Ä°nan GÃ¼ler

List of Publications by Year
in descending order

32 papers	1,377 citations	623574 14 h-index	477173 29 g-index
32 all docs	32 docs citations	32 times ranked	1322 citing authors

#	Article	IF	Citations
1	Designing and application of a new medical instrument sterilization system using reactive oxygen species. Review of Scientific Instruments, 2021, 92, 114105.	0.6	2
2	The Use of Stepper Motor-Controlled Proportional Valve for Fio2 Calculation in the Ventilator and its Control with Fuzzy Logic. Journal of Medical Systems, 2017, 41, 1.	2.2	105
3	Design and Construction of a Microcontroller-Based Ventilator Synchronized with Pulse Oximeter. Journal of Medical Systems, 2016, 40, 180.	2.2	6
4	Implementation of an Embedded Web Server Application for Wireless Control of Brain Computer Interface Based Home Environments. Journal of Medical Systems, 2016, 40, 27.	2.2	19
5	DENOISING AND REMOTE MONITORING OF ECG SIGNAL WITH REAL-TIME EXTENDED KALMAN FILTER IN A WEARABLE SYSTEM. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550009.	0.3	3
6	Detection, real time processing and monitoring of ECG signal with a wearable system. , 2011, , .		4
7	Design of a Cervical Collar Device to Facilitate and Accelerate Implementation of First Aid. Journal of Medical Systems, 2010, 34, 573-578.	2.2	4
8	DESIGN OF PIC-CONTROLLED PULSED ULTRASONIC TRANSMITTER FOR MEASURING GINGIVA THICKNESS. Instrumentation Science and Technology, 2010, 38, 411-420.	0.9	2
9	Design of Fuzzy Logic Controlled Thermoelectric Renal Hypothermia System. Instrumentation Science and Technology, 2008, 36, 310-322.	0.9	3
10	Multiclass Support Vector Machines for EEG-Signals Classification. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 117-126.	3.6	319
11	SPECTRAL ANALYSIS TECHNIQUES IN THE DETECTION OF CORONARY ARTERY STENOSIS. , 2007, , 217-271.		0
12	Combined neural network model to compute wavelet coefficients. Expert Systems, 2006, 23, 159-173.	2.9	2
13	Automated Diagnostic Systems With Diverse and Composite Features for Doppler Ultrasound Signals. IEEE Transactions on Biomedical Engineering, 2006, 53, 1934-1942.	2.5	10
14	MATLAB toolboxes: Teaching feature extraction from time-varying biomedical signals. Computer Applications in Engineering Education, 2006, 14, 321-332.	2.2	10
15	Detection of ophthalmic arterial doppler signals with Behcet disease using multilayer perceptron neural network. Computers in Biology and Medicine, 2005, 35, 121-132.	3.9	11
16	A mixture of experts network structure for modelling Doppler ultrasound blood flow signals. Computers in Biology and Medicine, 2005, 35, 565-582.	3.9	34
17	An expert system for detection of electrocardiographic changes in patients with partial epilepsy using wavelet-based neural networks. Expert Systems, 2005, 22, 62-71.	2.9	31
18	Adaptive neuro-fuzzy inference system for classification of EEG signals using wavelet coefficients. Journal of Neuroscience Methods, 2005, 148, 113-121.	1.3	539

#	Article	IF	Citations
19	Neural network analysis of ophthalmic arterial doppler signals with Uveitis disease. Neural Computing and Applications, 2005, 14, 353-360.	3.2	1
20	Combining Neural Network and Genetic Algorithm for Prediction of Lung Sounds. Journal of Medical Systems, 2005, 29, 217-231.	2.2	75
21	A Mixture of Experts Network Structure for EEG Signals Classification. , 2005, 2005, 2707-10.		11
22	Adaptive neuro-fuzzy inference system for gap discontinuities in coplanar waveguides. International Journal of Electronics, 2005, 92, 173-188.	0.9	6
23	Detecting variability of internal carotid arterial Doppler signals by Lyapunov exponents. Medical Engineering and Physics, 2004, 26, 763-771.	0.8	17
24	Detection of ophthalmic artery stenosis by least-mean squares backpropagation neural network. Computers in Biology and Medicine, 2003, 33, 333-343.	3.9	62
25	Application of classical and model-based spectral methods to ophthalmic arterial Doppler signals with uveitis disease. Computers in Biology and Medicine, 2003, 33, 455-471.	3.9	16
26	Determination of Behcet disease with the application of FFT and AR methods. Computers in Biology and Medicine, 2002, 32, 419-434.	3.9	22
27	Application of FFT analyzed cardiac Doppler signals to fuzzy algorithm. Computers in Biology and Medicine, 2002, 32, 435-444.	3.9	24
28	Comparison of FFT and adaptive ARMA methods in transcranial Doppler signals recorded from the cerebral vessels. Computers in Biology and Medicine, 2002, 32, 445-453.	3.9	21
29	Design of low-cost general purpose microcontroller based neuromuscular stimulator. Journal of Medical Systems, 2000, 24, 91-101.	2.2	15
30	A Pascal-based decision support system model for diagnosis and treatment processes in urology. Journal of Medical Systems, 1999, 23, 357-361.	2.2	1
31	Tissue blood flow assessment of pulsed Doppler ultrasound using autoregressive modeling. Journal of Medical Systems, 1999, 23, 77-81.	2.2	1
32	Derivation of correlation coefficient formula for determination of Doppler angle using time domain correlation ultrasonic flowmeter. Journal of Medical Systems, 1997, 21, 75-86.	2.2	1