Kipp W Johnson

List of Publications by Year
in descending order

69	4,270	257450 24	138484 58
papers	citations	h-index	g-index

85	85	85	6870
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial Intelligence in Cardiology. Journal of the American College of Cardiology, 2018, 71, 2668-2679.	2.8	690
2	Prevalence and Impact of Myocardial Injury in Patients Hospitalized With COVID-19 Infection. Journal of the American College of Cardiology, 2020, 76, 533-546.	2.8	592
3	Machine learning in cardiovascular medicine: are we there yet?. Heart, 2018, 104, 1156-1164.	2.9	329
4	Deep learning for cardiovascular medicine: a practical primer. European Heart Journal, 2019, 40, 2058-2073.	2.2	218
5	Machine learning prediction in cardiovascular diseases: a meta-analysis. Scientific Reports, 2020, 10, 16057.	3.3	182
6	Pathology of Peripheral Artery Disease in Patients With Critical Limb Ischemia. Journal of the American College of Cardiology, 2018, 72, 2152-2163.	2.8	181
7	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. Journal of Medical Internet Research, 2020, 22, e24018.	4.3	174
8	Prediction of mortality from 12-lead electrocardiogram voltage data using a deep neural network. Nature Medicine, 2020, 26, 886-891.	30.7	168
9	Deep Neural Networks Can Predict New-Onset Atrial Fibrillation From the 12-Lead ECG and Help Identify Those at Risk of Atrial Fibrillationâ€“Related Stroke. Circulation, 2021, 143, 1287-1298.	1.6	134
10	Proposed Requirements for Cardiovascular Imaging-Related Machine Learning Evaluation (PRIME): A Checklist. JACC: Cardiovascular Imaging, 2020, 13, 2017-2035.	5.3	123
11	Integration of novel monitoring devices with machine learning technology for scalable cardiovascular management. Nature Reviews Cardiology, 2021, 18, 75-91.	13.7	113
12	Federated Learning of Electronic Health Records to Improve Mortality Prediction in Hospitalized Patients With COVID-19: Machine Learning Approach. JMIR Medical Informatics, 2021, 9, e24207.	2.6	108
13	PREDICTIVE MODELING OF HOSPITAL READMISSION RATES USING ELECTRONIC MEDICAL RECORD-WIDE MACHINE LEARNING: A CASE-STUDY USING MOUNT SINAI HEART FAILURE COHORT. , 2017, 22, 276-287.		91
14	Integrating blockchain technology with artificial intelligence for cardiovascular medicine. Nature Reviews Cardiology, 2020, 17, 1-3.	13.7	83
15	Systematic analyses of drugs and disease indications in RepurposeDB reveal pharmacological, biological and epidemiological factors influencing drug repositioning. Briefings in Bioinformatics, 2018, 19, 656-678.	6.5	81
16	Enabling Precision Cardiology Through Multiscale Biology and Systems Medicine. JACC Basic To Translational Science, 2017, 2, 311-327.	4.1	61
17	Utilization of Deep Learning for Subphenotype Identification in Sepsis-Associated Acute Kidney Injury. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 1557-1565.	4.5	59
18	Intracoronary Imaging, Cholesterol Efflux, and Transcriptomes After IntensiveÂStatinÂTreatment. Journal of the American College of Cardiology, 2017, 69, 628-640.	2.8	56

#	Article	IF	Citations
19	Association of Hemoglobin A_{1c} Levels With Use of Sulfonylureas, Dipeptidyl Peptidase 4 Inhibitors, and Thiazolidinediones in Patients With Type 2 Diabetes Treated With Metformin. JAMA Network Open, 2018, 1, e181755.	5.9	54
20	Conditions and Factors Associated With Spontaneous Coronary Artery Dissection (from a National) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	51
21	Retrospective cohort study of clinical characteristics of 2199 hospitalised patients with COVID-19 in New York City. BMJ Open, 2020, 10, e040736.	1.9	50
22	Artificial intelligence in gastroenterology: A state-of-the-art review. World Journal of Gastroenterology, 2021, 27, 6794-6824.	3.3	50
23	The next generation of precision medicine: observational studies, electronic health records, biobanks and continuous monitoring. Human Molecular Genetics, 2018, 27, R56-R62.	2.9	48
24	Medical student preparedness for an era of personalized medicine: findings from one US medical school. Personalized Medicine, 2016, 13, 129-141.	1.5	36
25	Using Deep-Learning Algorithms to Simultaneously Identify Right and Left Ventricular Dysfunction From the Electrocardiogram. JACC: Cardiovascular Imaging, 2022, 15, 395-410.	5.3	35
26	Genome Sequences of the Primary Endosymbiont â€œCandidatus Portiera aleyrodidarumâ€•in the Whitefly Bemisia tabaci B and Q Biotypes. Journal of Bacteriology, 2012, 194, 6678-6679.	2.2	29
27	Automated disease cohort selection using word embeddings from Electronic Health Records. , 2018, , .		29
28	Sepsis in the era of data-driven medicine: personalizing risks, diagnoses, treatments and prognoses. Briefings in Bioinformatics, 2020, 21, 1182-1195.	6.5	29
29	PatientExploreR: an extensible application for dynamic visualization of patient clinical history from electronic health records in the OMOP common data model. Bioinformatics, 2019, 35, 4515-4518.	4.1	28
30	Comparison of the Genome Sequences of â€œCandidatus Portiera aleyrodidarumâ€•Primary Endosymbionts of the Whitefly Bemisia tabaci B and Q Biotypes. Applied and Environmental Microbiology, 2013, 79, 1757-1759.	3.1	25
31	Recurrent spontaneous coronary artery dissection in the United States. International Journal of Cardiology, 2020, 301, 34-37.	1.7	19
32	Phe2vec: Automated disease phenotyping based on unsupervised embeddings from electronic health records. Patterns, 2021, 2, 100337.	5.9	19
33	Big data, artificial intelligence, and cardiovascular precision medicine. Expert Review of Precision Medicine and Drug Development, 2018, 3, 305-317.	0.7	18
34	How artificial intelligence could redefine clinical trials in cardiovascular medicine: lessons learned from oncology. Personalized Medicine, 2019, 16, 87-92.	1.5	18
35	Incidence and aetiology of bacterial meningitis among children aged 1â€“59â€¯months in South Asia: systematic review and meta-analysis. Vaccine, 2018, 36, 5846-5857.	3.8	17
36	Machine Learning Applications in the Neuro ICU: A Solution to Big Data Mayhem?. Frontiers in Neurology, 2020, 11, 554633.	2.4	17

#	Article	IF	Citations
37	Automated disease cohort selection using word embeddings from Electronic Health Records. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 145-156.	0.7	17
38	Molecular Imaging of Apoptosis in Atherosclerosis by Targeting CellÂMembrane Phospholipid Asymmetry. Journal of the American College of Cardiology, 2020, 76, 1862-1874.	2.8	16
39	Clinical features and prognosis of patients with spontaneous coronary artery dissection. International Journal of Cardiology, 2020, 312, 33-36.	1.7	16
40	The whole is greater than the sum of its parts: combining classical statistical and machine intelligence methods in medicine. Heart, 2018, 104, 1228-1228.	2.9	15
41	Artificial Intelligence and Cardiovascular Genetics. Life, 2022, 12, 279.	2.4	13
42	Intracoronary Imaging, Cholesterol Efflux, and Transcriptomics after Intensive Statin Treatment in Diabetes. Scientific Reports, 2017, 7, 7001.	3.3	12
43	Machine Learning in Cardiologyâ€”Ensuring Clinical Impact Lives Up to the Hype. Journal of Cardiovascular Pharmacology and Therapeutics, 2020, 25, 379-390.	2.0	11
44	Pharmacological risk factors associated with hospital readmission rates in a psychiatric cohort identified using prescriptome data mining. BMC Medical Informatics and Decision Making, 2018, 18, 79.	3.0	10
45	A transcriptomic model to predict increase in fibrous cap thickness in response to high-dose statin treatment: Validation by serial intracoronary OCT imaging. EBioMedicine, 2019, 44, 41-49.	6.1	9
46	Integrative analysis of loss-of-function variants in clinical and genomic data reveals novel genes associated with cardiovascular traits. BMC Medical Genomics, 2019, 12, 108.	1.5	8
47	Predictors of In-Hospital Mortality after Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 125, 251-257.	1.6	8
48	Causal inference on electronic health records to assess blood pressure treatment targets: an application of the parametric g formula. , 2018, , .		5
49	Prevalence, Presentation, and Associated Conditions of Patients With Fibromuscular Dysplasia. American Journal of Cardiology, 2019, 123, 1169-1172.	1.6	5
50	Association of SARS-CoV-2 viral load at admission with in-hospital acute kidney injury: A retrospective cohort study. PLoS ONE, 2021, 16, e0247366.	2.5	5
51	A Network-Biology Informed Computational Drug Repositioning Strategy to Target Disease Risk Trajectories and Comorbidities of Peripheral Artery Disease. AMIA Summits on Translational Science Proceedings, 2018, 2017, 108-117.	0.4	4
52	Predictive Modelling of Susceptibility to Substance Abuse, Mortality and Drug-Drug Interactions in Opioid Patients. Frontiers in Artificial Intelligence, 2021, 4, 742723.	3.4	4
53	Molecular Imaging of CardiacÂAllograft Rejection. JACC: Cardiovascular Imaging, 2020, 13, 1438-1441.	5.3	3
54	Evaluation of patient re-identification using laboratory test orders and mitigation via latent space variables. , 2018, , .		3

#	Article	IF	Citations
55	Causal inference on electronic health records to assess blood pressure treatment targets: an application of the parametric g formula. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 180-191.	0.7	3
56	Precision Medicine for Aortic Stenosis. JACC: Cardiovascular Imaging, 2019, 12, 249-251.	5.3	2
57	Racial and Sex Differences in Stroke Risk in Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2019, 74, 3069-3070.	2.8	2
58	Opportunities and challenges for artificial intelligence in clinical cardiovascular genetics. Trends in Genetics, 2021, 37, 780-783.	6.7	1
59	Abstract 3250: Computational drug repositioning and biochemical validation of piperlongumine as a potent therapeutic agent for neuroendocrine prostate cancer. , 2017, , .		1
60	A 72-Year-Old Patient with Longstanding, Untreated Familial Hypercholesterolemia but no Coronary Artery Calcification: A Case Report. Cureus, 2018, 10, e2452.	0.5	1
61	Evaluation of patient re-identification using laboratory test orders and mitigation via latent space variables. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2019, 24, 415-426.	0.7	1
62	Differences in Dynamics and Stability of the Wild Type Beta-Amyloid AÎ²1-40, and Î”E22-AÎ²1-39 (Japanese) Mutant Protofibril Structures, a Molecular Dynamics Study. Biophysical Journal, 2014, 106, 482a.	0.5	0
63	INVESTIGATION OF NOVEL DRUG TARGETS IMPLICATED IN HIGH-DOSE STATIN THERAPY FROM YELLOW-II TRIAL: TOWARDS PERSONALIZED LIPID LOWERING THERAPIES. Journal of the American College of Cardiology, 2017, 69, 977.	2.8	0
64	GENOME-WIDE ASSOCIATION STUDY OF PERIPHERAL ARTERY DISEASE AND CAROTID ARTERY DISEASE IDENTIFIES NOVEL GENETIC LOCI AND COAGULATION PATHWAYS. Journal of the American College of Cardiology, 2020, 75, 2138.	2.8	0
65	Deep learning for biomedical applications. , 2021, , 71-94.		0
66	Abstract P405: A Time-Series Forecast Model to Assess Vital Sign Waveform Variability Prior to Vasospasm. Stroke, 2021, 52, .	2.0	0
67	Abstract 3772: A multi-scale survey to assess the impact of inflammatory diseases of the abdominal cavity and prostate cancer severity. , 2017, , .		0
68	Heterogeneous Graph Embeddings of Electronic Health Records Improve Critical Care Disease Predictions. Lecture Notes in Computer Science, 2020, , 14-25.	1.3	0
69	Coronary plaque vulnerability in statin-treated patients with elevated LDL-C and hs-CRP: optical coherence tomography study. International Journal of Cardiovascular Imaging, 0, , 1.	0.6	0