Sengul Dogan

List of Publications by Year
in descending order

		172457	254184
97 papers	2,591 citations	29 h-index	43 g-index
97 all docs	97 docs citations	97 times ranked	1409 citing authors

#	Article	IF	Citations
1	Automated arrhythmia detection using novel hexadecimal local pattern and multilevel wavelet transform with ECG signals. Knowledge-Based Systems, 2019, 186, 104923.	7.1	164
2	An automated Residual Exemplar Local Binary Pattern and iterative ReliefF based COVID-19 detection method using chest X-ray image. Chemometrics and Intelligent Laboratory Systems, 2020, 203, 104054.	3.5	136
3	Surface EMG signal classification using ternary pattern and discrete wavelet transform based feature extraction for hand movement recognition. Biomedical Signal Processing and Control, 2020, 58, 101872.	5.7	104
4	EEG-based emotion recognition using tunable Q wavelet transform and rotation forest ensemble classifier. Biomedical Signal Processing and Control, 2021, 68, 102648.	5.7	82
5	Automated detection of Parkinson's disease using minimum average maximum tree and singular value decomposition method with vowels. Biocybernetics and Biomedical Engineering, 2020, 40, 211-220.	5.9	76
6	Novel Multi Center and Threshold Ternary Pattern Based Method for Disease Detection Method Using Voice. IEEE Access, 2020, 8, 84532-84540.	4.2	74
7	Automated ASD detection using hybrid deep lightweight features extracted from EEG signals. Computers in Biology and Medicine, 2021, 134, 104548.	7.0	71
8	A new fractal pattern feature generation function based emotion recognition method using EEG. Chaos, Solitons and Fractals, 2021, 144, 110671.	5.1	70
9	Automated accurate speech emotion recognition system using twine shuffle pattern and iterative neighborhood component analysis techniques. Knowledge-Based Systems, 2021, 211, 106547.	7.1	69
10	EEG-based driving fatigue detection using multilevel feature extraction and iterative hybrid feature selection. Biomedical Signal Processing and Control, 2021, 68, 102591.	5.7	60
11	PrimePatNet87: Prime pattern and tunable q-factor wavelet transform techniques for automated accurate EEG emotion recognition. Computers in Biology and Medicine, 2021, 138, 104867.	7.0	59
12	A novel Covid-19 and pneumonia classification method based on F-transform. Chemometrics and Intelligent Laboratory Systems, 2021, 210, 104256.	3.5	53
13	Decision support system for major depression detection using spectrogram and convolution neural network with <scp>EEG</scp> signals. Expert Systems, 2022, 39, e12773.	4.5	49
14	GaborPDNet: Gabor Transformation and Deep Neural Network for Parkinson's Disease Detection Using EEG Signals. Electronics (Switzerland), 2021, 10, 1740.	3.1	47
15	A novel octopus based Parkinson's disease and gender recognition method using vowels. Applied Acoustics, 2019, 155, 75-83.	3.3	46
16	A new data hiding method based on chaos embedded genetic algorithm for color image. Artificial Intelligence Review, 2016, 46, 129-143.	15.7	45
17	A Tunable-Q wavelet transform and quadruple symmetric pattern based EEG signal classification method. Medical Hypotheses, 2020, 134, 109519.	1.5	44
18	Ensemble residual network-based gender and activity recognition method with signals. Journal of Supercomputing, 2020, 76, 2119-2138.	3.6	42

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19	Automated arrhythmia detection with homeomorphically irreducible tree technique using more than 10,000 individual subject ECG records. Information Sciences, 2021, 575, 323-337.	6.9	41
20	Tetromino pattern based accurate EEG emotion classification model. Artificial Intelligence in Medicine, 2022, 123, 102210.	6.5	41
21	Automated accurate fire detection system using ensemble pretrained residual network. Expert Systems With Applications, 2022, 203, 117407.	7.6	40
22	An Automated Daily Sports Activities and Gender Recognition Method Based on Novel Multikernel Local Diamond Pattern Using Sensor Signals. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9441-9448.	4.7	38
23	Automated accurate schizophrenia detection system using Collatz pattern technique with EEG signals. Biomedical Signal Processing and Control, 2021, 70, 102936.	5.7	37
24	A novel local senary pattern based epilepsy diagnosis system using EEG signals. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 939-948.	1.3	36
25	LEDPatNet19: Automated Emotion Recognition Model based on Nonlinear LED Pattern Feature Extraction Function using EEG Signals. Cognitive Neurodynamics, 2022, 16, 779-790.	4.0	36
26	A dynamic center and multi threshold point based stable feature extraction network for driver fatigue detection utilizing EEG signals. Cognitive Neurodynamics, 2021, 15, 223-237.	4.0	34
27	A robust color image watermarking with Singular Value Decomposition method. Advances in Engineering Software, 2011, 42, 336-346.	3.8	33
28	Exemplar Darknet19 feature generation technique for automated kidney stone detection with coronal CT images. Artificial Intelligence in Medicine, 2022, 127, 102274.	6.5	32
29	A novel ensemble local graph structure based feature extraction network for EEG signal analysis. Biomedical Signal Processing and Control, 2020, 61, 102006.	5.7	31
30	Multileveled ternary pattern and iterative ReliefF based bird sound classification. Applied Acoustics, 2021, 176, 107866.	3.3	31
31	Application of Petersen graph pattern technique for automated detection of heart valve diseases with PCG signals. Information Sciences, 2021, 565, 91-104.	6.9	31
32	Automated classification of remote sensing images using multileveled MobileNetV2 and DWT techniques. Expert Systems With Applications, 2021, 185, 115659.	7.6	31
33	Automated major depressive disorder detection using melamine pattern with EEG signals. Applied Intelligence, 2021, 51, 6449-6466.	5.3	29
34	Automatic COVID-19 Detection Using Exemplar Hybrid Deep Features with X-ray Images. International Journal of Environmental Research and Public Health, 2021, 18, 8052.	2.6	28
35	A novel automated tower graph based ECG signal classification method with hexadecimal local adaptive binary pattern and deep learning. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 711-725.	4.9	27
36	Artificial Intelligence-Based Breast Cancer Diagnosis Using Ultrasound Images and Grid-Based Deep Feature Generator. International Journal of General Medicine, 2022, Volume 15, 2271-2282.	1.8	27

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37	Novel nested patch-based feature extraction model for automated Parkinson's Disease symptom classification using MRI images. Computer Methods and Programs in Biomedicine, 2022, 224, 107030.	4.7	24
38	Novel dynamic center based binary and ternary pattern network using M4 pooling for real world voice recognition. Applied Acoustics, 2019, 156, 176-185.	3.3	23
39	Novel automated PD detection system using aspirin pattern with EEG signals. Computers in Biology and Medicine, 2021, 137, 104841.	7.0	23
40	Multilevel Deep Feature Generation Framework for Automated Detection of Retinal Abnormalities Using OCT Images. Entropy, 2021, 23, 1651.	2.2	22
41	An Accurate Multiple Sclerosis Detection Model Based on Exemplar Multiple Parameters Local Phase Quantization: ExMPLPQ. Applied Sciences (Switzerland), 2022, 12, 4920.	2.5	22
42	Epilepsy attacks recognition based on 1D octal pattern, wavelet transform and EEG signals. Multimedia Tools and Applications, 2021, 80, 25197-25218.	3.9	21
43	A novel Discrete Wavelet-Concatenated Mesh Tree and ternary chess pattern based ECG signal recognition method. Biomedical Signal Processing and Control, 2022, 72, 103331.	5.7	21
44	Feed-forward LPQNet based Automatic Alzheimer's Disease Detection Model. Computers in Biology and Medicine, 2021, 137, 104828.	7.0	20
45	An exemplar pyramid feature extraction based humerus fracture classification method. Medical Hypotheses, 2020, 140, 109663.	1.5	18
46	An automated snoring sound classification method based on local dual octal pattern and iterative hybrid feature selector. Biomedical Signal Processing and Control, 2021, 63, 102173.	5.7	18
47	Automated COVID-19 and Heart Failure Detection Using DNA Pattern Technique with Cough Sounds. Diagnostics, 2021, 11, 1962.	2.6	18
48	Multi-classification deep CNN model for diagnosing COVID-19 using iterative neighborhood component analysis and iterative ReliefF feature selection techniques with X-ray images. Chemometrics and Intelligent Laboratory Systems, 2022, 224, 104539.	3.5	18
49	CGP17Pat: Automated Schizophrenia Detection Based on a Cyclic Group of Prime Order Patterns Using EEG Signals. Healthcare (Switzerland), 2022, 10, 643.	2.0	17
50	Automatic voice based disease detection method using one dimensional local binary pattern feature extraction network. Applied Acoustics, 2019, 155, 500-506.	3.3	16
51	A Hand-Modeled Feature Extraction-Based Learning Network to Detect Grasps Using sEMG Signal. Sensors, 2022, 22, 2007.	3.8	16
52	A novel facial image recognition method based on perceptual hash using quintet triple binary pattern. Multimedia Tools and Applications, 2020, 79, 29573-29593.	3.9	15
53	A novel ternary and signum kernelled linear hexadecimal pattern and hybrid feature selection based environmental sound classification method. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108151.	5.0	15
54	Automated brain disease classification using exemplar deep features. Biomedical Signal Processing and Control, 2022, 73, 103448.	5.7	15

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55	Analysis of mobile phones in digital forensics. , 2017, , .		14
56	Face Recognition with Triangular Fuzzy Set-Based Local Cross Patterns in Wavelet Domain. Symmetry, 2019, 11, 787.	2.2	14
57	Automated ambient recognition method based on dynamic center mirror local binary pattern: DCMLBP. Applied Acoustics, 2020, 161, 107165.	3.3	14
58	Novel three kernelled binary pattern feature extractor based automated PCG sound classification method. Applied Acoustics, 2021, 179, 108040.	3.3	14
59	Hybrid Deep Feature Generation for Appropriate Face Mask Use Detection. International Journal of Environmental Research and Public Health, 2022, 19, 1939.	2.6	14
60	A novel and accurate chess pattern for automated texture classification. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122584.	2.6	13
61	Pyramid and multi kernel based local binary pattern for texture recognition. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1241-1252.	4.9	13
62	Novel finger movement classification method based on multi-centered binary pattern using surface electromyogram signals. Biomedical Signal Processing and Control, 2022, 71, 103153.	5.7	13
63	PrismatoidPatNet54: An Accurate ECG Signal Classification Model Using Prismatoid Pattern-Based Learning Architecture. Symmetry, 2021, 13, 1914.	2.2	12
64	Meniscal Tear and ACL Injury Detection Model Based on AlexNet and Iterative ReliefF. Journal of Digital Imaging, 2022, 35, 200-212.	2.9	12
65	EPSPatNet86: eight-pointed star pattern learning network for detection ADHD disorder using EEG signals. Physiological Measurement, 2022, 43, 035002.	2.1	12
66	Improved Reference Image Encryption Methods Based on 2 K Correction in the Integer Wavelet Domain. International Journal of Applied Mathematics and Computer Science, 2019, 29, 817-829.	1.5	11
67	An accurate valvular heart disorders detection model based on a new dual symmetric tree pattern using stethoscope sounds. Computers in Biology and Medicine, 2022, 146, 105599.	7.0	11
68	A new lateral geniculate nucleus pattern-based environmental sound classification using a new large sound dataset. Applied Acoustics, 2022, 196, 108897.	3.3	11
69	A New Watermarking System Based on Discrete Cosine Transform (DCT) in Color Biometric Images. Journal of Medical Systems, 2012, 36, 2379-2385.	3.6	10
70	A novel neural network based image descriptor for texture classification. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120955.	2.6	10
71	Automated EEG signal classification using chaotic local binary pattern. Expert Systems With Applications, 2021, 182, 115175.	7.6	10
72	Automated knee ligament injuries classification method based on exemplar pyramid local binary pattern feature extraction and hybrid iterative feature selection. Biomedical Signal Processing and Control, 2022, 71, 103191.	5.7	10

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73	Shoelace pattern-based speech emotion recognition of the lecturers in distance education: ShoePat23. Applied Acoustics, 2022, 190, 108637.	3.3	10
74	A reversible data hiding scheme based on graph neighbourhood degree. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 741-753.	2.8	9
75	A novel spiral pattern and 2D M4 pooling based environmental sound classification method. Applied Acoustics, 2020, 170, 107508.	3.3	9
76	A novel biometric recognition method based on multi kernelled bijection octal pattern using gait sound. Applied Acoustics, 2021, 173, 107701.	3.3	9
77	Automated malware identification method using image descriptors and singular value decomposition. Multimedia Tools and Applications, 2021, 80, 10881-10900.	3.9	9
78	A novel statistical decimal pattern-based surface electromyogram signal classification method using tunable q-factor wavelet transform. Soft Computing, 2021, 25, 1085-1098.	3.6	8
79	DesPatNet25: Data encryption standard cipher model for accurate automated construction site monitoring with sound signals. Expert Systems With Applications, 2022, 193, 116447.	7.6	8
80	PFP-LHCINCA: Pyramidal Fixed-Size Patch-Based Feature Extraction and Chi-Square Iterative Neighborhood Component Analysis for Automated Fetal Sex Classification on Ultrasound Images. Contrast Media and Molecular Imaging, 2022, 2022, 1-10.	0.8	8
81	Forensic analysis of BiP Messenger on android smartphones. Australian Journal of Forensic Sciences, 2020, 52, 590-609.	1.2	7
82	Automated malware recognition method based on local neighborhood binary pattern. Multimedia Tools and Applications, 2020, 79, 27815-27832.	3.9	7
83	Application of substitution box of present cipher for automated detection of snoring sounds. Artificial Intelligence in Medicine, 2021, 117, 102085.	6.5	7
84	A deep feature warehouse and iterative MRMR based handwritten signature verification method. Multimedia Tools and Applications, 2022, 81, 3899-3913.	3.9	7
85	Development of accurate automated language identification model using polymer pattern and tent maximum absolute pooling techniques. Neural Computing and Applications, 2022, 34, 4875.	5.6	7
86	An automated Covid-19 respiratory sound classification method based on novel local symmetric Euclidean distance pattern and ReliefF iterative MRMR feature selector. International Advanced Researches and Engineering Journal, 2021, 5, 334-343.	0.8	7
87	A multi-objective route planning model based on genetic algorithm for cuboid surfaces. Automatika, 2018, 59, 120-130.	2.0	5
88	A new fractal H-tree pattern based gun model identification method using gunshot audios. Applied Acoustics, 2021, 177, 107916.	3.3	4
89	Improving Facial Image Recognition based Neutrosophy and DWT Using Fully Center Symmetric Dual Cross Pattern. International Journal of Image Graphics and Signal Processing, 2019, 11, 35-44.	1.2	4
90	An automated multispecies bioacoustics sound classification method based on a nonlinear pattern: Twine-pat. Ecological Informatics, 2022, 68, 101529.	5.2	4

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91	A Novel Local Feature Generation Technique Based Sound Classification Method for Covid-19 Detection using Lung Breathing Sound. European Journal of Technic, 2021, 11, 165-174.	0.3	4
92	The importance of standardization in biometric data for digital forensics. , 2017, , .		2
93	New human identification method using Tietze graph-based feature generation. Soft Computing, 2021, 25, 13437-13449.	3.6	2
94	Extraction association rules from the biochemistry parameters for diagnosing hyperthyroidi. , 2008, , .		0
95	Optimal length determination for mine destruction using 3D traveling salesman problem on a sphere. , 2015, , .		0
96	Investigation of cloud computing systems in terms of Turkey and international legislation. , 2018, , .		0
97	A Different Approach To The Chromosome Classification of Three Lallemantia Fisch. & C.A. Mey. Species By Using Local Binary Pattern (LBP). Journal of the Institute of Science and Technology, 0, , 58-68.	0.9	0