

# Jeong-Whan Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

535  
citations

759055

12  
h-index

713332

21  
g-index

61  
all docs

61  
docs citations

61  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditions for Textile Electrode Sensors to Monitor Cardiac Activity in Daily Life. Journal of Electrical Engineering and Technology, 2022, 17, 3045-3055.	1.2	1
2	Conditions for CNT “ Coated Textile Sensors Applied to Wearable Platforms to Monitor Limb Joint Motion. Journal of Medical Systems, 2021, 45, 41.	2.2	2
3	Development of a Chest-Belt-Type Biosignal-Monitoring Wearable Platform System. Journal of Electrical Engineering and Technology, 2020, 15, 1847-1855.	1.2	2
4	Pre-processing of Photoplethysmographic Waveform for Amplitude Regularization. Journal of Electrical Engineering and Technology, 2019, 14, 1741-1748.	1.2	3
5	Garment function module to reduce motion artifacts in heart-activity-sensing clothing based on a magnetic-induced conductivity sensing method. Textile Reseach Journal, 2018, 88, 2190-2205.	1.1	2
6	Semi-real-time removal of baseline fluctuations in electrocardiogram (ECG) signals by an infinite impulse response low-pass filter (IIR-LPF). Journal of Supercomputing, 2018, 74, 6785-6793.	2.4	7
7	Detection of pulse-wave foot of photoplethysmography by projection mapping. , 2018, , .		0
8	Assessment of Chaotic-Threshold Model on Integral Pulse Frequency Modulation for HRV Analysis. Transactions of the Korean Institute of Electrical Engineers, 2017, 66, 581-586.	0.1	0
9	A Design of Infant's Body Temperature Sensing System Based on Embroidery Textile Conductive Wire. Transactions of the Korean Institute of Electrical Engineers, 2016, 65, 862-867.	0.1	0
10	Removal of baseline wandering in ECG signal by improved detrending method. Bio-Medical Materials and Engineering, 2015, 26, S1087-S1093.	0.4	12
11	Development of textile electrode for electrocardiogram measurement based on conductive electrode configuration. Fibers and Polymers, 2015, 16, 2148-2157.	1.1	6
12	Efficacy of computer-assisted, 3D motion-capture toothbrushing instruction. Clinical Oral Investigations, 2015, 19, 1389-1394.	1.4	7
13	The Effect of Electrode Designs Based on the Anatomical Heart Location for the Non-Contact Heart Activity Measurement. Journal of Medical Systems, 2015, 39, 191.	2.2	5
14	Application of a Textile-based Inductive Sensor for the Vital Sign Monitoring. Journal of Electrical Engineering and Technology, 2015, 10, 364-371.	1.2	9
15	A practical method for the detection of freezing of gait in patients with Parkinson's disease. Clinical Interventions in Aging, 2014, 9, 1709.	1.3	19
16	Measurement of high-resolution mechanical contraction of cardiac muscle by induced eddy current. , 2014, 2014, 6286-9.		0
17	The Effect of Textile-Based Inductive Coil Sensor Positions for Heart Rate Monitoring. Journal of Medical Systems, 2014, 38, 2.	2.2	46
18	Magneto-Plethysmographic Sensor for Peripheral Blood Flow Velocity. IEEE Sensors Journal, 2014, 14, 1341-1342.	2.4	19

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19	Physiological Status Assessment of Locomotive Engineer During Train Operation. Journal of Electrical Engineering and Technology, 2014, 9, 324-333.	1.2	1
20	Baseline Drift Reduction and Suppression of Power Line Noises in ECG Signal by Designing Multirate Digital Filter. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 551-558.	0.1	1
21	Development of the Electrodermal Activity Monitoring System for the Evaluation of Train Driver's Arousal State. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1286-1293.	0.1	0
22	A assessment of multiscale-based peak detection algorithm using MIT/BIH Arrhythmia Database. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1441-1447.	0.1	0
23	Study of the Wearable Electrocardiogram Measuring System using Capacitive-coupled Electrode. Transactions of the Korean Institute of Electrical Engineers, 2014, 63, 1448-1454.	0.1	0
24	Effects of medication and deep brain stimulation on speed and amplitude are different between finger and forearm in patient with Parkinson's disease. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1201-1207.	1.1	1
25	Implementing Graphic User Interface System for Microwave Radiometry Data to Utilize Breast Cancer Diagnosis. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 818-824.	0.1	1
26	Suppressing Artefacts in the ECG by Independent Component Analysis. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 825-832.	0.1	0
27	Estimation of PTT (Pulse Transit Time) by Multirate Filtering Analysis. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1020-1026.	0.1	0
28	Prediction of energy consumption according to physical activity intensity in daily life using accelerometer. International Journal of Precision Engineering and Manufacturing, 2012, 13, 617-621.	1.1	7
29	Effects of vision, age and gender on structural and global posturographic features during quiet standing. International Journal of Precision Engineering and Manufacturing, 2012, 13, 969-975.	1.1	15
30	Toothbrushing Region Detection Using Three-Axis Accelerometer and Magnetic Sensor. IEEE Transactions on Biomedical Engineering, 2012, 59, 872-881.	2.5	21
31	Analysis of lower limb bradykinesia in Parkinson's disease patients. Geriatrics and Gerontology International, 2012, 12, 257-264.	0.7	31
32	A Study Concerning Analysis of Arousal State of locomotive Engineering During Operating Train. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 891-898.	0.1	3
33	Design of Noninvasive Arterial Blood Pressure Measurement System by Using Double-Cuffs Oscillometric Method. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 885-890.	0.1	0
34	Estimation of Heart Rate Variability with an Android Smart Phone Platform. Transactions of the Korean Institute of Electrical Engineers, 2012, 61, 865-871.	0.1	2
35	Prioritizing problem features in Korean patients with senile dementia for implementation of monitoring technologies. Psychiatry Research, 2011, 187, 418-423.	1.7	1
36	Heart Monitoring Garments Using Textile Electrodes for Healthcare Applications. Journal of Medical Systems, 2011, 35, 189-201.	2.2	40

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37	SPECT reconstruction with subâ€sinogram acquisitions. International Journal of Imaging Systems and Technology, 2011, 21, 247-252.	2.7	0
38	Quantitative assessment of toothbrushing education efficacy using smart toothbrush. , 2011, , .		2
39	Development of fall Detection System by Estimating the Amount of Impact and the Status of Torso Posture of the Elderly. Transactions of the Korean Institute of Electrical Engineers, 2011, 60, 1204-1208.	0.1	1
40	Portable Activity Monitoring System for Temporal Parameters of Gait Cycles. Journal of Medical Systems, 2010, 34, 959-966.	2.2	59
41	Interactive toothbrushing education by a smart toothbrush system via 3D visualization. Computer Methods and Programs in Biomedicine, 2009, 96, 125-132.	2.6	28
42	Reusable Electrical Activity of the Heart Monitoring Patch for Mobile/Ubiquitous Healthcare. Journal of Medical Systems, 2009, 33, 41-46.	2.2	3
43	Human Sensibility Evaluation Using Photoplethysmogram (PPG). , 2009, , .		5
44	Tooth brushing Pattern Classification using Three-Axis Accelerometer and Magnetic Sensor for Smart Toothbrush. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4211-4.	0.5	11
45	Human Sensibility Evaluation Algorithm Based on the Personality-group Templates of EEGs. International Conference on Advanced Communication Technology, 2007, , .	0.0	0
46	Wearable Accelerometer System for Measuring the Temporal Parameters of Gait. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 483-6.	0.5	40
47	Asymmetric Skin-to-Electrode Impedance Characteristics of Concentric Circular Ring Electrode for Monitoring of Electrical Activity of the Heart. , 2006, , .		3
48	Image Segmentation of Human Forearms in Infrared Image. , 2006, 2006, 2762-5.		4
49	Development of Smart Toothbrush Monitoring System for Ubiquitous Healthcare. , 2006, 2006, 6422-5.		15
50	Measurements and Characterization of Cerenkov Light in Fiber-Optic Radiation Sensor Irradiated by High-Energy Electron Beam. Japanese Journal of Applied Physics, 2006, 45, 7980-7982.	0.8	17
51	Evaluation of Optical Properties for Development of Ultrahigh-Resolution Flexible Contact Endoscope. Japanese Journal of Applied Physics, 2006, 45, 8943-8945.	0.8	3
52	A Simple Optical Angular Sensors to Measure the Human Joint Angle. , 2006, , .		14
53	Development of Smart Toothbrush Monitoring System for Ubiquitous Healthcare. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
54	Thermo-visual Evaluation of the Yin-Tang Acupuncture Point for Intracranial Hypertension Syndrome. The American Journal of Chinese Medicine, 2003, 31, 455-466.	1.5	12

#	ARTICLE	IF	CITATIONS
55	A novel design of thermal anomaly for mammary gland tumor phantom for microwave radiometer. IEEE Transactions on Biomedical Engineering, 2002, 49, 694-699.	2.5	8
56	A Real Time QRS Detection Using Delay-Coordinate Mapping for the Microcontroller Implementation. Annals of Biomedical Engineering, 2002, 30, 1140-1151.	1.3	33
57	The study on the web-based Clinical Database Management System of Oriental Pulse Waveform. Journal of Medical Systems, 2001, 25, 277-284.	2.2	3
58	Development of a Web-based picture archiving and communication system using satellite data communication. Journal of Telemedicine and Telecare, 2000, 6, 91-96.	1.4	9
59	Power spectral estimation of HRV in patients with vasovagal syncope using time-frequency analysis. , 0, , .		0
60	Development of reference-based fast stereo matching system for the 3D endoscopic images. , 0, , .		1