Yt Zhang

List of Publications by Year
in descending order

		2257833	2549979
64 papers	1,697 citations	3 h-index	3 g-index
64 all docs	64 docs citations	64 times ranked	1372 citing authors

#	Article	IF	Citations
1	Guest Editorial Introduction to the Special Section on M-Health: Beyond Seamless Mobility and Global Wireless Health-Care Connectivity. IEEE Transactions on Information Technology in Biomedicine, 2004, 8, 405-414.	3.6	622
2	Cuff-less and Noninvasive Measurements of Arterial Blood Pressure by Pulse Transit Time. , 2005, 2005, 5877-80.		229
3	Continuous and noninvasive estimation of arterial blood pressure using a photoplethysmographic approach. , 0, , .		130
4	Adaptive reduction of motion artifact from photoplethysmographic recordings using a variable step-size LMS filter. , 0, , .		84
5	Reduction of motion artifacts from photoplethysmographic recordings using a wavelet denoising approach. , 0, , .		70
6	A novel biometric approach in human verification by photoplethysmographic signals. , 0, , .		66
7	A Correlation Study on the Variabilities in Pulse Transit Time, Blood Pressure, and Heart Rate Recorded Simultaneously from Healthy Subjects. , 2005, 2006, 996-9.		54
8	Guest Editorial Body Sensor Networks: From Theory to Emerging Applications. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 859-863.	3.6	53
9	Photoplethysmographic authentication through fuzzy logic. , 0, , .		37
10	Noninvasive and cuffless measurements of blood pressure for telemedicine. , 0, , .		34
11	Spectral Analysis of Pulse Transit Time Variability and Its Coherence with Other Cardiovascular Variabilities. , 2006, 2006, 6442-5.		27
12	The Effects of Exercises on the Relationship between Pulse Transit Time and Arterial Blood Pressure. , 2005, 2005, 5576-8.		24
13	Noninvasive Estimation of Blood Pressure Using Photoplethysmographic Signals in the Period Domain. , 2005, 2005, 3583-4.		21
14	Reduction of heart sounds from lung sound recordings by automated gain control and adaptive filtering techniques. , 0, , .		19
15	A novel method for the contactless and continuous measurement of arterial blood pressure on a sleeping bed. , 2009, 2009, 6084-6.		19
16	A Hybrid Body Sensor Network for Continuous and Long-term Measurement of Arterial Blood Pressure. , 2007, , .		18
17	Usage of Bluetooth/sup TM/ in wireless sensors for tele-healthcare. , 0, , .		15
18	Cuffless and noninvasive estimation of blood pressure based on a wavelet transform approach. , 0, , .		13

#	Article	IF	Citations
19	Using the Changes in Hydrostatic Pressure and Pulse Transit Time to Measure Arterial Blood Pressure. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2336-7.	0.5	13
20	A ring-type device for the noninvasive measurement of arterial blood pressure. , 0, , .		12
21	Changes in the Photoplethysmogram Waveform After Exercise. , 0, , .		12
22	On the feasibility of the usage of WAP devices in telemedicine. , 0, , .		11
23	A h-Shirt-Based Body Sensor Network for Cuffless Calibration and Estimation of Arterial Blood Pressure. , 2009, , .		11
24	A model-based calibration method for noninvasive and cuffless measurement of arterial blood pressure. , 2006, , .		10
25	The Relationship between Pulse Transit Time and Systolic Blood Pressure on Individual Subjects after Exercises. , 0, , .		10
26	Digitization of electrocardiogram (ECG) signals using delta-sigma modulation. , 0, , .		9
27	A Feasibility Study of Burn Wound Depth Assessment Using Terahertz Pulsed Imaging. , 2007, , .		8
28	Continuous and long-term arterial blood pressure monitoring by using h-Shirt. , 2008, , .		8
29	Recoverability Trend of Blood Pressure and Pulse Transit Time after Treadmill Exercise. , 2005, 2005, 3510-3.		7
30	Study on the peak interval variability of photoplethysmogtaphic signals. , 0, , .		6
31	Effects of Exercise on the Pulse Transit Time. , 0, , .		6
32	An Efficient Algorithm to Reconstruct Heart Rate Signal Based on an IPFM Model for the Spectral Analysis of HRV. , 2005, 2006, 936-9.		6
33	Medical ultrasound image compression using multiresolution decomposition and vector quantization. , 0, , .		3
34	Electrical properties of normal and scarred skin. , 0, , .		3
35	A new magnetic device for the identification of endotracheal tube position. , 0, , .		3
36	Study on the Effect of Contacting Force on Pulse Transit Time. , 0, , .		3

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37	A Model-based Artifact Reduction Method for the Non-invasive Estimation of Blood Oxygen Saturation. , 0, , .		3
38	Optimum estimation and detection of distortion product otoacoustic emissions in white Gaussian noise. , 0, , .		2
39	Effects of the refractory period on the IPI probability density function of junctional output pulse train. , 0, , .		2
40	Effects of refractoriness on the statistics of the post-membrane output IPIs. , 0, , .		2
41	A theoretical analysis of neural firing rate function based on an integral pulse frequency modulation model. , 0, , .		2
42	Reducing the influence of contacting force applied on photoplethysmographic sensor on heart rate variability estimation. , 0, , .		2
43	A new data processing approach to reduce variations in terahertz pulsed imaging. , 2008, , .		2
44	Cardiovascular health informatics: Wearable intelligent sensors for e-health (WISE). , 2011, , .		2
45	Signal-to-noise ratios of the myoelectric channel with additive noise. , 0, , .		1
46	The Effects of the Firing Characteristics on the Power Density Spectrum of Electrocardiographic Signal. , 0, , .		1
47	An Integrate-and-Fire Based Baroreceptor Model. , 0, , .		1
48	Innovative Biomedical Information Technologies for Low-cost Healthcare. , 2007, , .		1
49	Automated DNA sequencing on gel images by digital techniques. , 0, , .		0
50	Simulation of MUAP recruitment and rate coding in frequency domain. , 0, , .		0
51	Adaptive demodulation of muscular force from myoelectric signals obtained during locomotion. , 0, , .		0
52	Adaptive filtering for distortion product otoacoustic emissions. , 0, , .		0
53	Use of single-source multi-channel EBI system for rheopneumographic measurements. , 0, , .		0
54	Modeling of muscle vibration during a twitch. , 0, , .		0

#	Article	IF	Citations
55	Effects of firing statistics on the mean frequency of EMG and VMG signals. , 0, , .		0
56	The design of control methods for neuroprostheses to restore multiple degrees of freedom motor functions. , 0, , .		0
57	A study on inhomogeneous characteristics of cochlea for spontaneous otoacoustic emissions. , 0, , .		0
58	From otoacoustic emission modeling to bionic wavelet transform. , 0, , .		0
59	The refracted bifurcating neural network. , 0, , .		0
60	A preliminary study on optical measurements of glucose concentration using a surface plasmon resonance system. , 0, , .		0
61	Effects of dispersion filtering at endplates on the power spectrum of myoelectric signals. , 0, , .		0
62	Nonlinear analysis of photo-plethysmographic signals obtained during rest and step-climbing exercises. , 0, , .		0
63	Analysis of surface plasmon resonance data using a partial least square regression method for glucose concentration estimation. , 2004, 2004, 2424-5.		0
64	Characterizing rat tissue samples using Terahertz Pulsed Imaging. , 2008, , .		0