

Geoffrey H Tison

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

4,133
citations

430754

18
h-index

289141

40
g-index

47
all docs

47
docs citations

47
times ranked

6037
citing authors

#	ARTICLE	IF	CITATIONS
1	Using machine learning to uncover heterogeneity of beta blocker response in heart failure. <i>Cell Reports Medicine</i> , 2022, 3, 100504.	3.3	0
2	Assessment of Disease Status and Treatment Response With Artificial Intelligence-Enhanced Electrocardiography in Obstructive Hypertrophic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1032-1034.	1.2	16
3	Echocardiographic assessment of pulmonary arterial capacitance predicts mortality in pulmonary hypertension. <i>Journal of Cardiology</i> , 2021, 77, 279-284.	0.8	5
4	Leveraging innovative technology to generate drug response phenotypes for the advancement of biomarker-driven precision dosing. <i>Clinical and Translational Science</i> , 2021, 14, 784-790.	1.5	1
5	Machine learning prediction of blood alcohol concentration: a digital signature of smart-breathalyzer behavior. <i>Npj Digital Medicine</i> , 2021, 4, 74.	5.7	10
6	Finding New Meaning in Everyday Electrocardiograms—Leveraging Deep Learning to Expand Our Diagnostic Toolkit. <i>JAMA Cardiology</i> , 2021, 6, 493.	3.0	3
7	Predictors of incident viral symptoms ascertained in the era of COVID-19. <i>PLoS ONE</i> , 2021, 16, e0253120.	1.1	6
8	Predicting incident heart failure in women with machine learning: The Women's Health Initiative Cohort. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1708-1714.	0.8	8
9	B-PO01-088 LOCALIZATION OF OUTFLOW TRACT PREMATURE VENTRICULAR BEATS OR VENTRICULAR TACHYCARDIA IN SURFACE ELECTROCARDIOGRAMS USING A CONVOLUTIONAL NEURAL NETWORK. <i>Heart Rhythm</i> , 2021, 18, S85-S86.	0.3	0
10	B-IN02-07 LOCALIZATION OF OUTFLOW TRACT PREMATURE VENTRICULAR BEATS OR VENTRICULAR TACHYCARDIA IN SURFACE ELECTROCARDIOGRAMS USING A CONVOLUTIONAL NEURAL NETWORK. <i>Heart Rhythm</i> , 2021, 18, S170-S171.	0.3	0
11	Performance of a Convolutional Neural Network and Explainability Technique for 12-Lead Electrocardiogram Interpretation. <i>JAMA Cardiology</i> , 2021, 6, 1285.	3.0	60
12	Predictors of incident SARS-CoV-2 infections in an international prospective cohort study. <i>BMJ Open</i> , 2021, 11, e052025.	0.8	9
13	Artificial Intelligence in Cardiovascular Imaging. <i>Methodist DeBakey Cardiovascular Journal</i> , 2021, 16, 138.	0.5	22
14	Worldwide Effect of COVID-19 on Physical Activity: A Descriptive Study. <i>Annals of Internal Medicine</i> , 2020, 173, 767-770.	2.0	597
15	Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2017-2035.	2.3	123
16	A digital biomarker of diabetes from smartphone-based vascular signals. <i>Nature Medicine</i> , 2020, 26, 1576-1582.	15.2	58
17	Assessment of Accelerometer-Based Physical Activity During the 2017-2018 California Wildfire Seasons. <i>JAMA Network Open</i> , 2020, 3, e2018116.	2.8	7
18	The Rise of Open-Sourced Machine Learning in Small and Imbalanced Datasets: Predicting In-Stent Restenosis. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1574-1576.	0.8	6

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19	Pulmonary arterial capacitance predicts outcomes in patients with pulmonary hypertension independent of race/ethnicity, sex, and etiology. <i>Respiratory Medicine</i> , 2020, 163, 105891.	1.3	1
20	Association of Machine Learningâ€œDerived Phenogroupings of Echocardiographic Variables with Heart Failure in Stable Coronary Artery Disease: The Heart and Soul Study. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 322-331.e1.	1.2	14
21	Atrial fibrillation detection from raw photoplethysmography waveforms: A deep learning application. <i>Heart Rhythm O2</i> , 2020, 1, 3-9.	0.6	35
22	Physical activity and atrial fibrillation: Data from wearable fitness trackers. <i>Heart Rhythm</i> , 2020, 17, 842-846.	0.3	24
23	Comparison of the Physical Activity Measured by a Consumer Wearable Activity Tracker and That Measured by Self-Report: Cross-Sectional Analysis of the Health eHeart Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e22090.	1.8	16
24	Real-world heart rate norms in the Health eHeart study. <i>Npj Digital Medicine</i> , 2019, 2, 58.	5.7	90
25	Will the smartphone become a useful tool to promote physical activity?. <i>The Lancet Digital Health</i> , 2019, 1, e322-e323.	5.9	9
26	Automated and Interpretable Patient ECG Profiles for Disease Detection, Tracking, and Discovery. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019, 12, e005289.	0.9	111
27	Echocardiographic determination of pulmonary arterial capacitance. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 1581-1586.	0.7	5
28	Temporal patterns of self-weighing behavior and weight changes assessed by consumer purchased scales in the Health eHeart Study. <i>Journal of Behavioral Medicine</i> , 2019, 42, 873-882.	1.1	6
29	Cardiologist-level arrhythmia detection and classification in ambulatory electrocardiograms using a deep neural network. <i>Nature Medicine</i> , 2019, 25, 65-69.	15.2	1,633
30	Passive Detection of Atrial Fibrillation Using a Commercially Available Smartwatch. <i>JAMA Cardiology</i> , 2018, 3, 409.	3.0	357
31	Fully Automated Echocardiogram Interpretation in Clinical Practice. <i>Circulation</i> , 2018, 138, 1623-1635.	1.6	563
32	Identifying heart failure using EMR-based algorithms. <i>International Journal of Medical Informatics</i> , 2018, 120, 1-7.	1.6	28
33	UNDERSTANDING SOCIAL MEDIA USAGE RELATED TO CARDIOLOGY: UNDERLYING MOTIVATION AND UNTAPPED OPPORTUNITIES. <i>Journal of the American College of Cardiology</i> , 2017, 69, 2531.	1.2	0
34	Thoracic extra-coronary calcification for the prediction of stroke: The Multi-Ethnic Study of Atherosclerosis. <i>Atherosclerosis</i> , 2017, 267, 61-67.	0.4	20
35	Measurement of brachial artery endothelial function using a standard blood pressure cuff. <i>Physiological Measurement</i> , 2015, 36, 2247-2268.	1.2	1
36	Relation of Anthropometric Obesity and Computed Tomography Measured Nonalcoholic Fatty Liver Disease (from the Multiethnic Study of Atherosclerosis). <i>American Journal of Cardiology</i> , 2015, 116, 541-546.	0.7	22

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37	Perceptions, Information Sources, and Behavior Regarding Alcohol and Heart Health. American Journal of Cardiology, 2015, 116, 642-646.	0.7	51
38	Multisite extracoronary calcification indicates increased risk of coronary heart disease and all-cause mortality: The Multi-Ethnic Study of Atherosclerosis. Journal of Cardiovascular Computed Tomography, 2015, 9, 406-414.	0.7	61
39	Atherosclerosis imaging in multiple vascular bedsâ€”Enough heterogeneity to improve risk prediction?. Atherosclerosis, 2011, 214, 261-263.	0.4	13
40	The relationship of insulin resistance and extracoronary calcification in the multi-ethnic study of atherosclerosis. Atherosclerosis, 2011, 218, 507-510.	0.4	14
41	Usefulness of Baseline Obesity to Predict Development of a High Ankle Brachial Index (from the Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	20
42	Influences of general and traditional Chinese beliefs on the decision to donate blood among employerâ€™organized and volunteer donors in Beijing, China. Transfusion, 2007, 47, 1871-1879.	0.8	66