

Rakesh Kumar Sinha

List of Publications by Year in descending order

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26
papers

323
citations

933264

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839398

18
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26
all docs

26
docs citations

26
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	Heart rate variability time domain features in automated prediction of diabetes in rat. Physical and Engineering Sciences in Medicine, 2021, 44, 45-52.	1.3	11
2	Heart rate variability features from nonlinear cardiac dynamics in identification of diabetes using artificial neural network and support vector machine. Biocybernetics and Biomedical Engineering, 2020, 40, 1002-1009.	3.3	23
3	Automated Detection of Chronic Alcoholism Using Hilbert Huang Transformation. , 2017, , 89-95.		0
4	Support vector machine and fuzzy C-mean clustering-based comparative evaluation of changes in motor cortex electroencephalogram under chronic alcoholism. Medical and Biological Engineering and Computing, 2015, 53, 609-622.	1.6	16
5	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
6	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
7	Parallel Algorithm to Analyze the Brain Signals: Application on Epileptic Spikes. Journal of Medical Systems, 2011, 35, 93-104.	2.2	6
8	DFAspike: A new computational proposition for efficient recognition of epileptic spike in EEG. Computers in Biology and Medicine, 2011, 41, 559-564.	3.9	11
9	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
10	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
11	Epileptic Spike Recognition in Electroencephalogram Using Deterministic Finite Automata. Journal of Medical Systems, 2009, 33, 173-179.	2.2	13
12	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
13	EEG power spectrum and neural network based sleep-hypnogram analysis for a model of heat stress. Journal of Clinical Monitoring and Computing, 2008, 22, 261-268.	0.7	10
14	An Unsupervised Neural Network to Predict the Level of Heat Stress. Journal of Clinical Monitoring and Computing, 2008, 22, 425-430.	0.7	3
15	Prediction of Heat-Illness Symptoms with the Prediction of Human Vascular Response in Hot Environment Under Resting Condition. Journal of Medical Systems, 2008, 32, 167-176.	2.2	9
16	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
17	Artificial Neural Network and Wavelet Based Automated Detection of Sleep Spindles, REM Sleep and Wake States. Journal of Medical Systems, 2008, 32, 291-299.	2.2	73
18	Neural Network-Based Evaluation of Chronic Non-Thermal Effects of Modulated 2450MHz Microwave Radiation on Electroencephalogram. Annals of Biomedical Engineering, 2008, 36, 839-851.	1.3	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Backpropagation ANN-Based Prediction of Exertional Heat Illness. <i>Journal of Medical Systems</i> , 2007, 31, 547-550.	2.2	7
23	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
24	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
25	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
26	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