

Yuki Hagiwara

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

4,684
citations

29
h-index

54
g-index

54
ext. papers

6,174
ext. citations

4.9
avg, IF

6.16
L-index

#	Paper	IF	Citations
54	Deep convolutional neural network for the automated detection and diagnosis of seizure using EEG signals. <i>Computers in Biology and Medicine</i> , 2018 , 100, 270-278	7	711
53	A deep convolutional neural network model to classify heartbeats. <i>Computers in Biology and Medicine</i> , 2017 , 89, 389-396	7	541
52	Deep learning for healthcare applications based on physiological signals: A review. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 161, 1-13	6.9	442
51	Application of deep convolutional neural network for automated detection of myocardial infarction using ECG signals. <i>Information Sciences</i> , 2017 , 415-416, 190-198	7.7	402
50	Automated detection of arrhythmias using different intervals of tachycardia ECG segments with convolutional neural network. <i>Information Sciences</i> , 2017 , 405, 81-90	7.7	353
49	Automated EEG-based screening of depression using deep convolutional neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 161, 103-113	6.9	235
48	Application of stacked convolutional and long short-term memory network for accurate identification of CAD ECG signals. <i>Computers in Biology and Medicine</i> , 2018 , 94, 19-26	7	189
47	A deep learning approach for Parkinson's disease diagnosis from EEG signals. <i>Neural Computing and Applications</i> , 2020 , 32, 10927-10933	4.8	156
46	Automated identification of shockable and non-shockable life-threatening ventricular arrhythmias using convolutional neural network. <i>Future Generation Computer Systems</i> , 2018 , 79, 952-959	7.5	139
45	Automated characterization and classification of coronary artery disease and myocardial infarction by decomposition of ECG signals: A comparative study. <i>Information Sciences</i> , 2017 , 377, 17-29	7.7	138
44	Characterization of focal EEG signals: A review. <i>Future Generation Computer Systems</i> , 2019 , 91, 290-299	7.5	132
43	Deep convolutional neural network for the automated diagnosis of congestive heart failure using ECG signals. <i>Applied Intelligence</i> , 2019 , 49, 16-27	4.9	115
42	Application of higher-order spectra for the characterization of Coronary artery disease using electrocardiogram signals. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 31-43	4.9	82
41	Automated seizure prediction. <i>Epilepsy and Behavior</i> , 2018 , 88, 251-261	3.2	77
40	Computer-aided diagnosis of atrial fibrillation based on ECG Signals: A review. <i>Information Sciences</i> , 2018 , 467, 99-114	7.7	75
39	Parkinson's disease: Cause factors, measurable indicators, and early diagnosis. <i>Computers in Biology and Medicine</i> , 2018 , 102, 234-241	7	71
38	Automated characterization of fatty liver disease and cirrhosis using curvelet transform and entropy features extracted from ultrasound images. <i>Computers in Biology and Medicine</i> , 2016 , 79, 250-258	7	69

37	Age-related Macular Degeneration detection using deep convolutional neural network. <i>Future Generation Computer Systems</i> , 2018 , 87, 127-135	7.5	64
36	Computer-aided diagnosis of glaucoma using fundus images: A review. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 165, 1-12	6.9	58
35	A novel Parkinson's Disease Diagnosis Index using higher-order spectra features in EEG signals. <i>Neural Computing and Applications</i> , 2018 , 30, 1225-1235	4.8	53
34	Entropies for automated detection of coronary artery disease using ECG signals: A review. <i>Biocybernetics and Biomedical Engineering</i> , 2018 , 38, 373-384	5.7	48
33	Automated diabetic macular edema (DME) grading system using DWT, DCT Features and maculopathy index. <i>Computers in Biology and Medicine</i> , 2017 , 84, 59-68	7	45
32	Automated screening system for retinal health using bi-dimensional empirical mode decomposition and integrated index. <i>Computers in Biology and Medicine</i> , 2016 , 75, 54-62	7	44
31	Towards precision medicine: from quantitative imaging to radiomics. <i>Journal of Zhejiang University: Science B</i> , 2018 , 19, 6-24	4.5	40
30	Novel risk index for the identification of age-related macular degeneration using radon transform and DWT features. <i>Computers in Biology and Medicine</i> , 2016 , 73, 131-40	7	39
29	Fusion of spatial gray level dependency and fractal texture features for the characterization of thyroid lesions. <i>Ultrasonics</i> , 2017 , 77, 110-120	3.5	36
28	Diagnosis of retinal health in digital fundus images using continuous wavelet transform (CWT) and entropies. <i>Computers in Biology and Medicine</i> , 2017 , 84, 89-97	7	36
27	An integrated index for identification of fatty liver disease using radon transform and discrete cosine transform features in ultrasound images. <i>Information Fusion</i> , 2016 , 31, 43-53	16.7	35
26	Automated diagnosis of focal liver lesions using bidirectional empirical mode decomposition features. <i>Computers in Biology and Medicine</i> , 2018 , 94, 11-18	7	32
25	Automated characterization of diabetic foot using nonlinear features extracted from thermograms. <i>Infrared Physics and Technology</i> , 2018 , 89, 325-337	2.7	27
24	Automated characterization of cardiovascular diseases using relative wavelet nonlinear features extracted from ECG signals. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 161, 133-143	6.9	21
23	Automated screening tool for dry and wet age-related macular degeneration (ARMD) using pyramid of histogram of oriented gradients (PHOG) and nonlinear features. <i>Journal of Computational Science</i> , 2017 , 20, 41-51	3.4	18
22	Automated Diagnosis of Depression Electroencephalograph Signals Using Linear Prediction Coding and Higher Order Spectra Features. <i>Journal of Medical Imaging and Health Informatics</i> , 2017 , 7, 1857-1862	1.2	18
21	Data mining framework for breast lesion classification in shear wave ultrasound: A hybrid feature paradigm. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 400-410	4.9	17
20	Automated diagnosis of celiac disease using DWT and nonlinear features with video capsule endoscopy images. <i>Future Generation Computer Systems</i> , 2019 , 90, 86-93	7.5	15

19	Automated detection of diabetic foot with and without neuropathy using double density-dual tree-complex wavelet transform on foot thermograms. <i>Infrared Physics and Technology</i> , 2018 , 92, 270-279	2.7	13
18	Characterization of fibromyalgia using sleep EEG signals with nonlinear dynamical features. <i>Computers in Biology and Medicine</i> , 2019 , 111, 103331	7	12
17	Automated detection and classification of liver fibrosis stages using contourlet transform and nonlinear features. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 166, 91-98	6.9	11
16	Automated retinal health diagnosis using pyramid histogram of visual words and Fisher vector techniques. <i>Computers in Biology and Medicine</i> , 2018 , 92, 204-209	7	10
15	Use of Nonlinear Features for Automated Characterization of Suspicious Ovarian Tumors Using Ultrasound Images in Fuzzy Forest Framework. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 1385-1402	2.6	9
14	SHOCKABLE VERSUS NONSHOCKABLE LIFE-THREATENING VENTRICULAR ARRHYTHMIAS USING DWT AND NONLINEAR FEATURES OF ECG SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740004	0.7	8
13	AUTOMATED IDENTIFICATION OF CORONARY ARTERY DISEASE FROM SHORT-TERM 12 LEAD ELECTROCARDIOGRAM SIGNALS BY USING WAVELET PACKET DECOMPOSITION AND COMMON SPATIAL PATTERN TECHNIQUES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740007	0.7	8
12	Shear wave elastography for characterization of breast lesions: Shearlet transform and local binary pattern histogram techniques. <i>Computers in Biology and Medicine</i> , 2017 , 91, 13-20	7	5
11	THE BIOPHYSICAL PARAMETER MEASUREMENTS FROM PPG SIGNAL. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740005	0.7	5
10	ACCURATE DETECTION OF SEIZURE USING NONLINEAR PARAMETERS EXTRACTED FROM EEG SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2019 , 19, 1940004	0.7	5
9	Characterization of Cardiovascular Diseases Using Wavelet Packet Decomposition and Nonlinear Measures of Electrocardiogram Signal. <i>Lecture Notes in Computer Science</i> , 2017 , 259-266	0.9	5
8	Automated detection of chronic kidney disease using higher-order features and elongated quinary patterns from B-mode ultrasound images. <i>Neural Computing and Applications</i> , 2020 , 32, 11163-11172	4.8	5
7	NONLINEAR ANALYSIS OF CORONARY ARTERY DISEASE, MYOCARDIAL INFARCTION, AND NORMAL ECG SIGNALS. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740006	0.7	3
6	APPLICATION OF ENTROPIES FOR AUTOMATED DIAGNOSIS OF ABNORMALITIES IN ULTRASOUND IMAGES: A REVIEW. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740012	0.7	3
5	EMPIRICAL MODE DECOMPOSITION-BASED PROCESSING FOR AUTOMATED DETECTION OF EPILEPSY. <i>Journal of Mechanics in Medicine and Biology</i> , 2019 , 19, 1940003	0.7	3
4	ALGORITHM FOR THE DETECTION OF CONGESTIVE HEART FAILURE INDEX. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740043	0.7	3
3	An adaptive feature extraction model for classification of thyroid lesions in ultrasound images. <i>Pattern Recognition Letters</i> , 2020 , 131, 463-473	4.7	2
2	PERFORMANCE EVALUATION OF DRY EYE DETECTION SYSTEM USING HIGHER-ORDER SPECTRA FEATURES FOR DIFFERENT NOISE LEVELS IN IR THERMAL IMAGES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017 , 17, 1740010	0.7	1

- 1 ALCOHOLIC INDEX USING NON-LINEAR FEATURES EXTRACTED FROM DIFFERENT FREQUENCY BANDS. *Journal of Mechanics in Medicine and Biology*, **2017**, 17, 1740009 0.7