Benny Lo

List of Publications by Year
in descending order

188 papers	7,113 citations	159358 30 h-index	82410 72 g-index
192 all docs	192 docs citations	192 times ranked	8209 citing authors

#	Article	IF	Citations
1	Lightweight Internet of Things Device Authentication, Encryption, and Key Distribution Using End-to-End Neural Cryptosystems. IEEE Internet of Things Journal, 2022, 9, 14978-14987.	5.5	6
2	Emerging Wearable Interfaces and Algorithms for Hand Gesture Recognition: A Survey. IEEE Reviews in Biomedical Engineering, 2022, 15, 85-102.	13.1	81
3	Hybrid manifold-deep convolutional neural network for sleep staging. Methods, 2022, 202, 164-172.	1.9	10
4	Cross-Domain Self-Supervised Complete Geometric Representation Learning for Real-Scanned Point Cloud Based Pathological Gait Analysis. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1034-1044.	3.9	3
5	Task-Based LSTM Kinematic Modeling for a Tendon-Driven Flexible Surgical Robot. IEEE Transactions on Medical Robotics and Bionics, 2022, 4, 339-342.	2.1	11
6	A Novel Approach to Dining Bowl Reconstruction for Image-Based Food Volume Estimation. Sensors, 2022, 22, 1493.	2.1	8
7	Machine learning for technical skill assessment in surgery: a systematic review. Npj Digital Medicine, 2022, 5, 24.	5.7	45
8	Micro-object pose estimation with sim-to-real transfer learning using small dataset. Communications Physics, 2022, 5, .	2.0	5
9	Smart implanted access port catheter for therapy intervention with pH and lactate biosensors. Materials Today Bio, 2022, 15, 100298.	2.6	4
10	Feasibility of the automatic ingestion monitor (AIM-2) for infant feeding assessment: a pilot study among breast-feeding mothers from Ghana. Public Health Nutrition, 2022, 25, 2897-2907.	1.1	1
11	Real-Time and Cost-Effective Smart Mat System Based on Frequency Channel Selection for Sleep Posture Recognition in IoMT. IEEE Internet of Things Journal, 2022, 9, 21421-21431.	5.5	3
12	Egocentric Human Trajectory Forecasting With a Wearable Camera and Multi-Modal Fusion. IEEE Robotics and Automation Letters, 2022, 7, 8799-8806.	3.3	6
13	Human-Robot Shared Control for Surgical Robot Based on Context-Aware Sim-to-Real Adaptation. , 2022, , .		16
14	Cross-Subject and Cross-Modal Transfer for Generalized Abnormal Gait Pattern Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 546-560.	7.2	30
15	DBAN: Adversarial Network With Multi-Scale Features for Cardiac MRI Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2018-2028.	3.9	17
16	A Pervasive Respiratory Monitoring Sensor for COVID-19 Pandemic. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 11-16.	1.7	17
17	Counting Bites and Recognizing Consumed Food from Videos for Passive Dietary Monitoring. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1471-1482.	3.9	15
18	Towards a Snake-Like Flexible Robot for Endoscopic Submucosal Dissection. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 257-260.	2.1	16

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19	Food/Non-Food Classification of Real-Life Egocentric Images in Low- and Middle-Income Countries Based on Image Tagging Features. Frontiers in Artificial Intelligence, 2021, 4, 644712.	2.0	5
20	Electrical and Mechanical Characterization of Carbon-Based Elastomeric Composites for Printed Sensors and Electronics. , 2021, , .		3
21	Semi-Supervised Contrastive Learning for Generalizable Motor Imagery EEG Classification. , 2021, , .		12
22	A Soft Inflatable Elbow-Assistive Robot for Children with Cerebral Palsy. , 2021, , .		2
23	Small-form wearable device for long-term monitoring of cardiac sounds on the body surface. , 2021, , .		1
24	Artificial ear - a wearable device for the hearing impaired. , 2021, , .		1
25	Assessing Individual Dietary Intake in Food Sharing Scenarios with Food and Human Pose Detection. Lecture Notes in Computer Science, 2021, , 549-557.	1.0	3
26	Real-time Surgical Environment Enhancement for Robot-Assisted Minimally Invasive Surgery Based on Super-Resolution. , 2021, , .		8
27	Surgical Gesture Recognition Based on Bidirectional Multi-Layer Independently RNN with Explainable Spatial Feature Extraction. , 2021, , .		6
28	Deep3DRanker: A Novel Framework for Learning to Rank 3D Models with Self-Attention in Robotic Vision. , 2021, , .		0
29	Feasibility Validation on Healthy Adults of a Novel Active Vibrational Sensing Based Ankle Band for Ankle Flexion Angle Estimation. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 314-319.	1.7	1
30	Indoor Future Person Localization from an Egocentric Wearable Camera. , 2021, , .		3
31	Wearable ECG signal processing for automated cardiac arrhythmia classification using CFASEâ€based feature selection. Expert Systems, 2020, 37, e12432.	2.9	12
32	Epilepsy Seizure Prediction on EEG Using Common Spatial Pattern and Convolutional Neural Network. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 465-474.	3.9	157
33	Point2Volume: A Vision-Based Dietary Assessment Approach Using View Synthesis. IEEE Transactions on Industrial Informatics, 2020, 16, 577-586.	7.2	44
34	Design and Prototyping of a Bio-Inspired Kinematic Sensing Suit for the Shoulder Joint: Precursor to a Multi-DoF Shoulder Exosuit. IEEE Robotics and Automation Letters, 2020, 5, 540-547.	3.3	17
35	Towards Wearable and Flexible Sensors and Circuits Integration for Stress Monitoring. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2208-2215.	3.9	22
36	Smart Sensing for Surgery: From Tethered Devices to Wearables and Implantables. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 39-48.	1.2	8

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37	Distributed Force Control for Microrobot Manipulation via Planar Multiâ€Spot Optical Tweezer. Advanced Optical Materials, 2020, 8, 2000543.	3.6	15
38	Guest Editorial Data Science in Smart Healthcare: Challenges and Opportunities. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3041-3043.	3.9	8
39	Unsupervised Domain Adaptation for Position-Independent IMU Based Gait Analysis. , 2020, , .		5
40	Subject-Independent Slow Fall Detection with Wearable Sensors via Deep Learning. , 2020, , .		11
41	Data-Driven Microscopic Pose and Depth Estimation for Optical Microrobot Manipulation. ACS Photonics, 2020, 7, 3003-3014.	3.2	13
42	Image-Based Food Classification and Volume Estimation for Dietary Assessment: A Review. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1926-1939.	3.9	72
43	Automatic Microsurgical Skill Assessment Based on Cross-Domain Transfer Learning. IEEE Robotics and Automation Letters, 2020, 5, 4148-4155.	3.3	30
44	Improving Accuracy of Heart Failure Detection Using Data Refinement. Entropy, 2020, 22, 520.	1.1	4
45	Nonlinearity Compensation in A Multi-DoF Shoulder Sensing Exosuit For Real-Time Teleoperation. , 2020, , .		3
46	Development and Validation of an Objective, Passive Dietary Assessment Method for Estimating Food and Nutrient Intake in Households in Low- and Middle-Income Countries: A Study Protocol. Current Developments in Nutrition, 2020, 4, nzaa020.	0.1	15
47	A Noninvasive Blood Glucose Monitoring System Based on Smartphone PPG Signal Processing and Machine Learning. IEEE Transactions on Industrial Informatics, 2020, 16, 7209-7218.	7.2	74
48	A Novel Endoscope Design Using Spiral Technique for Robotic-Assisted Endoscopy Insertion. , 2020, , .		7
49	Supervised Semi-Autonomous Control for Surgical Robot Based on Banoian Optimization. , 2020, , .		18
50	An Artificial Neural Network Framework for Gait-Based Biometrics. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 987-998.	3.9	44
51	Roll-to-Roll processable OTFT-based Amplifier and Application for pH sensing. , 2019, , .		1
52	Visual Guidance and Automatic Control for Robotic Personalized Stent Graft Manufacturing. , 2019, , .		0
53	Towards a Fully Automatic Food Intake Recognition System Using Acoustic, Image Capturing and Glucose Measurements. , 2019, , .		3
54	A Novel Vision-based Approach for Dietary Assessment using Deep Learning View Synthesis. , 2019, , .		7

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55	Assessing Individual Dietary Intake in Food Sharing Scenarios with a 360 Camera and Deep Learning. , 2019, , .		16
56	Guest Editorial: Special Issue on Pervasive Sensing and Machine Learning for Mental Health. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2245-2246.	3.9	0
57	Depth Estimation based on a Single Close-up Image with Volumetric Annotations in the Wild: A Pilot Study. , 2019, , .		4
58	Tissue Oxygenation Sensor and an ActiveIn VitroPhantom for Sensor Validation. IEEE Sensors Journal, 2019, 19, 8233-8240.	2.4	7
59	A Deep Learning Approach on Gender and Age Recognition using a Single Inertial Sensor. , 2019, , .		12
60	Discriminative Information Added by Wearable Sensors for Early Screening - a Case Study on Diabetic Peripheral Neuropathy. , 2019, , .		7
61	EEG-based user identification system using 1D-convolutional long short-term memory neural networks. Expert Systems With Applications, 2019, 125, 259-267.	4.4	123
62	Introduction to the Special Issue on Wearable and Flexible Integrated Sensors for Screening, Diagnostics, and Treatment. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1300-1303.	2.7	3
63	Security and Privacy for the Internet of Medical Things Enabled Healthcare Systems: A Survey. IEEE Access, 2019, 7, 183339-183355.	2.6	157
64	Use of Near-infrared Spectroscopy and Implantable Doppler for Postoperative Monitoring of Free Tissue Transfer for Breast Reconstruction: A Systematic Review and Meta-analysis. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2437.	0.3	15
65	Neuroimaging and Machine Learning for Dementia Diagnosis: Recent Advancements and Future Prospects. IEEE Reviews in Biomedical Engineering, 2019, 12, 19-33.	13.1	76
66	Pervasive wearable device for free tissue transfer monitoring based on advanced data analysis: clinical study report. Journal of Biomedical Optics, 2019, 24, 1.	1.4	11
67	A Multi-sensor Fusion Approach for Intention Detection. Biosystems and Biorobotics, 2019, , 454-458.	0.2	0
68	A Self-Calibrated Tissue Viability Sensor for Free Flap Monitoring. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 5-14.	3.9	13
69	Markerless gait analysis based on a single RGB camera. , 2018, , .		38
70	Food volume estimation for quantifying dietary intake with a wearable camera. , 2018, , .		22
71	Guest Editorial - 13th Body Sensor Networks Symposium. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 3-4.	3.9	1
72	An artificial neural network framework for lower limb motion signal estimation with foot-mounted inertial sensors. , 2018, , .		6

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73	Automated epileptic seizure detection by analyzing wearable EEG signals using extended correlation-based feature selection. , 2018, , .		7
74	A fusion framework to estimate plantar ground force distributions and ankle dynamics. Information Fusion, 2018, 41, 255-263.	11.7	11
75	Hand Gesture Recognition with Inertial Sensors. , 2018, 2018, 3517-3520.		4
76	Food Volume Estimation Based on Deep Learning View Synthesis from a Single Depth Map. Nutrients, 2018, 10, 2005.	1.7	55
77	Tomographic probe for perfusion analysis in deep layer tissue. , 2018, , .		0
78	Pilot study: Free flap monitoring using a new tissue oxygen saturation (StO2) device. European Journal of Surgical Oncology, 2018, 44, 900.	0.5	1
79	Random Number Generation Using Inertial Measurement Unit Signals for On-Body IoT Devices. , 2018, , .		6
80	Preliminary study for hemodynamics monitoring using a wearable device network. , 2017, , .		2
81	A personalized air quality sensing system - a preliminary study on assessing the air quality of London underground stations. , 2017, , .		6
82	Secure key generation using gait features for Body Sensor Networks. , 2017, , .		27
83	A Deep Learning Approach to on-Node Sensor Data Analytics for Mobile or Wearable Devices. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 56-64.	3.9	337
84	Deep Learning for Health Informatics. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 4-21.	3.9	1,290
85	Wireless wearable self-calibrated sensor for perfusion assessment of myocutaneous tissue. , 2016, , .		7
86	A wearable sensing framework for improving personal and oral hygiene for people with developmental disabilities. , 2016, , .		7
87	Wireless wearable photoplethysmography sensors for continuous blood pressure monitoring. , 2016, , .		8
88	An integrated wearable robot for tremor suppression with context aware sensing. , 2016, , .		21
89	Deep learning for human activity recognition: A resource efficient implementation on low-power devices. , 2016, , .		145
90	Toward Pervasive Gait Analysis With Wearable Sensors: A Systematic Review. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1521-1537.	3.9	297

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91	Continuous Blood Pressure Measurement From Invasive to Unobtrusive: Celebration of 200th Birth Anniversary of Carl Ludwig. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1455-1465.	3.9	124
92	Guest Editorial: MobiHealth 2014, IEEE HealthCom 2014, and IEEE BHI 2014. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 731-732.	3.9	0
93	Transforming Health Care: Body Sensor Networks, Wearables, and the Internet of Things. IEEE Pulse, 2016, 7, 4-8.	0.1	39
94	Gait Analysis From a Single Ear-Worn Sensor: Reliability and Clinical Evaluation for Orthopaedic Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 882-892.	2.7	21
95	Return of functional mobility after an open tibial fracture. Bone and Joint Journal, 2015, 97-B, 1118-1125.	1.9	6
96	Real-time food intake classification and energy expenditure estimation on a mobile device. , 2015, , .		22
97	An unsupervised approach for gait-based authentication. , 2015, , .		18
98	Assessment of the e-AR sensor for gait analysis of Parkinson;s Disease patients. , 2015, , .		2
99	A low-power opportunistic communication protocol for wearable applications. , 2015, , .		0
100	A multi-sensor platform for monitoring diabetic peripheral neuropathy. , 2015, , .		3
101	Wearable Sensing for Solid Biomechanics. IEEE Sensors Journal, 2015, , 1-1.	2.4	55
102	Body Sensor Networks: In the Era of Big Data and Beyond. IEEE Reviews in Biomedical Engineering, 2015, 8, 4-16.	13.1	111
103	Imitation of Dynamic Walking with BSN for a Humanoid Robot. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1-1.	3.9	9
104	An On-Node Processing Approach for Anomaly Detection in Gait. IEEE Sensors Journal, 2015, 15, 6640-6649.	2.4	57
105	Assessing Arthroscopic Skills Using Wireless Elbow-Worn Motion Sensors. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1119-1127.	1.4	21
106	Markerless motion capture using appearance and inertial data. , 2014, 2014, 6907-10.		2
107	Autonomic body sensor networks. , 2014, , .		1
108	Gait asymmetry detection in older adults using a light ear-worn sensor. Physiological Measurement, 2014, 35, N29-N40.	1.2	18

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109	Unobtrusive Sensing and Wearable Devices for Health Informatics. IEEE Transactions on Biomedical Engineering, 2014, 61, 1538-1554.	2.5	607
110	Wearable Tissue Oxygenation Monitoring Sensor and a Forearm Vascular Phantom Design for Data Validation. , 2014, , .		15
111	Feature extraction from ear-worn sensor data for gait analysis. , 2014, , .		5
112	Validation of the e-AR Sensor for Gait Event Detection Using the Parotec Foot Insole with Application to Post-Operative Recovery Monitoring. , 2014, , .		12
113	Wireless Body Sensor for Objective Assessment of Surgical Performance on a Standardised FLS Task. , 2014, , .		1
114	Autonomic Sensing. , 2014, , 405-462.		0
115	Unsupervised routine profiling in free-living conditions — Can smartphone apps provide insights?. , 2013, , .		1
116	Bioinspired Design for Body Sensor Networks [Life Sciences]. IEEE Signal Processing Magazine, 2013, 30, 165-170.	4.6	15
117	An Ear-Worn Sensor for the Detection of Gait Impairment After Abdominal Surgery. Surgical Innovation, 2013, 20, 86-94.	0.4	11
118	Effect of acute exacerbations on skeletal muscle strength and physical activity in cystic fibrosis. Journal of Cystic Fibrosis, 2012, 11, 209-215.	0.3	27
119	Validation of an ear-worn sensor for gait monitoring using a force-plate instrumented treadmill. Gait and Posture, 2012, 35, 674-676.	0.6	46
120	Can pervasive sensing address current challenges in global healthcare?. Journal of Epidemiology and Global Health, 2012, 2, 1.	1.1	39
121	An Intelligent Food-Intake Monitoring System Using Wearable Sensors. , 2012, , .		83
122	Distributed inferencing with ambient and wearable sensors. Wireless Communications and Mobile Computing, 2012, 12, 117-131.	0.8	3
123	Detection and Analysis of Transitional Activity in Manifold Space. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 119-128.	3.6	17
124	Observing Recovery from Knee-Replacement Surgery by Using Wearable Sensors. , 2011, , .		28
125	Human Back Movement Analysis Using BSN. , 2011, , .		8
126	Direction sensitive fall detection using a triaxial accelerometer and a barometric pressure sensor. , 2011, 2011, 369-72.		83

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127	Sensor Positioning for Activity Recognition Using Wearable Accelerometers. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 320-329.	2.7	331
128	Ear-worn body sensor network device: an objective tool for functional postoperative home recovery monitoring. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 156-159.	2.2	23
129	WISDOM: wheelchair inertial sensors for displacement and orientation monitoring. Measurement Science and Technology, 2011, 22, 105801.	1.4	28
130	Energy Expenditure Prediction Using a Miniaturized Ear-Worn Sensor. Medicine and Science in Sports and Exercise, 2011, 43, 1369-1377.	0.2	22
131	Validation Of An Ear Worn Sensor For Activity Monitoring In COPD. , 2010, , .		4
132	Sensor Placement for Activity Detection Using Wearable Accelerometers. , 2010, , .		110
133	Deployment of wireless sensors for remote elderly monitoring. , 2010, , .		4
134	Swimming Stroke Kinematic Analysis with BSN. , 2010, , .		46
135	RACKET: Real-time autonomous computation of kinematic elements in tennis. , 2009, , .		3
136	Bayesian Analysis of Sub-plantar Ground Reaction Force with BSN. , 2009, , .		15
137	Real-Time Activity Classification Using Ambient and Wearable Sensors. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 1031-1039.	3.6	79
138	Development of a Wireless Sensor Glove for Surgical Skills Assessment. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 673-679.	3.6	53
139	Body Sensor Networks for Monitoring Rowing Technique. , 2009, , .		22
140	Transitional Activity Recognition with Manifold Embedding. , 2009, , .		10
141	Detecting Walking Gait Impairment with an Ear-worn Sensor. , 2009, , .		44
142	Establishing affective human robot interaction through contextual information. , 2009, , .		0
143	An integrated multi-sensing framework for pervasive healthcare monitoring. , 2009, , .		17
144	Experimental platform for usability testing of secure medical sensor network protocols. , 2008, , .		2

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145	Toward a mixed-signal reconfigurable ASIC for real-time activity recognition. , 2008, , .		2
146	Gaussian Process Prediction for Cross Channel Consensus in Body Sensor Networks. , 2008, , .		3
147	Pattern mining for routine behaviour discovery in pervasive healthcare environments. , 2008, , .		21
148	Wirelessly accessible sensor populations (WASP) for elderly care monitoring. , 2008, , .		19
149	ClimBSN: Climber performance monitoring with BSN. , 2008, , .		23
150	Real-time intra-operative 3D tissue deformation recovery. , 2008, , .		10
151	Probabilistic decision level fusion for real-time correlation of ambient and wearable sensors. , 2008, , .		7
152	An integrated inferencing framework for context sensing. , 2008, , .		1
153	From computers to ubiquitous computing by 2010: health care. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3805-3811.	1.6	18
154	Belief Propagation for Depth Cue Fusion in Minimally Invasive Surgery. Lecture Notes in Computer Science, 2008, 11, 104-112.	1.0	11
155	Wirelessly Accessible Sensor Populations (WASP) for Elderly Care Monitoring. , 2008, , .		12
156	Body sensor networks - research challenges and opportunities. , 2007, , .		35
157	Multichannel Reflective PPG Earpiece Sensor With Passive Motion Cancellation. IEEE Transactions on Biomedical Circuits and Systems, 2007, 1, 235-241.	2.7	90
158	A Pervasive Body Sensor Network for Measuring Postoperative Recovery at Home. Surgical Innovation, 2007, 14, 83-90.	0.4	81
159	Designing a Posture Analysis System with Hardware Implementation. Journal of Signal Processing Systems, 2007, 47, 33-45.	1.0	3
160	Real-Time Pervasive Monitoring for Postoperative Care. IFMBE Proceedings, 2007, , 122-127.	0.2	37
161	Embedded Real-Time Heart Variability Analysis. , 2007, , 128-132.		6
162	Behaviour Profiling with Ambient and Wearable Sensing. , 2007, , 133-138.		23

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163	Reflective Photoplethysmograph Earpiece Sensor for Ubiquitous Heart Rate Monitoring. , 2007, , 179-183.		7
164	Ambient and Wearable Sensor Fusion for Activity Recognition in Healthcare Monitoring Systems. , 2007, , 208-212.		60
165	Eye-Gaze Driven Surgical Workflow Segmentation. , 2007, 10, 110-117.		41
166	A Probabilistic Framework for Tracking Deformable Soft Tissue in Minimally Invasive Surgery. , 2007, 10, 34-41.		38
167	Body Sensor Networks: Infrastructure for Life Science Sensing Research. , 2006, , .		11
168	Autonomic Sensing. , 2006, , 333-372.		2
169	Pervasive healthcare: clinical drive, technological innovations, and socio-economic benefits. , 2005, , .		1
170	Blurring the boundaries: scenario-based simulation in a clinical setting. Medical Education, 2005, 39, 580-587.	1.1	103
171	Architecture for body sensor networks. , 2005, , .		23
172	PRISMATICA: Toward Ambient Intelligence in Public Transport Environments. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 164-182.	3.4	85
173	Invisible Shadow for Navigation and Planning in Minimal Invasive Surgery. Lecture Notes in Computer Science, 2005, 8, 25-32.	1.0	18
174	Context aware sensing - what's the significance?. , 2005, , .		8
175	PRISMATICA: a multi-sensor surveillance system for public transport networks. , 2004, , .		17
176	A flexible communications protocol for a distributed surveillance system. Journal of Network and Computer Applications, 2004, 27, 221-253.	5.8	8
177	Real-Time Photo-Realistic Rendering for Surgical Simulations with Graphics Hardware. Lecture Notes in Computer Science, 2004, , 346-352.	1.0	9
178	Photorealistic Rendering of Large Tissue Deformation for Surgical Simulation. Lecture Notes in Computer Science, 2004, , 355-362.	1.0	4
179	From sensor networks to behaviour profiling: a homecare perspective of intelligent buildings. , 2004, , .		13
180	Episode Classification for the Analysis of Tissue/Instrument Interaction with Multiple Visual Cues. Lecture Notes in Computer Science, 2003, , 230-237.	1.0	23

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181	A Distributed Surveillance System for Improving Security in Public Transport Networks. Measurement and Control, 2002, 35, 209-213.	0.9	14
182	Automatic congestion detection system for underground platforms. , 0, , .		136
183	Current issues of photorealistic rendering for virtual and augmented reality in minimally invasive surgery. , 0, , .		6
184	Custom hardware architectures for posture analysis. , 0, , .		1
185	Towards Image-Based Modeling for Ambient Sensing. , 0, , .		3
186	Pervasive Body Sensor Network: An Approach to Monitoring the Post-operative Surgical Patient. , 0, , .		43
187	Source Recovery for Body Sensor Network. , 0, , .		14
188	A Spatio-Temporal Architecture for Context Aware Sensing. , 0, , .		15