Yuki Hagiwara

List of Publications by Year
in descending order

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54	7,440	136885	168321
papers	citations	32	53
		h-index	g-index

54	54	54	6533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals. Computers in Biology and Medicine, 2018, 100, 270-278.	3.9	1,111
2	A deep convolutional neural network model to classify heartbeats. Computers in Biology and Medicine, 2017, 89, 389-396.	3.9	928
3	Deep learning for healthcare applications based on physiological signals: A review. Computer Methods and Programs in Biomedicine, 2018, 161, 1-13.	2.6	716
4	Application of deep convolutional neural network for automated detection of myocardial infarction using ECG signals. Information Sciences, 2017, 415-416, 190-198.	4.0	628
5	Automated detection of arrhythmias using different intervals of tachycardia ECG segments with convolutional neural network. Information Sciences, 2017, 405, 81-90.	4.0	522
6	Automated EEG-based screening of depression using deep convolutional neural network. Computer Methods and Programs in Biomedicine, 2018, 161, 103-113.	2.6	404
7	A deep learning approach for Parkinsonâ€™s disease diagnosis from EEG signals. Neural Computing and Applications, 2020, 32, 10927-10933.	3.2	317
8	Application of stacked convolutional and long short-term memory network for accurate identification of CAD ECG signals. Computers in Biology and Medicine, 2018, 94, 19-26.	3.9	280
9	Automated identification of shockable and non-shockable life-threatening ventricular arrhythmias using convolutional neural network. Future Generation Computer Systems, 2018, 79, 952-959.	4.9	209
10	Characterization of focal EEG signals: A review. Future Generation Computer Systems, 2019, 91, 290-299.	4.9	188
11	Automated characterization and classification of coronary artery disease and myocardial infarction by decomposition of ECG signals: A comparative study. Information Sciences, 2017, 377, 17-29.	4.0	186
12	Deep convolutional neural network for the automated diagnosis of congestive heart failure using ECG signals. Applied Intelligence, 2019, 49, 16-27.	3.3	180
13	Computer-aided diagnosis of atrial fibrillation based on ECG Signals: A review. Information Sciences, 2018, 467, 99-114.	4.0	134
14	Automated seizure prediction. Epilepsy and Behavior, 2018, 88, 251-261.	0.9	125
15	Parkinson's disease: Cause factors, measurable indicators, and early diagnosis. Computers in Biology and Medicine, 2018, 102, 234-241.	3.9	124
16	Application of higher-order spectra for the characterization of Coronary artery disease using electrocardiogram signals. Biomedical Signal Processing and Control, 2017, 31, 31-43.	3.5	109
17	Age-related Macular Degeneration detection using deep convolutional neural network. Future Generation Computer Systems, 2018, 87, 127-135.	4.9	109
18	A novel Parkinsonâ€™s Disease Diagnosis Index using higher-order spectra features in EEG signals. Neural Computing and Applications, 2018, 30, 1225-1235.	3.2	107

#	Article	IF	Citations
19	Computer-aided diagnosis of glaucoma using fundus images: A review. Computer Methods and Programs in Biomedicine, 2018, 165, 1-12.	2.6	106
20	Automated characterization of fatty liver disease and cirrhosis using curvelet transform and entropy features extracted from ultrasound images. Computers in Biology and Medicine, 2016, 79, 250-258.	3.9	91
21	Entropies for automated detection of coronary artery disease using ECG signals: A review. Biocybernetics and Biomedical Engineering, 2018, 38, 373-384.	3.3	77
22	Automated diabetic macular edema (DME) grading system using DWT, DCT Features and maculopathy index. Computers in Biology and Medicine, 2017, 84, 59-68.	3.9	64
23	Towards precision medicine: from quantitative imaging to radiomics. Journal of Zhejiang University: Science B, 2018, 19, 6-24.	1.3	60
24	Diagnosis of retinal health in digital fundus images using continuous wavelet transform (CWT) and entropies. Computers in Biology and Medicine, 2017, 84, 89-97.	3.9	59
25	Fusion of spatial gray level dependency and fractal texture features for the characterization of thyroid lesions. Ultrasonics, 2017, 77, 110-120.	2.1	54
26	Automated diagnosis of focal liver lesions using bidirectional empirical mode decomposition features. Computers in Biology and Medicine, 2018, 94, 11-18.	3.9	52
27	Automated screening system for retinal health using bi-dimensional empirical mode decomposition and integrated index. Computers in Biology and Medicine, 2016, 75, 54-62.	3.9	50
28	Novel risk index for the identification of age-related macular degeneration using radon transform and DWT features. Computers in Biology and Medicine, 2016, 73, 131-140.	3.9	49
29	An integrated index for identification of fatty liver disease using radon transform and discrete cosine transform features in ultrasound images. Information Fusion, 2016, 31, 43-53.	11.7	44
30	Automated characterization of cardiovascular diseases using relative wavelet nonlinear features extracted from ECG signals. Computer Methods and Programs in Biomedicine, 2018, 161, 133-143.	2.6	39
31	Automated characterization of diabetic foot using nonlinear features extracted from thermograms. Infrared Physics and Technology, 2018, 89, 325-337.	1.3	37
32	Automated Diagnosis of Depression Electroencephalograph Signals Using Linear Prediction Coding and Higher Order Spectra Features. Journal of Medical Imaging and Health Informatics, 2017, 7, 1857-1862.	0.2	35
33	Characterization of fibromyalgia using sleep EEG signals with nonlinear dynamical features. Computers in Biology and Medicine, 2019, 111, 103331.	3.9	26
34	Data mining framework for breast lesion classification in shear wave ultrasound: A hybrid feature paradigm. Biomedical Signal Processing and Control, 2017, 33, 400-410.	3.5	24
35	Automated detection of diabetic foot with and without neuropathy using double density-dual tree-complex wavelet transform on foot thermograms. Infrared Physics and Technology, 2018, 92, 270-279.	1.3	22
36	Automated diagnosis of celiac disease using DWT and nonlinear features with video capsule endoscopy images. Future Generation Computer Systems, 2019, 90, 86-93.	4.9	22

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37	Automated screening tool for dry and wet age-related macular degeneration (ARMD) using pyramid of histogram of oriented gradients (PHOG) and nonlinear features. Journal of Computational Science, 2017, 20, 41-51.	1.5	21
38	Automated detection and classification of liver fibrosis stages using contourlet transform and nonlinear features. Computer Methods and Programs in Biomedicine, 2018, 166, 91-98.	2.6	19
39	Use of Nonlinear Features for Automated Characterization of Suspicious Ovarian Tumors Using Ultrasound Images in Fuzzy Forest Framework. International Journal of Fuzzy Systems, 2018, 20, 1385-1402.	2.3	14
40	SHOCKABLE VERSUS NONSHOCKABLE LIFE-THREATENING VENTRICULAR ARRHYTHMIAS USING DWT AND NONLINEAR FEATURES OF ECG SIGNALS. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740004.	0.3	12
41	AUTOMATED IDENTIFICATION OF CORONARY ARTERY DISEASE FROM SHORT-TERM 12 LEAD ELECTROCARDIOGRAM SIGNALS BY USING WAVELET PACKET DECOMPOSITION AND COMMON SPATIAL PATTERN TECHNIQUES. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740007.	0.3	11
42	Automated retinal health diagnosis using pyramid histogram of visual words and Fisher vector techniques. Computers in Biology and Medicine, 2018, 92, 204-209.	3.9	11
43	THE BIOPHYSICAL PARAMETER MEASUREMENTS FROM PPG SIGNAL. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740005.	0.3	9
44	ACCURATE DETECTION OF SEIZURE USING NONLINEAR PARAMETERS EXTRACTED FROM EEG SIGNALS. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940004.	0.3	9
45	Automated detection of chronic kidney disease using higher-order features and elongated quinary patterns from B-mode ultrasound images. Neural Computing and Applications, 2020, 32, 11163-11172.	3.2	9
46	An adaptive feature extraction model for classification of thyroid lesions in ultrasound images. Pattern Recognition Letters, 2020, 131, 463-473.	2.6	7
47	Characterization of Cardiovascular Diseases Using Wavelet Packet Decomposition and Nonlinear Measures of Electrocardiogram Signal. Lecture Notes in Computer Science, 2017, , 259-266.	1.0	7
48	Shear wave elastography for characterization of breast lesions: Shearlet transform and local binary pattern histogram techniques. Computers in Biology and Medicine, 2017, 91, 13-20.	3.9	5
49	PERFORMANCE EVALUATION OF DRY EYE DETECTION SYSTEM USING HIGHER-ORDER SPECTRA FEATURES FOR DIFFERENT NOISE LEVELS IN IR THERMAL IMAGES. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740010.	0.3	5
50	EMPIRICAL MODE DECOMPOSITION-BASED PROCESSING FOR AUTOMATED DETECTION OF EPILEPSY. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940003.	0.3	4
51	NONLINEAR ANALYSIS OF CORONARY ARTERY DISEASE, MYOCARDIAL INFARCTION, AND NORMAL ECG SIGNALS. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740006.	0.3	3
52	APPLICATION OF ENTROPIES FOR AUTOMATED DIAGNOSIS OF ABNORMALITIES IN ULTRASOUND IMAGES: A REVIEW. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740012.	0.3	3
53	ALGORITHM FOR THE DETECTION OF CONGESTIVE HEART FAILURE INDEX. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740043.	0.3	3
54	ALCOHOLIC INDEX USING NON-LINEAR FEATURES EXTRACTED FROM DIFFERENT FREQUENCY BANDS. Journal of Mechanics in Medicine and Biology, 2017, 17, 1740009.	0.3	0