

Weihua Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

597
citations

687363

13
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

463
citing authors

#	ARTICLE	IF	CITATIONS
1	A learning-based automatic segmentation and quantification method on left ventricle in gated myocardial perfusion SPECT imaging: A feasibility study. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 976-987.	2.1	72
2	Lung segmentation and automatic detection of COVID-19 using radiomic features from chest CT images. <i>Pattern Recognition</i> , 2021, 119, 108071.	8.1	62
3	Automatic extraction and stenosis evaluation of coronary arteries in invasive coronary angiograms. <i>Computers in Biology and Medicine</i> , 2021, 136, 104667.	7.0	51
4	3D Fusion of LV Venous Anatomy on Fluoroscopy Venograms With Epicardial Surface on SPECT Myocardial Perfusion Images for Guiding CRT LV Lead Placement. <i>JACC: Cardiovascular Imaging</i> , 2014, 7, 1239-1248.	5.3	43
5	NMD-12: A new machine-learning derived screening instrument to detect mild cognitive impairment and dementia. <i>PLoS ONE</i> , 2019, 14, e0213430.	2.5	40
6	Machine Learning for the Preliminary Diagnosis of Dementia. <i>Scientific Programming</i> , 2020, 2020, 1-10.	0.7	34
7	Nuclear Image-Guided Approaches for Cardiac Resynchronization Therapy (CRT). <i>Current Cardiology Reports</i> , 2016, 18, 7.	2.9	33
8	Left ventricular systolic and diastolic dyssynchrony to improve cardiac resynchronization therapy response in heart failure patients with dilated cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1023-1036.	2.1	19
9	A novel method for ECG signal classification via one-dimensional convolutional neural network. <i>Multimedia Systems</i> , 2022, 28, 1387-1399.	4.7	18
10	Analyze Informant-Based Questionnaire for The Early Diagnosis of Senile Dementia Using Deep Learning. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2020, 8, 1-6.	3.7	17
11	Predictive values of left ventricular mechanical dyssynchrony for CRT response in heart failure patients with different pathophysiology. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2637-2648.	2.1	17
12	Assessment of left ventricular contraction patterns using gated SPECT MPI to predict cardiac resynchronization therapy response. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 2029-2038.	2.1	15
13	Summed thickening score by myocardial perfusion imaging: A risk factor of left ventricular remodeling in patients with myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 742-753.	2.1	14
14	Development and validation of an automatic method to detect the latest contracting viable left ventricular segments to assist guide CRT therapy from gated SPECT myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1948-1957.	2.1	14
15	Prognostic value of left-ventricular systolic and diastolic dyssynchrony measured from gated SPECT MPI in patients with dilated cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1582-1591.	2.1	13
16	A new method to recommend left ventricular lead positions for improved CRT volumetric response and long-term prognosis. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 672-684.	2.1	12
17	Right ventricular dyssynchrony in pulmonary hypertension: Phase analysis using FDG-PET imaging. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 69-78.	2.1	9
18	Development and validation of a phase analysis tool to measure interventricular mechanical dyssynchrony from gated SPECT MPI. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1680-1686.	2.1	9

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19	3D fusion between fluoroscopy angiograms and SPECT myocardial perfusion images to guide percutaneous coronary intervention. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1870-1884.	2.1	9
20	I-123 metaiodobenzylguanidine imaging for predicting ventricular arrhythmia in heart failure patients. <i>Journal of Biomedical Research</i> , 2013, 27, 460-6.	1.6	9
21	ST-V-Net: incorporating shape prior into convolutional neural networks for proximal femur segmentation. <i>Complex & Intelligent Systems</i> , 2023, 9, 2747-2758.	6.5	8
22	Semantic Segmentation to Extract Coronary Arteries in Invasive Coronary Angiograms. <i>Journal of Advances in Applied & Computational Mathematics</i> , 0, 9, 76-85.	0.1	8
23	Incremental value of myocardial wall motion and thickening to perfusion alone by gated SPECT myocardial perfusion imaging for viability assessment in patients with ischemic heart failure. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2545-2556.	2.1	7
24	Prognostic value of integrative analysis of electrical and mechanical dyssynchrony in patients with acute heart failure. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 140-149.	2.1	7
25	Incremental value of left ventricular shape parameters measured by gated SPECT MPI in predicting the super-response to CRT. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1537-1546.	2.1	6
26	Three-dimensional Fusion of Myocardial Perfusion SPECT and Invasive Coronary Angiography Guides Coronary Revascularization. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 3267-3277.	2.1	6
27	Left-ventricular mechanical dyssynchrony in the prognosis of dilated cardiomyopathy: Which parameter is more useful?. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1688-1691.	2.1	5
28	Prediction of Both Electrical and Mechanical Reverse Remodeling on Acute Electrocardiogram Changes After Cardiac Resynchronization Therapy. <i>Circulation Journal</i> , 2017, 81, 1322-1328.	1.6	4
29	Left-ventricular dyssynchrony in viable myocardium by myocardial perfusion SPECT is predictive of mechanical response to CRT. <i>Annals of Nuclear Medicine</i> , 2021, 35, 947-954.	2.2	4
30	Analysis on SPECT myocardial perfusion imaging with a tool derived from dynamic programming to deep learning. <i>Optik</i> , 2021, 240, 166842.	2.9	4
31	Prognostic value of left ventricular mechanical dyssynchrony in hypertrophic cardiomyopathy patients with low risk of sudden cardiac death. <i>Nuclear Medicine Communications</i> , 2021, 42, 182-189.	1.1	4
32	Incremental Value of Left Ventricular Mechanical Dyssynchrony Assessment by Nitrogen-13 Ammonia ECG-Gated PET in Patients With Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 719565.	2.4	3
33	Left ventricular mechanical dyssynchrony for CAD diagnosis: Does it have incremental clinical values?. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 251-253.	2.1	2
34	Clinical impacts of scar reduction on gated myocardial perfusion SPECT after cardiac resynchronization therapy. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2571-2579.	2.1	1
35	Scale ratio ICP for 3D registration of coronary venous anatomy with left ventricular epicardial surface to guide CRT lead placement. , 2019, , .		1
36	A Mild Dyssynchronous Contraction Pattern Detected by SPECT Myocardial Perfusion Imaging Predicts Super-Response to Cardiac Resynchronization Therapy. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	2.4	1

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37	Automatic identification of end-diastolic and end-systolic cardiac frames from invasive coronary angiography videos. <i>Technology and Health Care</i> , 2022, , 1-10.	1.2	1
38	Texture analysis of SPECT myocardial perfusion provides prognostic value for dilated cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2023, 30, 504-515.	2.1	0