

Rakesh Kumar Sinha

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

323
citations

933264

10
h-index

839398

18
g-index

26
all docs

26
docs citations

26
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Neural Network and Wavelet Based Automated Detection of Sleep Spindles, REM Sleep and Wake States. <i>Journal of Medical Systems</i> , 2008, 32, 291-299.	2.2	73
2	Backpropagation Artificial Neural Network Classifier to Detect Changes in Heart Sound due to Mitral Valve Regurgitation. <i>Journal of Medical Systems</i> , 2007, 31, 205-209.	2.2	39
3	An approach to estimate EEG power spectrum as an index of heat stress using backpropagation artificial neural network. <i>Medical Engineering and Physics</i> , 2007, 29, 120-124.	0.8	24
4	Heart rate variability features from nonlinear cardiac dynamics in identification of diabetes using artificial neural network and support vector machine. <i>Biocybernetics and Biomedical Engineering</i> , 2020, 40, 1002-1009.	3.3	23
5	Chronic non-thermal exposure of modulated 2450 MHz microwave radiation alters thyroid hormones and behavior of male rats. <i>International Journal of Radiation Biology</i> , 2008, 84, 505-513.	1.0	21
6	Support vector machine and fuzzy C-mean clustering-based comparative evaluation of changes in motor cortex electroencephalogram under chronic alcoholism. <i>Medical and Biological Engineering and Computing</i> , 2015, 53, 609-622.	1.6	16
7	Epileptic Spike Recognition in Electroencephalogram Using Deterministic Finite Automata. <i>Journal of Medical Systems</i> , 2009, 33, 173-179.	2.2	13
8	Sleep-wake study in an animal model of acute and chronic heat stress. <i>Physiology and Behavior</i> , 2006, 89, 364-372.	1.0	11
9	p-CPA Pretreatment Reverses the Changes in Sleep and Behavior Following Acute Immobilization Stress Rats. <i>Journal of Physiological Sciences</i> , 2006, 56, 123-129.	0.9	11
10	DFAspike: A new computational proposition for efficient recognition of epileptic spike in EEG. <i>Computers in Biology and Medicine</i> , 2011, 41, 559-564.	3.9	11
11	Heart rate variability time domain features in automated prediction of diabetes in rat. <i>Physical and Engineering Sciences in Medicine</i> , 2021, 44, 45-52.	1.3	11
12	Backpropagation Artificial Neural Network Detects Changes in Electro-Encephalogram Power Spectra of Syncopic Patients. <i>Journal of Medical Systems</i> , 2006, 31, 63-68.	2.2	10
13	EEG power spectrum and neural network based sleep-hypnogram analysis for a model of heat stress. <i>Journal of Clinical Monitoring and Computing</i> , 2008, 22, 261-268.	0.7	10
14	Prediction of Heat-Illness Symptoms with the Prediction of Human Vascular Response in Hot Environment Under Resting Condition. <i>Journal of Medical Systems</i> , 2008, 32, 167-176.	2.2	9
15	Study of changes in some pathophysiological stress markers in different age groups of an animal model of acute and chronic heat stress. <i>Iranian Biomedical Journal</i> , 2007, 11, 101-111.	0.4	9
16	Backpropagation ANN-Based Prediction of Exertional Heat Illness. <i>Journal of Medical Systems</i> , 2007, 31, 547-550.	2.2	7
17	Neural Network-Based Evaluation of Chronic Non-Thermal Effects of Modulated 2450 MHz Microwave Radiation on Electroencephalogram. <i>Annals of Biomedical Engineering</i> , 2008, 36, 839-851.	1.3	6
18	Parallel Algorithm to Analyze the Brain Signals: Application on Epileptic Spikes. <i>Journal of Medical Systems</i> , 2011, 35, 93-104.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Computer Simulation of Heat Transfer in Different Tissue Layers of Body Extremities Under Heat Stress in Deep Anesthetic Condition. Journal of Medical Systems, 2008, 32, 283-290.	2.2	4
20	An Unsupervised Neural Network to Predict the Level of Heat Stress. Journal of Clinical Monitoring and Computing, 2008, 22, 425-430.	0.7	3
21	Analysis of Age Dependent Effects of Heat Stress on EEG Frequency Components in Rats. Biomedical and Environmental Sciences, 2009, 22, 141-150.	0.2	3
22	Neural Network Detects the Effects of p-CPA Pre-treatment on Brain Electrophysiology in a Rat Model of Focal Brain Injury. Journal of Clinical Monitoring and Computing, 2009, 23, 105-113.	0.7	1
23	Mechanistic electronic model to simulate and predict the effect of heat stress on the functional genomics of HO-1 system: Vasodilation. Computers in Biology and Medicine, 2010, 40, 533-542.	3.9	1
24	Automatic Identification of an Epileptic Spike Pattern in an EEG Signals Using ANN. Advances in Intelligent Systems and Computing, 2014, , 915-923.	0.5	1
25	K-Nearest Neighborhood Approach to Identify Level of Left Ventricular Ejection Fraction From Phonocardiogram. Journal of Clinical Engineering, 2013, 38, 75-78.	0.1	0
26	Automated Detection of Chronic Alcoholism Using Hilbert Huang Transformation. , 2017, , 89-95.		0