Michael T Lu

List of Publications by Year
in descending order

66 papers	2,521 citations	318942 23 h-index	232693 48 g-index
66 all docs	66 docs citations	66 times ranked	3629 citing authors

#	Article	IF	Citations
1	Deep Learning to Predict Mortality After Cardiothoracic Surgery Using Preoperative Chest Radiographs. Annals of Thoracic Surgery, 2023, 115, 257-264.	0.7	3
2	COVID-19 Vaccination Rates in a Global HIV Cohort. Journal of Infectious Diseases, 2022, 225, 603-607.	1.9	8
3	Prevalence and Correlates of Electrocardiographic Abnormalities in Adults With HIV: Insights From the Randomized Trial to Prevent Vascular Events in HIV (REPRIEVE). Journal of Acquired Immune Deficiency Syndromes (1999), 2022, 89, 349-359.	0.9	4
4	Are risk factors necessary for pretest probability assessment of coronary artery disease? A patient similarity network analysis of the PROMISE trial. Journal of Cardiovascular Computed Tomography, 2022, 16, 397-403.	0.7	5
5	The Journal of cardiovascular computed tomography: A year in review 2021. Journal of Cardiovascular Computed Tomography, 2022, , .	0.7	1
6	Differences in Cardiovascular Risk, Coronary Artery Disease, and Cardiac Events Between Black and White Individuals Enrolled in the PROMISE Trial. JAMA Cardiology, 2022, 7, 259.	3.0	2
7	Proteomic Signature of Subclinical Coronary Artery Disease in People With HIV: Analysis of the REPRIEVE Mechanistic Substudy. Journal of Infectious Diseases, 2022, 226, 1809-1822.	1.9	11
8	Deep Learning to Optimize Candidate Selection for Lung Cancer CT Screening: Advancing the 2021 USPSTF Recommendations. Radiology, 2022, 305, 209-218.	3.6	10
9	Venous thrombosis, thromboembolism, biomarkers of inflammation, and coagulation in coronavirus disease 2019. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2021, 9, 835-844.e4.	0.9	14
10	Association of Hepatic Steatosis With Major Adverse Cardiovascular Events, Independent of Coronary Artery Disease. Clinical Gastroenterology and Hepatology, 2021, 19, 1480-1488.e14.	2.4	53
11	Validation of Wall Shear Stress Assessment in Non-invasive Coronary CTA versus Invasive Imaging: A Patient-Specific Computational Study. Annals of Biomedical Engineering, 2021, 49, 1151-1168.	1.3	16
12	Coronary Artery Calcium Score–Directed Primary Prevention With Statins on the Basis of the 2018 American College of Cardiology/American Heart Association/Multisociety Cholesterol Guidelines. Journal of the American Heart Association, 2021, 10, e018342.	1.6	10
13	Deep convolutional neural networks to predict cardiovascular risk from computed tomography. Nature Communications, 2021, 12, 715.	5.8	101
14	Association of Metabolic Phenotypes With Coronary Artery Disease and Cardiovascular Events in Patients With Stable Chest Pain. Diabetes Care, 2021, 44, 1038-1045.	4.3	18
15	Deep-learning system to improve the quality and efficiency of volumetric heart segmentation for breast cancer. Npj Digital Medicine, 2021, 4, 43.	5.7	13
16	Risk Stratification With the Use of Coronary Computed Tomographic Angiography in Patients With Nonobstructive Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 2186-2195.	2.3	16
17	Assessment of Coronary Artery Disease With Computed Tomography Angiography and Inflammatory and Immune Activation Biomarkers Among Adults With HIV Eligible for Primary Cardiovascular Prevention. JAMA Network Open, 2021, 4, e2114923.	2.8	38
18	Coronary Artery Disease Reporting and Data System (CAD-RADS) Adoption: Analysis of Local Trends in a Large Academic Medical Center. Radiology: Cardiothoracic Imaging, 2021, 3, e210016.	0.9	6

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19	Radiologists can visually predict mortality risk based on the gestalt of chest radiographs comparable to a deep learning network. Scientific Reports, 2021, 11, 19586.	1.6	4
20	Abstract 9523: Substituting Deep Learning Chest X-Ray Age for Chronological Age in the Pooled Cohort Equations. Circulation, 2021, 144, .	1.6	0
21	Effect of Wall Elasticity on Hemodynamics and Wall Shear Stress in Patient-Specific Simulations in the Coronary Arteries. Journal of Biomechanical Engineering, 2020, 142, .	0.6	41
22	Individual coronary plaque changes on serial CT angiography: Within-patient heterogeneity, natural history, and statin effects in HIV. Journal of Cardiovascular Computed Tomography, 2020, 14, 144-148.	0.7	9
23	Prognostic Value of Coronary CTA inÂStable Chest Pain. JACC: Cardiovascular Imaging, 2020, 13, 1534-1545.	2.3	58
24	Guideline-Based Statin Eligibility, Coronary Artery Stenosis and Cardiovascular Events in Patients with Stable Chest Pain: A Secondary Analysis of the PROMISE Randomized Clinical Trial. Journal of Clinical Medicine, 2020, 9, 3076.	1.0	1
25	Deep Learning Using Chest Radiographs to Identify High-Risk Smokers for Lung Cancer Screening Computed Tomography: Development and Validation of a Prediction Model. Annals of Internal Medicine, 2020, 173, 704-713.	2.0	66
26	Radiomics of Coronary Artery Calcium in the Framingham Heart Study. Radiology: Cardiothoracic Imaging, 2020, 2, e190119.	0.9	22
27	A review of serial coronary computed tomography angiography (CTA) to assess plaque progression and therapeutic effect of anti-atherosclerotic drugs. International Journal of Cardiovascular Imaging, 2020, 36, 2305-2317.	0.7	10
28	Cost-effectiveness Analysis of Anatomic vs Functional Index Testing in Patients With Low-Risk Stable Chest Pain. JAMA Network Open, 2020, 3, e2028312.	2.8	32
29	Abstract 313: Deep Learning to Assess Cardiovascular Age From Chest Radiographs. Circulation, 2020, 142, .	1.6	0
30	Abstract 12667: Racial Disparities in Emergency Care of Patients With Suspected ACS Undergoing Cardiac CT Angiography: Insights From Romicat II and ACRIN-PA. Circulation, 2020, 142, .	1.6	0
31	Abstract 15832: Endothelial Shear Stress Assessment in Coronary Arteries: Comparison Between 3d Reconstructions Based on Invasive and Noninvasive Imaging. Circulation, 2020, 142, .	1.6	0
32	Radiomics versus Visual and Histogram-based Assessment to Identify Atheromatous Lesions at Coronary CT Angiography: An ex Vivo Study. Radiology, 2019, 293, 89-96.	3.6	88
33	Deep Learning to Assess Long-term Mortality From Chest Radiographs. JAMA Network Open, 2019, 2, e197416.	2.8	97
34	Density and morphology of coronary artery calcium for the prediction of cardiovascular events: insights from the Framingham Heart Study. European Radiology, 2019, 29, 6140-6148.	2.3	15
35	Pulmonary Artery Mass in a Patient With Tuberculous Pericarditis. Case, 2019, 3, 2-5.	0.1	2
36	Rationale and design of the Mechanistic Substudy of the Randomized Trial to Prevent Vascular Events in HIV (REPRIEVE): Effects of pitavastatin on coronary artery disease and inflammatory biomarkers. American Heart Journal, 2019, 212, 1-12.	1.2	43

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37	Rationale and design of the Randomized Trial to Prevent Vascular Events in HIV (REPRIEVE). American Heart Journal, 2019, 212, 23-35.	1.2	99
38	Stress Testing Versus CT Angiography in Patients With Diabetes and Suspected Coronary Artery Disease. Journal of the American College of Cardiology, 2019, 73, 893-902.	1.2	51
39	Pretest probability for patients with suspected obstructive coronary artery disease: re-evaluating Diamond–Forrester for the contemporary era and clinical implications: insights from the PROMISE trial. European Heart Journal Cardiovascular Imaging, 2019, 20, 574-581.	0.5	102
40	Brief Report: Statin Effects on Myocardial Fibrosis Markers in People Living With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2018, 78, 105-110.	0.9	14
41	Use of High-Risk Coronary Atherosclerotic Plaque Detection for Risk Stratification of Patients With Stable Chest Pain. JAMA Cardiology, 2018, 3, 144.	3.0	349
42	Computed tomography-based fat and muscle characteristics are associated with mortality after transcatheter aortic valve replacement. Journal of Cardiovascular Computed Tomography, 2018, 12, 223-228.	0.7	39
43	Quantitative coronary plaque analysis predicts high-risk plaque morphology on coronary computed tomography angiography: results from the ROMICAT II trial. International Journal of Cardiovascular Imaging, 2018, 34, 311-319.	0.7	23
44	The effect of emphysema on readmission and survival among smokers with heart failure. PLoS ONE, 2018, 13, e0201376.	1.1	5
45	Case 18-2018: A 45-Year-Old Woman with Hypertension, Fatigue, and Altered Mental Status. New England Journal of Medicine, 2018, 378, 2322-2333.	13.9	4
46	Impact of Coronary Calcification on Clinical Management in Patients With Acute Chest Pain. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	18
47	Revisiting Coronary Artery Calcium and Incident Dementia. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	3
48	Cardiovascular Toxicity of Illicit Anabolic-Androgenic Steroid Use. Circulation, 2017, 135, 1991-2002.	1.6	224
49	Nonobstructive Coronary Artery Disease by Coronary CT Angiography Improves Risk Stratification and Allocation of Statin Therapy. JACC: Cardiovascular Imaging, 2017, 10, 1031-1038.	2.3	32
50	Prognostic Value of Coronary Artery Calcium in the PROMISE Study (Prospective Multicenter Imaging) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	219
51	Impact of Diabetes Mellitus on the Evaluation of Stable Chest Pain Patients: Insights From the PROMISE (Prospective Multicenter Imaging Study for Evaluation of Chest Pain) Trial. Journal of the American Heart Association, 2017, 6, .	1.6	12
52	Identification of coronary artery calcification can optimize risk stratification in patients with acute chest pain. International Journal of Cardiology, 2017, 249, 473-478.	0.8	11
53	Human Papillomavirus Status and the Risk of Cerebrovascular Events Following Radiation Therapy for Head and Neck Cancer. Journal of the American Heart Association, 2017, 6, .	1.6	25
54	Secondary Interpretation of CT Examinations: Frequency and Payment in the Medicare Fee-for-Service Population. Journal of the American College of Radiology, 2016, 13, 1096-1101.	0.9	16

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55	Lung Cancer Screening Eligibility in the Community. Circulation, 2016, 134, 897-899.	1.6	16
56	Statin Effects to Reduce Hepatosteatosis as Measured by Computed Tomography in Patients With Human Immunodeficiency Virus. Open Forum Infectious Diseases, 2016, 3, ofw062.	0.4	10
57	High-Risk Coronary Plaque at Coronary CT Angiography Is Associated with Nonalcoholic Fatty Liver Disease, Independent of Coronary Plaque and Stenosis Burden: Results from the ROMICAT II Trial. Radiology, 2015, 274, 693-701.	3.6	112
58	Right ventricular enlargement in acute pulmonary embolism derived from CT pulmonary angiography. International Journal of Cardiovascular Imaging, 2013, 29, 705-708.	0.7	13
59	The Variability in Prognostic Values of Right Ventricular-to-Left Ventricular Diameter Ratios Derived From Different Measurement Methods on Computed Tomography Pulmonary Angiography. Journal of Thoracic Imaging, 2012, 27, 331-336.	0.8	20
60	Axial and Reformatted Four-Chamber Right Ventricle–to–Left Ventricle Diameter Ratios on Pulmonary CT Angiography as Predictors of Death After Acute Pulmonary Embolism. American Journal of Roentgenology, 2012, 198, 1353-1360.	1.0	69
61	Subjective assessment of right ventricle enlargement from computed tomography pulmonary angiography images. International Journal of Cardiovascular Imaging, 2012, 28, 965-973.	0.7	22
62	Imaging in Acute Pulmonary Embolism With Special Clinical Scenarios. Circulation: Cardiovascular Imaging, 2010, 3, 491-500.	1.3	45
63	Comparison of ECG-gated versus non-gated CT ventricular measurements in thirty patients with acute pulmonary embolism. International Journal of Cardiovascular Imaging, 2009, 25, 101-107.	0.7	57
64	Interval Increase in Right-Left Ventricular Diameter Ratios at CT as a Predictor of 30-day Mortality after Acute Pulmonary Embolism: Initial Experience. Radiology, 2008, 246, 281-287.	3.6	52
65	RadiologyWiki.org: The Free Radiology Resource That Anyone Can Edit. Radiographics, 2007, 27, 1193-1200.	1.4	18
66	Reformatted Four-Chamber and Short-Axis Views of the Heart Using Thin Section (≈2 mm) MDCT Images. Academic Radiology, 2007, 14, 1108-1112.	1.3	24