

# Yt Zhang

## List of Publications by Year in descending order

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64  
papers

1,697  
citations

2257263

3  
h-index

2549687

3  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular health informatics: Wearable intelligent sensors for e-health (WISE). , 2011, , .		2
2	Guest Editorial Body Sensor Networks: From Theory to Emerging Applications. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 859-863.	3.6	53
3	A novel method for the contactless and continuous measurement of arterial blood pressure on a sleeping bed. , 2009, 2009, 6084-6.		19
4	A h-Shirt-Based Body Sensor Network for Cuffless Calibration and Estimation of Arterial Blood Pressure. , 2009, , .		11
5	Continuous and long-term arterial blood pressure monitoring by using h-Shirt. , 2008, , .		8
6	A new data processing approach to reduce variations in terahertz pulsed imaging. , 2008, , .		2
7	Characterizing rat tissue samples using Terahertz Pulsed Imaging. , 2008, , .		0
8	A Hybrid Body Sensor Network for Continuous and Long-term Measurement of Arterial Blood Pressure. , 2007, , .		18
9	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
10	A Feasibility Study of Burn Wound Depth Assessment Using Terahertz Pulsed Imaging. , 2007, , .		8
11	Innovative Biomedical Information Technologies for Low-cost Healthcare. , 2007, , .		1
12	A model-based calibration method for noninvasive and cuffless measurement of arterial blood pressure. , 2006, , .		10
13	Spectral Analysis of Pulse Transit Time Variability and Its Coherence with Other Cardiovascular Variabilities. , 2006, 2006, 6442-5.		27
14	An Efficient Algorithm to Reconstruct Heart Rate Signal Based on an IPFM Model for the Spectral Analysis of HRV. , 2005, 2006, 936-9.		6
15	Noninvasive Estimation of Blood Pressure Using Photoplethysmographic Signals in the Period Domain. , 2005, 2005, 3583-4.		21
16	Recoverability Trend of Blood Pressure and Pulse Transit Time after Treadmill Exercise. , 2005, 2005, 3510-3.		7
17	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
18	Cuff-less and Noninvasive Measurements of Arterial Blood Pressure by Pulse Transit Time. , 2005, 2005, 5877-80.		229

#	ARTICLE	IF	CITATIONS
19	The Effects of Exercises on the Relationship between Pulse Transit Time and Arterial Blood Pressure. , 2005, 2005, 5576-8.		24
20	Analysis of surface plasmon resonance data using a partial least square regression method for glucose concentration estimation. , 2004, 2004, 2424-5.		0
21	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
22	Automated DNA sequencing on gel images by digital techniques. , 0, , .		0
23	Optimum estimation and detection of distortion product otoacoustic emissions in white Gaussian noise. , 0, , .		2
24	Simulation of MUAP recruitment and rate coding in frequency domain. , 0, , .		0
25	Adaptive demodulation of muscular force from myoelectric signals obtained during locomotion. , 0, , .		0
26	Medical ultrasound image compression using multiresolution decomposition and vector quantization. , 0, , .		3
27	Signal-to-noise ratios of the myoelectric channel with additive noise. , 0, , .		1
28	Adaptive filtering for distortion product otoacoustic emissions. , 0, , .		0
29	Use of single-source multi-channel EBI system for rheopneumographic measurements. , 0, , .		0
30	Modeling of muscle vibration during a twitch. , 0, , .		0
31	Digitization of electrocardiogram (ECG) signals using delta-sigma modulation. , 0, , .		9
32	Effects of firing statistics on the mean frequency of EMG and VMG signals. , 0, , .		0
33	Electrical properties of normal and scarred skin. , 0, , .		3
34	The design of control methods for neuroprostheses to restore multiple degrees of freedom motor functions. , 0, , .		0
35	Effects of the refractory period on the IPI probability density function of junctional output pulse train. , 0, , .		2
36	A study on inhomogeneous characteristics of cochlea for spontaneous otoacoustic emissions. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Effects of refractoriness on the statistics of the post-membrane output IPIs. , 0, , .		2
38	On the feasibility of the usage of WAP devices in telemedicine. , 0, , .		11
39	From otoacoustic emission modeling to bionic wavelet transform. , 0, , .		0
40	A new magnetic device for the identification of endotracheal tube position. , 0, , .		3
41	Noninvasive and cuffless measurements of blood pressure for telemedicine. , 0, , .		34
42	Reduction of heart sounds from lung sound recordings by automated gain control and adaptive filtering techniques. , 0, , .		19
43	The refracted bifurcating neural network. , 0, , .		0
44	Adaptive reduction of motion artifact from photoplethysmographic recordings using a variable step-size LMS filter. , 0, , .		84
45	A preliminary study on optical measurements of glucose concentration using a surface plasmon resonance system. , 0, , .		0
46	Usage of Bluetooth/sup TM/ in wireless sensors for tele-healthcare. , 0, , .		15
47	Effects of dispersion filtering at endplates on the power spectrum of myoelectric signals. , 0, , .		0
48	Continuous and noninvasive estimation of arterial blood pressure using a photoplethysmographic approach. , 0, , .		130
49	Cuffless and noninvasive estimation of blood pressure based on a wavelet transform approach. , 0, , .		13
50	Reduction of motion artifacts from photoplethysmographic recordings using a wavelet denoising approach. , 0, , .		70
51	A novel biometric approach in human verification by photoplethysmographic signals. , 0, , .		66
52	Photoplethysmographic authentication through fuzzy logic. , 0, , .		37
53	Nonlinear analysis of photo-plethysmographic signals obtained during rest and step-climbing exercises. , 0, , .		0
54	Study on the peak interval variability of photoplethysmographic signals. , 0, , .		6

#	ARTICLE	IF	CITATIONS
55	A ring-type device for the noninvasive measurement of arterial blood pressure. , 0, , .		12
56	A theoretical analysis of neural firing rate function based on an integral pulse frequency modulation model. , 0, , .		2
57	Reducing the influence of contacting force applied on photoplethysmographic sensor on heart rate variability estimation. , 0, , .		2
58	Changes in the Photoplethysmogram Waveform After Exercise. , 0, , .		12
59	Effects of Exercise on the Pulse Transit Time. , 0, , .		6
60	The Effects of the Firing Characteristics on the Power Density Spectrum of Electrocardiographic Signal. , 0, , .		1
61	Study on the Effect of Contacting Force on Pulse Transit Time. , 0, , .		3
62	A Model-based Artifact Reduction Method for the Non-invasive Estimation of Blood Oxygen Saturation. , 0, , .		3
63	An Integrate-and-Fire Based Baroreceptor Model. , 0, , .		1
64	The Relationship between Pulse Transit Time and Systolic Blood Pressure on Individual Subjects after Exercises. , 0, , .		10