Shivaram Poigai Arunachalam

List of Publications by Year
in descending order

30	339	1162367 8	1058022 14
papers	citations	h-index	g-index

30	30	30	451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-Invasive Diagnosis of Deep Vein Thrombosis to Expedite Treatment and Prevent Pulmonary Embolism During Gestation. , 2022, , .		0
2	Sustained Improvement in Diastolic Reserve Following Percutaneous Pericardiotomy in a Porcine Model of Heart Failure With Preserved Ejection Fraction. Circulation: Heart Failure, 2021, 14, e007530.	1.6	7
3	Explanatory Analysis of a Machine Learning Model to Identify Hypertrophic Cardiomyopathy Patients from EHR Using Diagnostic Codes. , 2020, 2020, 1932-1937.		5
4	Robust Discrimination of Phonocardiogram Signal with Normal Heart Sounds and Murmur Using a Multiscale Frequency Analysis. , 2019, , .		0
5	Discriminating Normal Phonocardiogram From Artifact Using a Multiscale Entropy Technique. , 2019, , .		4
6	Novel Quantitative Analytical Approaches for Rotor Identification and Associated Implications for Mapping. IEEE Transactions on Biomedical Engineering, 2018, 65, 273-281.	2.5	26
7	Cardiac MR elastography using reducedâ€FOV, singleâ€shot, spinâ€echo EPI. Magnetic Resonance in Medicine, 2018, 80, 231-238.	1.9	8
8	Regional assessment of in vivo myocardial stiffness using 3D magnetic resonance elastography in a porcine model of myocardial infarction. Magnetic Resonance in Medicine, 2018, 79, 361-369.	1.9	21
9	Single Lead ECG Discrimination Between Normal Sinus Rhythm and Sleep Apnea with Intrinsic Mode Function Complexity Index Using Empirical Mode Decomposition. , 2018, , .		1
10	Intrinsic Mode Function Complexity Index Using Empirical Mode Decomposition discriminates Normal Sinus Rhythm and Atrial Fibrillation on a Single Lead ECG. , 2018, 2018, 5990-5993.		0
11	Multiscale Frequency Technique-A Robust Short-Time Series Biomedical Signal Analysis Tool for Wearable and Smart Devices. , 2018, , .		0
12	Improved Multiscale Entropy Technique with Nearest-Neighbor Moving-Average Kernel for Nonlinear and Nonstationary Short-Time Biomedical Signal Analysis. Journal of Healthcare Engineering, 2018, 2018, 1-13.	1.1	8
13	MRI feature tracking strain is prognostic for all-cause mortality in AL amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2018, 25, 101-108.	1.4	16
14	Waveguide effects and implications for cardiac magnetic resonance elastography: A finite element study. NMR in Biomedicine, 2018, 31, e3996.	1.6	8
15	In vivo, highâ€frequency threeâ€dimensional cardiac MR elastography: Feasibility in normal volunteers. Magnetic Resonance in Medicine, 2017, 77, 351-360.	1.9	24
16	Cardiac MR elastography for quantitative assessment of elevated myocardial stiffness in cardiac amyloidosis. Journal of Magnetic Resonance Imaging, 2017, 46, 1361-1367.	1.9	63
17	Identifying factors influencing patient alone time at the emergency department using RFID data: What is next?. , 2017, , .		4
18	Feasibility study of cardiac magnetic resonance elastography in cardiac amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 161-161.	1.4	4

#	Article	IF	Citations
19	Understanding Womenâ€™s Awareness and Access to Preconception Health Care in a Rural Population: A Cross Sectional Study. Journal of Community Health, 2017, 42, 489-499.	1.9	4
20	Air embolism: diagnosis and management. Future Cardiology, 2017, 13, 365-378.	0.5	45
21	Quantitative 3D magnetic resonance elastography: Comparison with dynamic mechanical analysis. Magnetic Resonance in Medicine, 2017, 77, 1184-1192.	1.9	29
22	Robust Discrimination of Normal Sinus Rhythm and Atrial Fibrillation on ECG Using a Multiscale Frequency Technique. , 2017, , .		3
23	Improving workload management for reducing readmissions and follow-up visits in outpatient practice using a novel application â€" Cohort Knowledge Solutions (CKS). , 2017, , .		4
24	Optimizing Emergency Department Workflow Using Radio Frequency Identification Device (RFID) Data Analytics. , 2017, , .		1
25	Kurtosis as a statistical approach to identify the pivot point of the rotor. , 2016, 2016, 497-500.		7
26	Linking Patient Alone Time and Provider Time to Staffing Levels and LOS at the Emergency Department: A RFID Based Study. , 2016, , .		3
27	Intelligent fractional-order PID (FOPID) heart rate controller for cardiac pacemaker. , 2016, , .		17
28	Rotor pivot point identification with intrinsic mode function complexity index using empirical mode decomposition. , 2016, , .		2
29	Novel Multiscale Frequency Approach to Identify the Pivot Point of the Rotor1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	13
30	Feasibility of visualizing higher regions of Shannon entropy in atrial fibrillation patients. , 2015, 2015, 4499-502.		12