

Lei Wang

List of Publications by Year in descending order

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165
papers

3,684
citations

113904

34
h-index

175522

52
g-index

169
all docs

169
docs citations

169
times ranked

5502
citing authors

#	ARTICLE	IF	CITATIONS
1	A statistical deformation model-based data augmentation method for volumetric medical image segmentation. <i>Medical Image Analysis</i> , 2024, 91, 102984.	11.8	2
2	Concomitant Skew and Phase Correction (CSPC) for Industry 5.0 Enabler Pervasive Distributed Computing Systems. <i>IEEE Transactions on Consumer Electronics</i> , 2024, 70, 1511-1518.	3.7	0
3	3D nanofabricated soft microrobots with super-compliant picoforce springs as onboard sensors and actuators. <i>Nature Nanotechnology</i> , 2024, 19, 494-503.	30.5	8
4	Multi-Lateral Branched Network for Tool Segmentation During Robot-Assisted Endovascular Interventions. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2024, 6, 433-447.	3.3	0
5	Topological Data Analysis for Robust Gait Biometrics Based On Wearable Sensors. <i>IEEE Transactions on Consumer Electronics</i> , 2024, , 1-1.	3.7	0
6	736P Exceptional clinical benefit (ECB) from immune checkpoint inhibitors (ICIs) in mismatch-repair deficient (MMRd) in recurrent/metastatic endometrial cancer (r/mEC): Are we curing a subset of MMRd EC patients (pts)? <i>Annals of Oncology</i> , 2024, 35, S560.	1.3	0
7	Analyzing Surgeon's Robot Cooperative Performance in Robot-Assisted Intravascular Catheterization. <i>IEEE Transactions on Human-Machine Systems</i> , 2024, , 1-13.	4.0	0
8	Development of a Fiber Bragg Grating-Based Force Sensor for Minimally Invasive Surgery's Case Study of Ex-Vivo Tissue Palpation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	4.7	11
9	Topological EEG Nonlinear Dynamics Analysis for Emotion Recognition. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2023, 15, 625-638.	4.3	15
10	Weighting-Based Deep Ensemble Learning for Recognition of Interventionalists' Hand Motions During Robot-Assisted Intravascular Catheterization. <i>IEEE Transactions on Human-Machine Systems</i> , 2023, 53, 215-227.	4.0	6
11	Technical and Clinical Progress on Robot-Assisted Endovascular Interventions: A Review. <i>Micromachines</i> , 2023, 14, 197.	3.0	17
12	Interventionalist Hand Motion Recognition With Convolutional Neural Network in Robot-Assisted Coronary Interventions. <i>IEEE Sensors Journal</i> , 2023, 23, 17725-17736.	4.8	3
13	Topological Nonlinear Analysis of Dynamical Systems in Wearable Sensor-Based Human Physical Activity Inference. <i>IEEE Transactions on Human-Machine Systems</i> , 2023, 53, 792-801.	4.0	0
14	Topological EEG-Based Functional Connectivity Analysis for Mental Workload State Recognition. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-14.	4.7	3
15	Development of an Intuitive Interface with Haptic Enhancement for Robot-Assisted Endovascular Intervention. <i>IEEE Transactions on Haptics</i> , 2023, , 1-13.	2.7	2
16	A Review on Flexible Robotic Systems for Minimally Invasive Surgery. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 631-644.	9.7	108
17	An absolute magnitude deviation of HRV for the prediction of prediabetes with combined artificial neural network and regression tree methods. <i>Artificial Intelligence Review</i> , 2022, 55, 2221-2244.	16.1	5
18	Topological Descriptors of Gait Nonlinear Dynamics Toward Freezing-of-Gait Episodes Recognition in Parkinson's Disease. <i>IEEE Sensors Journal</i> , 2022, 22, 4294-4304.	4.8	6

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19	AI-driven adaptive reliable and sustainable approach for internet of things enabled healthcare system. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 3953-3971.	2.0	20
20	Toward broad optimal output bandwidth dielectric elastomer actuators. <i>Science China Technological Sciences</i> , 2022, 65, 1137-1148.	4.0	16
21	Dual Defocused Laser Pyrolysis: A Lasing-Centric Strategy for Defect and Morphological Optimization in Microsupercapacitor Electrodes. <i>Small Methods</i> , 2022, 6, e2101616.	9.6	3
22	Exploring Operators' Natural Behaviors to Predict Catheterization Trial Outcomes in Robot-Assisted Intravascular Interventions. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2022, 4, 682-695.	3.3	5
23	Exploiting Bistability for High-Performance Dielectric Elastomer Resonators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 5994-6005.	6.1	24
24	Adapting Neural-Based Models for Position Error Compensation in Robotic Catheter Systems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 10936.	2.6	9
25	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9664-9671.	9.3	24
26	Toward ML-Based Energy-Efficient Mechanism for 6G Enabled Industrial Network in Box Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7185-7192.	12.1	35
27	Towards 5G-Enabled Self Adaptive Green and Reliable Communication in Intelligent Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 5223-5231.	8.4	54
28	A Novel Method of Using Bifilar Spiral Resonator for Designing Thin Robust Flexible Glucose Sensors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-10.	4.7	9
29	Massage Therapy's Effectiveness on the Decoding EEG Rhythms of Left/Right Motor Imagery and Motion Execution in Patients With Skeletal Muscle Pain. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2021, 9, 1-20.	3.9	2
30	A Novel Adaptive Battery-Aware Algorithm for Data Transmission in IoT-Based Healthcare Applications. <i>Electronics (Switzerland)</i> , 2021, 10, 367.	3.2	41
31	Decentralized Energy Efficient Model for Data Transmission in IoT-based Healthcare System. , 2021, , .		22
32	An Adaptive Energy Optimization Mechanism for Decentralized Smart Healthcare Applications. , 2021, , .		6
33	Fiber Bragg Grating-Based Force Sensing in Robot-Assisted Cardiac Interventions: A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 10317-10331.	4.8	23
34	Automatic tool segmentation and tracking during robotic intravascular catheterization for cardiac interventions. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2688-2710.	2.1	14
35	The impact of ossification spread on cervical spine function in patients with ossification of the posterior longitudinal ligament. <i>Scientific Reports</i> , 2021, 11, 14337.	3.4	3
36	A Hybrid Microstructure Piezoresistive Sensor with Machine Learning Approach for Gesture Recognition. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7264.	2.6	6

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37	Non-invasive Monitoring of Three Glucose Ranges Based On ECG By Using DBSCAN-CNN. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3340-3350.	6.9	36
38	Towards noninvasive and fast detection of Glycated hemoglobin levels based on ECG using convolutional neural networks with multisegments fusion and Varied-weight. Expert Systems With Applications, 2021, 186, 115846.	7.9	7
39	A Soft Wearable and Fully-Textile Piezoresistive Sensor for Plantar Pressure Capturing. Micromachines, 2021, 12, 110.	3.0	32
40	On the Mechanical Power Output Comparisons of Cone Dielectric Elastomer Actuators. IEEE/ASME Transactions on Mechatronics, 2021, 26, 3151-3162.	6.1	25
41	Research on Classification of Patient-ventilator Asynchrony Using Permutation Disalignment Index. , 2021, , .		0
42	Kinematics Constraint Modeling for Flexible Robots based on Deep Learning¹. , 2021, 2021, 4940-4943.		2
43	A novel insect-inspired "clicking" dielectric elastomer oscillator for soft robotics. , 2021, , .		0
44	A Survey of Tactile-Sensing Systems and Their Applications in Biomedical Engineering. Advances in Materials Science and Engineering, 2020, 2020, 1-17.	1.7	52
45	A synergistic self-assembled 3D PEDOT:PSS/graphene composite sponge for stretchable microsupercapacitors. Journal of Materials Chemistry A, 2020, 8, 554-564.	10.5	75
46	Facile Fabrication of 3D Porous Sponges Coated with Synergistic Carbon Black/Multiwalled Carbon Nanotubes for Tactile Sensing Applications. Nanomaterials, 2020, 10, 1941.	4.2	23
47	Towards adequate prediction of prediabetes using spatiotemporal ECG and EEG feature analysis and weight-based multi-model approach. Knowledge-Based Systems, 2020, 209, 106464.	7.4	17
48	Flexible Pressure Sensors for Biomedical Applications: From Ex Vivo to In Vivo. Advanced Materials Interfaces, 2020, 7, 2000743.	4.1	62
49	Identity Recognition by Walking Outdoors Using Multimodal Sensor Insoles. IEEE Access, 2020, 8, 150797-150807.	4.4	21
50	A Novel CGM Metric-Gradient and Combining Mean Sensor Glucose Enable to Improve the Prediction of Nocturnal Hypoglycemic Events in Patients with Diabetes. Journal of Diabetes Research, 2020, 2020, 1-8.	2.4	5
51	Asynchronous Event-driven Encoder With Simultaneous Temporal Envelope and Phase Extraction for Cochlear Implants. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 620-630.	4.5	3
52	Classification of Neurodegenerative Diseases via Topological Motion Analysis" A Comparison Study for Multiple Gait Fluctuations. IEEE Access, 2020, 8, 96363-96377.	4.4	21
53	A Supersensitive, Multidimensional Flexible Strain Gauge Sensor Based on Ag/PDMS for Human Activities Monitoring. Scientific Reports, 2020, 10, 4639.	3.4	32
54	The Effectiveness Assessment of Massage Therapy Using Entropy-Based EEG Features Among Lumbar Disc Herniation Patients Comparing With Healthy Controls. IEEE Access, 2020, 8, 7758-7775.	4.4	9

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55	Motion and Trajectory Constraints Control Modeling for Flexible Surgical Robotic Systems. <i>Micromachines</i> , 2020, 11, 386.	3.0	15
56	An Area-Efficient and Highly Linear Reconfigurable Continuous-Time Filter for Biomedical Sensor Applications. <i>Sensors</i> , 2020, 20, 2065.	4.0	6
57	Exploration of Interventionistsâ€™ Technical Manipulation Skills for Robot-Assisted Intravascular PCI Catheterization. <i>IEEE Access</i> , 2020, 8, 53750-53765.	4.4	11
58	Superelastic, Sensitive, and Low Hysteresis Flexible Strain Sensor Based on Wave-Patterned Liquid Metal for Human Activity Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22200-22211.	8.3	167
59	Gait Rhythm Dynamics for Neuro-Degenerative Disease Classification via Persistence Landscape- Based Topological Representation. <i>Sensors</i> , 2020, 20, 2006.	4.0	13
60	Design of a Sensor Insole for Gait Analysis. <i>Lecture Notes in Computer Science</i> , 2019, , 433-444.	1.0	12
61	Realization of Low Profile Leaky Wave Antennas Using the Bending Technique for Frequency Scanning and Sensor Applications. <i>Sensors</i> , 2019, 19, 2265.	4.0	8
62	Microchannel Structural Design For a Room-Temperature Liquid Metal Based Super-stretchable Sensor. <i>Scientific Reports</i> , 2019, 9, 5908.	3.4	66
63	Adapting Random Forest Classifier Based on Single and Multiple Features for Surface Electromyography Signal Recognition. , 2019, , .		8
64	Learning-based Parameter Estimation for Hysteresis Modeling in Robotic Catheterization. , 2019, 2019, 5399-5402.		7
65	Statistical and spectral analysis of ECG signal towards achieving non-invasive blood glucose monitoring. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 266.	3.1	19
66	Highly stretchable sensors for wearable biomedical applications. <i>Journal of Materials Science</i> , 2019, 54, 5187-5223.	3.7	55
67	Deep Learning Intervention for Health Care Challenges: Some Biomedical Domain Considerations. <i>JMIR MHealth and UHealth</i> , 2019, 7, e11966.	3.8	122
68	A Preliminary Study on Surface Electromyography Signal Analysis for Motion Characterization During Catheterization. <i>Lecture Notes in Computer Science</i> , 2019, , 617-628.	1.0	7
69	An adaptive kernel regression method for 3D ultrasound reconstruction using speckle prior and parallel GPU implementation. <i>Neurocomputing</i> , 2018, 275, 208-223.	6.2	17
70	Adaptation of Translated Frame-Based Approach for Forward Kinematics in a Radiosurgical Snake-Like Robot. , 2018, 2018, 3669-3672.		1
71	Towards Characterization and Adaptive Compensation of Backlash in a Novel Robotic Catheter System for Cardiovascular Interventions. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 824-838.	4.5	60
72	Polydimethylsiloxane (PDMS)-Based Flexible Resistive Strain Sensors for Wearable Applications. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 345.	2.6	192

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73	Photopatternable Magnetic Hollowbots by Nd-Fe-B Nanocomposite for Potential Targeted Drug Delivery Applications. <i>Micromachines</i> , 2018, 9, 182.	3.0	4
74	Co-contraction characteristics of lumbar muscles in patients with lumbar disc herniation during different types of movement. <i>BioMedical Engineering OnLine</i> , 2018, 17, 8.	2.8	10
75	Deeply-learnt damped least-squares (DL-DLS) method for inverse kinematics of snake-like robots. <i>Neural Networks</i> , 2018, 107, 34-47.	6.4	19
76	An Approach for Noninvasive Blood Glucose Monitoring Based on Bioimpedance Difference Considering Blood Volume Pulsation. <i>IEEE Access</i> , 2018, 6, 51119-51129.	4.4	42
77	A Novel Antibacterial Membrane Electrode Based on Bacterial Cellulose/Polyaniline/AgNO ₃ Composite for Bio-Potential Signal Monitoring. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-10.	3.9	6
78	A teleoperated snake-like robot for minimally invasive radiosurgery of gastrointestinal tumors. , 2018, , .		11
79	An FPC based flexible dry electrode with stacked double-micro-domes array for wearable biopotential recording system. <i>Microsystem Technologies</i> , 2017, 23, 1443-1451.	2.1	12
80	A novel low-power compact WBS human body channel receiver for wearable vital signal sensing application in wireless body-area network. <i>Microsystem Technologies</i> , 2017, 23, 4459-4473.	2.1	5
81	Freestanding electrostatic scratch drive microstructures using lamination of photosensitive films for microfluidics and microrobotics applications. <i>Microsystem Technologies</i> , 2017, 23, 5017-5022.	2.1	2
82	A geometric solution for inverse kinematics of redundant teleoperated surgical snake robots. , 2017, , .		5
83	Characterization of In-Body Radio Channels for Wireless Implants. <i>IEEE Sensors Journal</i> , 2017, 17, 1528-1537.	4.8	37
84	Analysis of Electroencephalogram of patients with specific low back pain with the massage treatment. , 2017, 2017, 479-483.		6
85	A Master-Slave control system with workspaces isomerism for teleoperation of a snake robot. , 2017, 2017, 4343-4346.		10
86	An explorative investigation of functional differences in plantar center of pressure of four foot types using sample entropy method. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 537-548.	2.9	19
87	Modeling and characterization of different channels based on human body communication. , 2017, 2017, 702-705.		5
88	A Novel Technique for Fetal ECG Extraction Using Single-Channel Abdominal Recording. <i>Sensors</i> , 2017, 17, 457.	4.0	51
89	Evaluation of Propagation Characteristics Using the Human Body as an Antenna. <i>Sensors</i> , 2017, 17, 2878.	4.0	15
90	An Approach to Biometric Verification Based on Human Body Communication in Wearable Devices. <i>Sensors</i> , 2017, 17, 125.	4.0	14

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91	Non-iterative geometric approach for inverse kinematics of redundant lead-module in a radiosurgical snake-like robot. BioMedical Engineering OnLine, 2017, 16, 93.	2.8	11
92	A Custom Base Station for Collecting and Processing Data of Research-Grade Motion Sensor Units. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 11-18.	0.0	1
93	A flexible and miniaturized wireless ECG recording system with metal-skin contacts input for wearable personalized healthcare. , 2016, , .		5
94	Deep learning-based classification of massive electrocardiography data. , 2016, , .		2
95	A Fuzzy-PD model for master-slave tracking in teleoperated robotic surgery. , 2016, , .		9
96	Fabrication and wireless micromanipulation of magnetic-biocompatible microrobots using microencapsulation for microrobotics and microfluidics applications. Journal of Microencapsulation, 2016, 33, 712-717.	2.6	8
97	A novel method based on two cameras for accurate estimation of arterial oxygen saturation. BioMedical Engineering OnLine, 2015, 14, 52.	2.8	16
98	A statistical frame based TDMA protocol for human body communication. BioMedical Engineering OnLine, 2015, 14, 65.	2.8	13
99	Feature Selection and Predictors of Falls with Foot Force Sensors Using KNN-Based Algorithms. Sensors, 2015, 15, 29393-29407.	4.0	30
100	Toward a Smartphone Application for Estimation of Pulse Transit Time. Sensors, 2015, 15, 27303-27321.	4.0	19
101	Analysis and Comparison of the IEEE 802.15.4 and 802.15.6 Wireless Standards Based on MAC Layer. Lecture Notes in Computer Science, 2015, , 7-16.	1.0	17
102	A restricted Boltzmann machine based two-lead electrocardiography classification. , 2015, , .		29
103	Wearable biometric authentication based on human body communication. , 2015, , .		5
104	Targeting Accurate Object Extraction From an Image: A Comprehensive Study of Natural Image Matting. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 185-207.	12.6	42
105	A novel Bayesian-based nonlocal reconstruction method for freehand 3D ultrasound imaging. Neurocomputing, 2015, 168, 104-118.	6.2	19
106	Analysis of entropies based on empirical mode decomposition in amnesic mild cognitive impairment of diabetes mellitus. Journal of Innovative Optical Health Sciences, 2015, 08, 1550010.	1.0	10
107	A New Approach for Face Detection Based on Photoplethysmographic Imaging. Lecture Notes in Computer Science, 2015, , 79-91.	1.0	3
108	Miniature Four-Band CPW-Fed Antenna for RFID/WiMAX/WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1684-1688.	4.4	19

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109	The Effect of Light Conditions on Photoplethysmographic Image Acquisition Using a Commercial Camera. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-11.	3.9	18
110	Quick shift segmentation guided single image haze removal algorithm. , 2014, , .		5
111	Augmented reality using 3D shape model for ultrasound-guided percutaneous renal access: A pig model study. , 2014, , .		2
112	Wireless Sensor Microsystem Design: A Practical Perspective. , 2014, , 463-494.		0
113	Dynamic virtual fixture on the Euclidean group for admittance-type manipulator in deforming environments. BioMedical Engineering OnLine, 2014, 13, 51.	2.8	9
114	Exploration and Comparison of the Pre-impact Lead Time of Active and Passive Falls Based on Inertial Sensors. Bio-Medical Materials and Engineering, 2014, 24, 279-288.	0.6	4
115	Augmenting interventional ultrasound using statistical shape model for guiding percutaneous nephrolithotomy: Initial evaluation in pigs. Neurocomputing, 2014, 144, 58-69.	6.2	2
116	Relationship of EMG/SMG features and muscle strength level: an exploratory study on tibialis anterior muscles during plantar-flexion among hemiplegia patients. BioMedical Engineering OnLine, 2014, 13, 5.	2.8	21
117	The Sensitive and Efficient Detection of Quadriceps Muscle Thickness Changes in Cross-Sectional Plane Using Ultrasonography: A Feasibility Investigation. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 628-635.	6.9	22
118	Back propagation neural network dehazing. , 2014, , .		15
119	A New Approach to Detect Congestive Heart Failure Using Short-Term Heart Rate Variability Measures. PLoS ONE, 2014, 9, e93399.	2.5	65
120	A Portable Low-Power 7-Lead ECG Recorder with a New Analogue Front-End IC. IFMBE Proceedings, 2014, , 100-104.	0.0	1
121	An optical tracker based robot registration and servoing method for ultrasound guided percutaneous renal access. BioMedical Engineering OnLine, 2013, 12, 47.	2.8	18
122	Automatic thickness estimation for skeletal muscle in ultrasonography: evaluation of two enhancement methods. BioMedical Engineering OnLine, 2013, 12, 6.	2.8	22
123	Graphene/polydimethylsiloxane nanocomposite strain sensor. Review of Scientific Instruments, 2013, 84, 105005.	1.4	71
124	Sample entropy characteristics of movement for four foot types based on plantar centre of pressure during stance phase. BioMedical Engineering OnLine, 2013, 12, 101.	2.8	26
125	An efficient framework for estimation of muscle fiber orientation using ultrasonography. BioMedical Engineering OnLine, 2013, 12, 98.	2.8	6
126	Balance and knee extensibility evaluation of hemiplegic gait using an inertial body sensor network. BioMedical Engineering OnLine, 2013, 12, 83.	2.8	16

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127	Automatic detection of respiratory rate from electrocardiogram, respiration induced plethysmography and 3D acceleration signals. Journal of Central South University, 2013, 20, 2423-2431.	3.1	17
128	Automatic Tracking of Aponeuroses and Estimation of Muscle Thickness in Ultrasonography: A Feasibility Study. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 1031-1038.	6.9	15
129	Pre-processing for muscle motion analysis: Adaptive guided image filtering for speckle reduction of ultrasound images. , 2013, 2013, 4026-9.		1
130	A Novel Nonlinear Regression Approach for Efficient and Accurate Image Matting. IEEE Signal Processing Letters, 2013, 20, 1078-1081.	3.7	17
131	Dynamic Propagation Channel Characterization and Modeling for Human Body Communication. Sensors, 2012, 12, 17569-17587.	4.0	36
132	Exploration and Implementation of a Pre-Impact Fall Recognition Method Based on an Inertial Body Sensor Network. Sensors, 2012, 12, 15338-15355.	4.0	52
133	A Low-Cost Body Inertial-Sensing Network for Practical Gait Discrimination of Hemiplegia Patients. Telemedicine Journal and E-Health, 2012, 18, 748-754.	3.0	39
134	Estimation of longitudinal muscle motion using a primal-dual algorithm. , 2012, , .		3
135	Realization of spatial compliant virtual fixture using eigenscrews. , 2012, 2012, 1506-9.		2
136	A Novel Recursive Bayesian Learning-Based Method for the Efficient and Accurate Segmentation of Video With Dynamic Background. IEEE Transactions on Image Processing, 2012, 21, 3865-3876.	10.2	35
137	<i>IN-SITU</i> CHARACTERIZATIONS OF 200 MHz RADIO FREQUENCY SIGNAL COUPLING WITH HUMAN BODY. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 285-294.	0.6	3
138	A review of non-contact, low-cost physiological information measurement based on photoplethysmographic imaging. , 2012, 2012, 2088-91.		31
139	Augmenting intraoperative ultrasound with preoperative magnetic resonance planning models for percutaneous renal access. BioMedical Engineering OnLine, 2012, 11, 60.	2.8	20
140	A Wearable Respiratory Biofeedback System Based on Generalized Body Sensor Network. Telemedicine Journal and E-Health, 2011, 17, 348-357.	3.0	48
141	Estimation of Respiration Rate from Three-Dimensional Acceleration Data Based on Body Sensor Network. Telemedicine Journal and E-Health, 2011, 17, 705-711.	3.0	84
142	Electrochemistry of praseodymium in LiF-CaF ₂ . Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 591-593.	1.5	14
143	A customized model for 3D human segmental kinematic coupling analysis by optoelectronic stereophotogrammetry. Science China Technological Sciences, 2010, 53, 2947-2953.	4.0	5
144	Representation of Vital Signs in Minimal Parameter Set. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0

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145	A Multiple-Hop Synchronization Protocol with Packet Reconstitution. , 2010, , .		4
146	A Wireless Biomedical Signal Interface System-on-Chip for Body Sensor Networks. IEEE Transactions on Biomedical Circuits and Systems, 2010, 4, 112-117.	4.5	120
147	Wireless Endoscopy: Technology and Design. Methods in Molecular Biology, 2010, 583, 221-246.	0.0	0
148	A wearable respiration monitoring system based on digital respiratory inductive plethysmography. , 2009, 2009, 4844-7.		24
149	A low-offset analogue front-end IC for multi-channel physiological signal acquisition. , 2009, 2009, 4473-6.		4
150	A low-frequency low-noise transceiver for human body channel communication. , 2009, , .		10
151	A CMOS Discrete-Time Reconfigurable Analogue ASIC for Low Power Biomedical Signal Filtering. , 2009, , .		1
152	Toward a mixed-signal reconfigurable ASIC for real-time activity recognition. , 2008, , .		2
153	Multichannel Reflective PPG Earpiece Sensor With Passive Motion Cancellation. IEEE Transactions on Biomedical Circuits and Systems, 2007, 1, 235-241.	4.5	93
154	<i>In Situ</i> Characterization of Two Wireless Transmission Schemes for Ingestible Capsules. IEEE Transactions on Biomedical Engineering, 2007, 54, 2020-2027.	4.4	43
155	Implementation of radiotelemetry in a lab-in-a-pill format. Lab on A Chip, 2006, 6, 39-45.	6.1	32
156	Biocompatibility of a Lab-on-a-Pill Sensor in Artificial Gastrointestinal Environments. IEEE Transactions on Biomedical Engineering, 2006, 53, 2333-2340.	4.4	46
157	Wireless Sensor Microsystem Design: A Practical Perspective. , 2006, , 373-397.		0
158	A Programmable Microsystem Using System-on-Chip for Real-time Biotelemetry. IEEE Transactions on Biomedical Engineering, 2005, 52, 1251-1260.	4.4	44
159	Implementation of Multichannel Sensors for Remote Biomedical Measurements in a Microsystems Format. IEEE Transactions on Biomedical Engineering, 2004, 51, 525-535.	4.4	116
160	Variable-rate data sampling for low-power microsystems using modified adams methods. IEEE Transactions on Signal Processing, 2003, 51, 3182-3190.	5.6	11
161	Toward a miniature wireless integrated multisensor microsystem for industrial and biomedical applications. IEEE Sensors Journal, 2002, 2, 628-635.	4.8	64
162	Metabolism of trans-ferulic acid by the white-rot fungus sporotrichum pulverulentum. Archives of Microbiology, 1981, 128, 349-354.	2.2	52

#	ARTICLE	IF	CITATIONS
163	An integrated sensor microsystem for industrial and biomedical applications. , 0, , .		18
164	Networked wireless microsystem for remote gastrointestinal monitoring. , 0, , .		4
165	An Energy-Efficient Receiver for Human Body Communication. Applied Mechanics and Materials, 0, 195-196, 84-89.	0.1	0