

S Thomas George

List of Publications by Year in descending order

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687220

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24
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43
all docs

43
docs citations

43
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning Techniques for EEG Signal Applications – A Review. IETE Journal of Research, 2022, 68, 3030-3037.	1.8	43
2	Detection of ADHD From EEG Signals Using Different Entropy Measures and ANN. Clinical EEG and Neuroscience, 2022, 53, 12-23.	0.9	23
3	Automatic identification of schizophrenia using EEG signals based on discrete wavelet transform and RLNDiP technique with ANN. Expert Systems With Applications, 2022, 192, 116230.	4.4	15
4	Development of an intelligent model for musical key estimation using machine learning techniques. Multimedia Tools and Applications, 2022, 81, 19945-19964.	2.6	6
5	Home Based Monitoring for Smart Health-Care Systems: A Survey. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	6
6	Performance Evaluation of Discrete Wavelet Transform, and Wavelet Packet Decomposition for Automated Focal and Generalized Epileptic Seizure Detection. IETE Journal of Research, 2021, 67, 778-798.	1.8	9
7	Modelling the daily reference evapotranspiration in semi-arid region of South India: A case study comparing ANFIS and empirical models. Information Processing in Agriculture, 2021, 8, 173-184.	2.9	29
8	A new approach for automatic detection of focal EEG signals using wavelet packet decomposition and quad binary pattern method. Biomedical Signal Processing and Control, 2021, 63, 102096.	3.5	29
9	Modeling an effectual multi-section You Only Look Once for enhancing lung cancer prediction. International Journal of Imaging Systems and Technology, 2021, 31, 2144-2157.	2.7	5
10	Lung cancer detection and classification with DGMM-RBCNN technique. Neural Computing and Applications, 2021, 33, 15601-15617.	3.2	16
11	Automated Epileptic Seizure Detection in Pediatric Subjects of CHB-MIT EEG Database – A Survey. Journal of Personalized Medicine, 2021, 11, 1028.	1.1	39
12	Visual P300 Mind-Speller Brain-Computer Interfaces: A Walk Through the Recent Developments With Special Focus on Classification Algorithms. Clinical EEG and Neuroscience, 2020, 51, 19-33.	0.9	26
13	DWT-based electromyogram signal classification using maximum likelihood-estimated features for neurodiagnostic applications. Signal, Image and Video Processing, 2020, 14, 601-608.	1.7	12
14	Detection of focal epilepsy in brain maps through a novel pattern recognition technique. Neural Computing and Applications, 2020, 32, 10143-10157.	3.2	5
15	EEG signal classification using LSTM and improved neural network algorithms. Soft Computing, 2020, 24, 9981-10003.	2.1	89
16	Detection of Parkinson's Disease from gait using Neighborhood Representation Local Binary Patterns. Biomedical Signal Processing and Control, 2020, 62, 102070.	3.5	20
17	Detection of Focal and Non-Focal Electroencephalogram Signals Using Fast Walsh-Hadamard Transform and Artificial Neural Network. Sensors, 2020, 20, 4952.	2.1	42
18	Artifact cleaning of motor imagery EEG by statistical features extraction using wavelet families. International Journal of Circuit Theory and Applications, 2020, 48, 2219-2241.	1.3	4

#	ARTICLE	IF	CITATIONS
19	A Novel Islanding Detection Technique for a Resilient Photovoltaic-Based Distributed Power Generation System Using a Tunable-Q Wavelet Transform and an Artificial Neural Network. <i>Energies</i> , 2020, 13, 4238.	1.6	33
20	Robust Classification of Intramuscular EMG Signals to Aid the Diagnosis of Neuromuscular Disorders. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , 2020, 1, 235-242.	1.7	11
21	Morphological feature extraction and KNGâ€CNN classification of CT images for early lung cancer detection. <i>International Journal of Imaging Systems and Technology</i> , 2020, 30, 1324-1336.	2.7	14
22	Classification of epileptic EEG signals using PSO based artificial neural network and tunable-Q wavelet transform. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 709-728.	3.3	58
23	Performance Comparison of Machine Learning Algorithms in P300 Detection Using Balanced Mind-Speller Dataset. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, , 634-642.	0.5	0
24	Application of Multi-domain Fusion Methods for Detecting Epilepsy from Electroencephalogram Using Classification Methods. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 743-754.	0.5	1
25	Computer-Aided Diagnosis of Epilepsy Based on the Time-Frequency Texture Descriptors of EEG Signals Using Wavelet Packet Decomposition and Artificial Neural Network. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 677-688.	0.5	5
26	Classification of Non-focal and Focal EEG signals using Local Binary Pattern. , 2019, , .		0
27	Classification of normal, focal, and generalized EEG signals using EMD and ANN. , 2019, , .		0
28	Hybrid Approach for Classification of Electroencephalographic Signals Using Timeâ€Frequency Images With Wavelets and Texture Features. , 2019, , 253-273.		15
29	Detection of Attention Deficit Hyperactivity Disorder from EEG Signal using Discrete Wavelet Transform. , 2019, , .		3
30	Certain Analysis on Attention-Deficit Hyperactivity Disorder Among Elementary Level School Children in Indian Scenario. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 569-576.	0.5	0
31	Automated Intelligent Wireless Drip Irrigation Using ANN Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 555-568.	0.5	2
32	Classification of EEG signals for detection of epileptic seizure activities based on feature extraction from brain maps using image processing algorithms. <i>IET Image Processing</i> , 2018, 12, 2153-2162.	1.4	11
33	An effective approach to classify epileptic EEG signal using local neighbor gradient pattern transformation methods. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 1029-1046.	1.4	15
34	Detection of Epileptic EEG Signal Using Improved Local Pattern Transformation Methods. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 5554-5575.	1.2	19
35	A Study on Using Blink Parameters from EEG Data for Lie Detection. , 2018, , .		9
36	Application and Evaluation of Independent Component Analysis Methods to Generalized Seizure Disorder Activities Exhibited in the Brain. <i>Clinical EEG and Neuroscience</i> , 2017, 48, 295-300.	0.9	12

#	ARTICLE	IF	CITATIONS
37	Automated artifact rejection using ICA and image processing algorithms. , 2017, , .		4
38	Range-Based ICA Using a Nonsmooth Quasi-Newton Optimizer for Electroencephalographic Source Localization in Focal Epilepsy. Neural Computation, 2015, 27, 628-671.	1.3	12
39	EEG Database of Seizure Disorders for Experts and Application Developers. Clinical EEG and Neuroscience, 2014, 45, 304-309.	0.9	24
40	A Simple commutation method for PMLBDC motor used in speed servo system. , 2011, , .		0
41	Generating Brain-maps with ICA Source Estimates from Hybrid Optimizer Using Spectral Screened EEG Data. IFMBE Proceedings, 2009, , 1250-1254.	0.2	1