuroradiology</i> , 2020, 41, 1754-1756.	2.4	16
28	Physician Self-Referral: Frequency of Negative Findings at MR Imaging of the Knee as a Marker of Appropriate Utilization. <i>Radiology</i> , 2013, 269, 810-815.	7.3	12
29	Postsurgical Recurrence of CSF-Venous Fistulas in Spontaneous Intracranial Hypotension. <i>Neurology: Clinical Practice</i> , 2021, 11, e356-e358.	1.6	11
30	Instituting a radiology residency scholarly activity program. <i>Education for Health: Change in Learning and Practice</i> , 2015, 28, 68.	0.3	11
31	Reformatted images improve the detection rate of acute traumatic subdural hematomas on brain CT compared with axial images alone. <i>Emergency Radiology</i> , 2017, 24, 39-45.	1.8	10
32	Bronchial Artery Arising from the Left Vertebral Artery: Case Report and Review of the Literature. <i>Journal of Clinical Imaging Science</i> , 2011, 1, 62.	1.1	10
33	Physician Self-Referral and Imaging Use Appropriateness: Negative Cervical Spine MRI Frequency as an Assessment Metric. <i>American Journal of Neuroradiology</i> , 2014, 35, 2248-2253.	2.4	9
34	Inadvertent Intrafacet Injection during Lumbar Interlaminar Epidural Steroid Injection: A Comparison of CT Fluoroscopic and Conventional Fluoroscopic Guidance. <i>American Journal of Neuroradiology</i> , 2017, 38, 398-402.	2.4	9
35	The Source and the Course of the Articular Branches to the T4-T8 Zygapophysial Joints. <i>Pain Medicine</i> , 2019, 20, 2371-2376.	1.9	9
36	Differentiation of Chiari malformation type 1 and spontaneous intracranial hypotension using objective measurements of midbrain sagging. <i>Journal of Neurosurgery</i> , 2022, 136, 1796-1803.	1.6	9

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37	Photon-Counting Computed Tomography Scan of a Cerebrospinal Fluid Venous Fistula. <i>JAMA Neurology</i> , 2022, 79, 628.	9.0	9
38	The promise and challenges of CSF-venous fistula treatment. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 951-952.	3.3	8
39	Technique for CT Fluoroscopyâ€“Guided Lumbar Medial Branch Blocks and Radiofrequency Ablation. <i>American Journal of Roentgenology</i> , 2016, 207, 631-634.	2.2	7
40	JOURNAL CLUB: Shoulder MRI Utilization: Relationship of Physician MRI Equipment Ownership to Negative Study Frequency. <i>American Journal of Roentgenology</i> , 2013, 201, 605-610.	2.2	6
41	Spontaneous brain parenchymal hemorrhage: an approach to imaging for the emergency room radiologist. <i>Emergency Radiology</i> , 2015, 22, 53-63.	1.8	6
42	Combination of exome sequencing and immune testing confirms Aicardiâ€“GoutiÃˆres syndrome type 5 in a challenging pediatric neurology case. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a002758.	1.2	6
43	CT Fluoroscopyâ€“Guided Interlaminar Epidural Steroid Injections in the Cervical Spine: Rate of Nontarget Injection Into the Retrodural Space of Okada. <i>American Journal of Roentgenology</i> , 2018, 211, 426-431.	2.2	6
44	CSF volume provocation maneuvers during lumbar puncture as a possible predictive tool for diagnosing spontaneous intracranial hypotension. <i>Clinical Neurology and Neurosurgery</i> , 2019, 186, 105552.	1.4	6
45	Dual energy CT for the identification of CSF-Venous Fistulas and CSF leaks in spontaneous intracranial hypotension: Report of four cases. <i>Radiology Case Reports</i> , 2022, 17, 1824-1829.	0.6	6
46	Cross-sectional CT Assessment of the Extent of Injectate Spread at CT Fluoroscopyâ€“guided Cervical Epidural Interlaminar Steroid Injections. <i>Radiology</i> , 2019, 292, 723-729.	7.3	5
47	Popping the balloon: Abrupt onset of a spinal CSF leak and spontaneous intracranial hypotension in idiopathic intracranial hypertension, a case report. <i>Headache</i> , 2022, 62, 208-211.	3.9	5
48	Efficacy of epidural blood patching or surgery in spontaneous intracranial hypotension: an evidence map protocol. <i>Systematic Reviews</i> , 2022, 11, .	5.3	5
49	Arachnoiditis following epidural blood patchâ€“An avoidable rare complication due to blind technique. <i>Headache</i> , 2021, 61, 972-973.	3.9	3
50	Mn-Porphyrins as Novel Molecular MRI Contrast Agents. <i>Journal of Endourology</i> , 2011, , 111222131612007.	2.1	3
51	Spontaneous Intracranial Hypotension: 10 Myths and Misperceptions â€“ An Editorial Comment. <i>Headache</i> , 2019, 59, 977-978.	3.9	2
52	Non-dysbaric arterial gas embolism associated with chronic necrotizing pneumonia, bullae and coughing: a case report. <i>Undersea and Hyperbaric Medicine</i> , 2017, 44, 73-77.	0.3	2
53	Perioperative Management of Intracranial Aneurysms and Otologic Disease. <i>Laryngoscope</i> , 2007, 117, 35-39.	2.0	1
54	Childhood-onset Systemic Lupus Erythematosus Complicated by Posterior Reversible Encephalopathy Syndrome in The Context of Kidney Dialysis and Plasma Exchange in Pediatric Lupus. <i>Journal of Pediatric Neurology</i> , 2016, 14, 105-109.	0.2	1

#	ARTICLE	IF	CITATIONS
55	T2 Contrast. , 2012, , 19-41.		1
56	Phase Contrast. , 2012, , 201-212.		0
57	Chemical Shift Type 2 Artifact. , 2012, , 99-110.		0
58	Flow-Related Contrast. , 2012, , 151-171.		0
59	Time-of-Flight Imaging. , 2012, , 173-185.		0