Safwan S Halabi

List of Publications by Year
in descending order

41 papers	3,868 citations	331670 21 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	4641 citing authors

#	Article	IF	Citations
1	CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 590-597.	4.9	954
2	Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists. PLoS Medicine, 2018, 15, e1002686.	8.4	773
3	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. PLoS Medicine, 2018, 15, e1002699.	8.4	409
4	Performance of a Deep-Learning Neural Network Model in Assessing Skeletal Maturity on Pediatric Hand Radiographs. Radiology, 2018, 287, 313-322.	7.3	327
5	The RSNA Pediatric Bone Age Machine Learning Challenge. Radiology, 2019, 290, 498-503.	7.3	277
6	Deep Learning–Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model. JAMA Network Open, 2019, 2, e195600.	5.9	163
7	Augmenting the National Institutes of Health Chest Radiograph Dataset with Expert Annotations of Possible Pneumonia. Radiology: Artificial Intelligence, 2019, 1, e180041.	5.8	141
8	Human–machine partnership with artificial intelligence for chest radiograph diagnosis. Npj Digital Medicine, 2019, 2, 111.	10.9	94
9	Construction of a Machine Learning Dataset through Collaboration: The RSNA 2019 Brain CT Hemorrhage Challenge. Radiology: Artificial Intelligence, 2020, 2, e190211.	5.8	94
10	Challenges Related to Artificial Intelligence Research in Medical Imaging and the Importance of Image Analysis Competitions. Radiology: Artificial Intelligence, 2019, 1, e180031.	5.8	88
11	Decoding COVID-19 pneumonia: comparison of deep learning and radiomics CT image signatures. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1478-1486.	6.4	66
12	The RSNA Pulmonary Embolism CT Dataset. Radiology: Artificial Intelligence, 2021, 3, e200254.	5.8	44
13	Artificial Intelligence Algorithm Improves Radiologist Performance in Skeletal Age Assessment: A Prospective Multicenter Randomized Controlled Trial. Radiology, 2021, 301, 692-699.	7.3	43
14	Data Science: Big Data, Machine Learning, and Artificial Intelligence. Journal of the American College of Radiology, 2018, 15, 497-498.	1.8	40
15	Improving Automated Pediatric Bone Age Estimation Using Ensembles of Models from the 2017 RSNA Machine Learning Challenge. Radiology: Artificial Intelligence, 2019, 1, e190053.	5.8	36
16	Lumbar Imaging With Reporting Of Epidemiology (LIRE)—Protocol for a pragmatic cluster randomized trial. Contemporary Clinical Trials, 2015, 45, 157-163.	1.8	35
17	Artificial Swarm Intelligence employed to Amplify Diagnostic Accuracy in Radiology. , 2018, , .		35
18	The Effect of Including Benchmark Prevalence Data of Common Imaging Findings in Spine Image Reports on Health Care Utilization Among Adults Undergoing Spine Imaging. JAMA Network Open, 2020, 3, e2015713.	5.9	33

#	Article	IF	Citations
19	The Effect of Clinical Decision Support for Advanced Inpatient Imaging. Journal of the American College of Radiology, 2015, 12, 358-363.	1.8	30
20	Deep learning to automate Brasfield chest radiographic scoring for cystic fibrosis. Journal of Cystic Fibrosis, 2020, 19, 131-138.	0.7	28
21	Multi-classifier-based identification of COVID-19 from chest computed tomography using generalizable and interpretable radiomics features. European Journal of Radiology, 2021, 136, 109552.	2.6	25
22	Technical Challenges in the Clinical Application of Radiomics. JCO Clinical Cancer Informatics, 2017, 1, 1-8.	2.1	23
23	Migrating to the Modern PACS: Challenges and Opportunities. Radiographics, 2018, 38, 1761-1772.	3.3	17
24	Attention-guided deep learning for gestational age prediction using fetal brain MRI. Scientific Reports, 2022, 12, 1408.	3.3	15
25	Translational Radiomics: Defining the Strategy Pipeline and Considerations for Application—Part 1: From Methodology to Clinical Implementation. Journal of the American College of Radiology, 2018, 15, 538-542.	1.8	12
26	Translational Radiomics: Defining the Strategy Pipeline and Considerations for Application—Part 2: From Clinical Implementation to Enterprise. Journal of the American College of Radiology, 2018, 15, 543-549.	1.8	10
27	Data Sharing of Imaging in an Evolving Health Care World: Report of the ACR Data Sharing Workgroup, Part 1: Data Ethics of Privacy, Consent, and Anonymization. Journal of the American College of Radiology, 2021, 18, 1646-1654.	1.8	10
28	Sonographic Diagnosis of Velamentous and Marginal Placental Cord Insertion. Ultrasound Quarterly, 2020, 36, 247-254.	0.8	8
29	Improving the Application of Imaging Clinical Decision Support Tools: Making the Complex Simple. Journal of the American College of Radiology, 2014, 11, 257-261.	1.8	7
30	Concierge and Second-Opinion Radiology: Review of Current Practices. Current Problems in Diagnostic Radiology, 2016, 45, 111-114.	1.4	7
31	Evaluating the Effect of Unstructured Clinical Information on Clinical Decision Support Appropriateness Ratings. Journal of the American College of Radiology, 2017, 14, 737-743.	1.8	5
32	Datafish Multiphase Data Mining Technique to Match Multiple Mutually Inclusive Independent Variables in Large PACS Databases. Journal of Digital Imaging, 2016, 29, 331-336.	2.9	4
33	In fetuses with congenital lung masses, decreased ventricular and atrioventricular valve dimensions are associated with lesion size and clinical outcome. Prenatal Diagnosis, 2020, 40, 206-215.	2.3	4
34	Obstetric and neonatal outcomes in pregnancies complicated by fetal lung masses: does final histology matter?[#]. Journal of Maternal-Fetal and Neonatal Medicine, 2021, 34, 3662-3668.	1.5	3
35	Data Sharing of Imaging in an Evolving Health Care World: Report of the ACR Data Sharing Workgroup, Part 2: Annotation, Curation, and Contracting. Journal of the American College of Radiology, 2021, 18, 1655-1665.	1.8	3
36	Taking Matters into Your Own Hands. Radiology: Artificial Intelligence, 2020, 2, e200150.	5.8	1

#	Article	IF	Citations
37	Deep learning augments liver stiffness classification in children. Pediatric Radiology, 2021, 51, 381-382.	2.0	1
38	Introduction to the artificial intelligence in pediatric radiology imaging special issue. Pediatric Radiology, 2021, , 1.	2.0	1
39	Large intra-thoracic desmoid tumor with airway compression: AÂcase report and review of the literature. Journal of Pediatric Surgery Case Reports, 2016, 5, 15-18.	0.2	0
40	209: Obstetric and neonatal outcomes in pregnancies complicated by fetal lung masses: doesÂfinal histology matter?. American Journal of Obstetrics and Gynecology, 2019, 220, S151.	1.3	0
41	Artificially Practical in Every Way. Journal of the American College of Radiology, 2020, 17, 1361-1362.	1.8	0