Ankush D Jamthikar

List of Publications by Year
in descending order

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29	825	430874	501196
papers	citations	18	28
		h-index	g-index

29	29	29	486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ensemble Machine Learning and Its Validation for Prediction of Coronary Artery Disease and Acute Coronary Syndrome Using Focused Carotid Ultrasound. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	8
2	Cardiovascular disease detection using machine learning and carotid/femoral arterial imaging frameworks in rheumatoid arthritis patients. Rheumatology International, 2022, 42, 215-239.	3.0	18
3	A machine learning framework for risk prediction of multi-label cardiovascular events based on focused carotid plaque B-Mode ultrasound: A Canadian study. Computers in Biology and Medicine, 2022, 140, 105102.	7.0	18
4	Cardiovascular Risk Stratification in Diabetic Retinopathy via Atherosclerotic Pathway in COVID-19/Non-COVID-19 Frameworks Using Artificial Intelligence Paradigm: A Narrative Review. Diagnostics, 2022, 12, 1234.	2.6	15
5	Multiclass machine learning vs. conventional calculators for stroke/CVD risk assessment using carotid plaque predictors with coronary angiography scores as gold standard: a 500 participants study. International Journal of Cardiovascular Imaging, 2021, 37, 1171-1187.	1.5	41
6	Cardiovascular disease and stroke risk assessment in patients with chronic kidney disease using integration of estimated glomerular filtration rate, ultrasonic image phenotypes, and artificial intelligence: a narrative review. International Angiology, 2021, 40, 150-164.	0.9	15
7	Bidirectional link between diabetes mellitus and coronavirus disease 2019 leading to cardiovascular disease: A narrative review. World Journal of Diabetes, 2021, 12, 215-237.	3.5	34
8	Role of artificial intelligence in cardiovascular risk prediction and outcomes: comparison of machine-learning and conventional statistical approaches for the analysis of carotid ultrasound features and intra-plaque neovascularization. International Journal of Cardiovascular Imaging, 2021, 37, 3145-3156.	1.5	15
9	Artificial intelligence framework for predictive cardiovascular and stroke risk assessment models: A narrative review of integrated approaches using carotid ultrasound. Computers in Biology and Medicine, 2020, 126, 104043.	7.0	34
10	Cardiovascular/stroke risk prevention: A new machine learning framework integrating carotid ultrasound image-based phenotypes and its harmonics with conventional risk factors. Indian Heart Journal, 2020, 72, 258-264.	0.5	31
11	Low-Cost Office-Based Cardiovascular Risk Stratification Using Machine Learning and Focused Carotid Ultrasound in an Asian-Indian Cohort. Journal of Medical Systems, 2020, 44, 208.	3.6	18
12	Does the Carotid Bulb Offer a Better 10-Year CVD/Stroke Risk Assessment Compared to the Common Carotid Artery? A 1516 Ultrasound Scan Study. Angiology, 2020, 71, 920-933.	1.8	16
13	Ultrasound-based stroke/cardiovascular risk stratification using Framingham Risk Score and ASCVD Risk Score based on â€œIntegrated Vascular Ageâ€•instead of â€œChronological Ageâ€• a multi-ethnic study of Asian Indian, Caucasian, and Japanese cohorts. Cardiovascular Diagnosis and Therapy, 2020, 10, 939-954.	1.7	15
14	Cardiovascular risk assessment in patients with rheumatoid arthritis using carotid ultrasound B-mode imaging. Rheumatology International, 2020, 40, 1921-1939.	3.0	25
15	Cardiovascular/stroke risk predictive calculators: a comparison between statistical and machine learning models. Cardiovascular Diagnosis and Therapy, 2020, 10, 919-938.	1.7	46
16	A special report on changing trends in preventive stroke/cardiovascular risk assessment via B-mode ultrasonography. , 2020, , 291-318.		4
17	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. Angiology, 2020, 71, 520-535.	1.8	20
18	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. International Angiology, 2020, 38, 451-465.	0.9	39

#	Article	IF	Citations
19	Integration of estimated glomerular filtration rate biomarker in image-based cardiovascular disease/stroke risk calculator: a south Asian-Indian diabetes cohort with moderate chronic kidney disease. International Angiology, 2020, 39, 290-306.	0.9	16
20	Low-cost preventive screening using carotid ultrasound in patients with diabetes. Frontiers in Bioscience - Landmark, 2020, 25, 1132-1171.	3.0	29
21	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. Cardiovascular Diagnosis and Therapy, 2019, 9, 420-430.	1.7	54
22	Rheumatoid Arthritis: Atherosclerosis Imaging and Cardiovascular Risk Assessment Using Machine and Deep Learningâ€“Based Tissue Characterization. Current Atherosclerosis Reports, 2019, 21, 7.	4.8	64
23	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. Current Atherosclerosis Reports, 2019, 21, 25.	4.8	33
24	Effect of carotid image-based phenotypes on cardiovascular risk calculator: AECRS1.0. Medical and Biological Engineering and Computing, 2019, 57, 1553-1566.	2.8	33
25	Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach. Computers in Biology and Medicine, 2019, 108, 182-195.	7.0	30
26	Nonlinear model for the carotid artery disease 10â€year risk prediction by fusing conventional cardiovascular factors to carotid ultrasound image phenotypes: A Japanese diabetes cohort study. Echocardiography, 2019, 36, 345-361.	0.9	36
27	Performance evaluation of 10-year ultrasound image-based stroke/cardiovascular (CV) risk calculator by comparing against ten conventional CV risk calculators: A diabetic study. Computers in Biology and Medicine, 2019, 105, 125-143.	7.0	38
28	A Survey on Coronary Atherosclerotic Plaque Tissue Characterization in Intravascular Optical Coherence Tomography. Current Atherosclerosis Reports, 2018, 20, 33.	4.8	54
29	Echolucency-based phenotype in carotid atherosclerosis disease for risk stratification of diabetes patients. Diabetes Research and Clinical Practice, 2018, 143, 322-331.	2.8	26