

Guillaume Lopez

List of Publications by Year in descending order

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66
papers

424
citations

1162889

8
h-index

887953

17
g-index

70
all docs

70
docs citations

70
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting forward leaning posture using eSense and developing a posture improvement promoting system. , 2021, , .		3
2	Prediction of Eating Activity using Smartwatch. , 2021, , .		3
3	Automatic Segmentation Method of Bone Conduction Sound for Eating Activity Detailed Detection. , 2021, , .		1
4	Coremoni-WE: Individual Core Training Monitoring and Support System Using an IMU at the Waist and the Ear. , 2021, , .		1
5	Estimating the Degree of Mental State using Heart Rate while Studying. , 2021, , .		0
6	Classification of Eating Behaviors in Unconstrained Environments. Communications in Computer and Information Science, 2021, , 592-609.	0.4	0
7	ExerSense: Physical Exercise Recognition and Counting Algorithm from Wearables Robust to Positioning. Sensors, 2021, 21, 91.	2.1	19
8	ExerSense: Real-Time Physical Exercise Segmentation, Classification, and Counting Algorithm Using an IMU Sensor. Smart Innovation, Systems and Technologies, 2021, , 239-255.	0.5	8
9	Classification Method of Eating Behavior by Dietary Sound Collected in Natural Meal Environment. Smart Innovation, Systems and Technologies, 2021, , 135-152.	0.5	0
10	VR Dodge-ball: Application of Real-time Gesture Detection from Wearables to ExerGaming. , 2020, , .		3
11	Proposing a System to Supporting for Kitchen Knife Skill Improvement using Acceleration Sensor. , 2020, , .		0
12	Effect of Person-specific Biometrics in Improving Generic Stress Predictive Models. Sensors and Materials, 2020, 32, 703.	0.3	22
13	Detailed Classification of Meal-related Activities from Eating Sound Collected in Free Living Conditions. , 2020, , .		1
14	Model for Thermal Comfort and Energy Saving Based on Individual Sensation Estimation. Sensors and Materials, 2020, 32, 693.	0.3	3
15	On-Site Personal Sport Skill Improvement Support Using Only a Smartwatch. , 2019, , .		11
16	Importance of Individual Differences in Physiological-Based Stress Recognition Models. , 2019, , .		6
17	Affect-aware thermal comfort provision in intelligent buildings. , 2019, , .		4
18	Robust classification of eating sound collected in natural meal environment. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	Optimized Classification Model for Efficient Recognition of Meal-Related Activities in Daily Life Meal Environment. , 2019, , .		4
20	Effect of Feedback Medium for Real-time Mastication Awareness Increase using Wearable Sensors. , 2019, , .		4
21	Thermal Comfort and Stress Recognition in Office Environment. , 2019, , .		11
22	eGenjiko: Scent Matching Game using a Computer-Controlled Censer. , 2019, , .		1
23	YKOB: Participatory Sensing-Based Road Condition Monitoring Using Smartphones Worn by Cyclist. Electronics and Communications in Japan, 2018, 101, 3-14.	0.3	4
24	Heart rate variability as a predictive biomarker of thermal comfort. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1465-1477.	3.3	65
25	Conceptual Design of a Collective Energy-Efficient Physiologically-Controlled System for Thermal Comfort Delivery in an Office Environment. SICE Journal of Control Measurement and System Integration, 2018, 11, 312-320.	0.4	3
26	Development of a Wearable Thermo-Conditioning Device Controlled by Human Factors Based Thermal Comfort Estimation. , 2018, , .		2
27	PQRS. , 2018, , .		0
28	Influence of Hedonic State Visualization on Self and Surroundings. , 2018, , .		0
29	Smartphone Application Usage Prediction Using Cellular Network Traffic. , 2018, , .		2
30	Development and Evaluation of a Low-Energy Consumption Wearable Wrist Warming Device. International Journal of Automation Technology, 2018, 12, 911-920.	0.5	5
31	Data model for health telemonitoring and persuasive system design. International Journal of Intelligent Information and Database Systems, 2017, 10, 4.	0.3	0
32	Computational Paradigms for Mental Health. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-2.	0.7	1
33	Evaluation of Heart Rate in Daily Life Based on 10 Million Samples Database. Global Journal of Health Science, 2017, 9, 105.	0.1	5
34	YKOB: Participatory Sensing based Road Condition Monitoring using Smartphones worn by Cyclist. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 658-666.	0.1	1
35	Effect of direct neck cooling on psychological and physiological state in summer heat environment. Mechanical Engineering Journal, 2016, 3, 15-00537-15-00537.	0.2	6
36	Trajectory reconstruction algorithm based on sensor fusion between IMU and strain gauge for stand-alone digital pen. , 2016, , .		4

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37	A Method to Detect Accurately Falling Asleep and Awakening Time. , 2016, , .		2
38	Development of a wrist-band type device for low-energy consumption and personalized thermal comfort. , 2016, , .		5
39	Clustering for Road Damage Locations Obtained by Smartphone Accelerometers. , 2016, , .		5
40	Wearable Equipment Development for Individually Adaptive Temperature-conditioning. Journal of the Japan Society for Precision Engineering, 2016, 82, 919-924.	0.0	6
41	Handwriting Command Recognition and Digital Operation Using Digitalized Pen. Journal of Communication and Computer, 2016, 13, .	0.1	0
42	Accurate road damage classification based on real signal mother wavelet of acceleration signal. , 2015, , .		3
43	Development of pen based interface system for digital operation. , 2015, , .		2
44	WeC-4-4 Digital Operation through Pen based Interface System. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2015, 2015, _WeC-4-4-1-_WeC-4-4-3.	0.0	1
45	1P2-R05 Handwriting estimation using strain gauges and application to message transfer. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2015, 2015, _1P2-R05_1-_1P2-R05_4.	0.0	2
46	WeC-3-1 EFFECT OF DIRECT NECK COOLING ON PSYCHOLOGICAL AND PHYSIOLOGICAL STATE. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2015, 2015, _WeC-3-1-1-_WeC-3-1-3.	0.0	0
47	vCity Map: Crowdsensing towards visible cities. , 2014, , .		8
48	Can Sequence Mining Improve Your Morning Mood? Toward a Precise Non-invasive Smart Clock. , 2014, , .		2
49	Detection of Road Damage using Signals of Smartphone-Embedded Accelerometer while Cycling. , 2014, , .		8
50	A Database of Japanese Emotional Signals Elicited by Real Experiences. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 3-12.	0.2	2
51	Workplace Stress Estimation from Physiological Indices in Real Situation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 13-22.	0.2	2
52	Detection of Behaviors Related to Blood Pressure Change Using 6-Axis Kinetic Sensor. , 2013, , .		0
53	Wearable sensing systems for healthcare monitoring. , 2012, , .		13
54	Validity and Usefulness of Wearable Blood Pressure Sensing' for Detection of Inappropriate Short-Term Blood Pressure Variability in the Elderly Impact of Cognitive Function and Stress Response. Transactions of the Japanese Society for Artificial Intelligence, 2012, 27, 40-45.	0.1	1

#	ARTICLE	IF	CITATIONS
55	J165042 Accuracy Increase of Pulse Transmission Time Extraction by Motion Artifact Elimination. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J165042-1- _J165042-3.	0.0	0
56	Relation Between Blood Pressure Estimated by Pulse Wave Velocity and Directly Measured Arterial Pressure. Journal of Robotics and Mechatronics, 2012, 24, 811-819.	0.5	8
57	New healthcare society supported by wearable sensors and information mapping-based services. International Journal of Networking and Virtual Organisations, 2011, 9, 233.	0.2	12
58	Collaborative Processing of Wearable and Ambient Sensor System for Blood Pressure Monitoring. Sensors, 2011, 11, 6760-6770.	2.1	24
59	Continuous Blood Pressure Monitoring in Daily Life. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2010, 4, 179-186.	0.3	28
60	Wearable Eating Habit Sensing System Using Internal Body Sound. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2010, 4, 158-166.	0.3	54
61	BIO-05 CONTINUOUS BLOOD PRESSURE MONITORING IN DAILY LIFE(Bio-medical Equipments II,Technical) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 223-224.	0.0	0
62	BIO-04 WEARABLE EATING HABIT SENSING USING SOUND INFORMATION(Bio-medical Equipments) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 221-222.	0.0	0
63	Continuous blood pressure measurement in daily activities. , 2009, , .		4
64	Discrimination of eating habits with a wearable bone conduction sound recorder system. , 2009, , .		6
65	Human recorder system development for sensing the autonomic nervous system. , 2008, , .		10
66	PW-01 Wearable system for outdoor environmental information and air floating particle matter monitoring. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2003, 2003, 289-290.	0.0	0