

Akinori Ueno

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

727
citations

840776

11
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610901

24
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70
all docs

70
docs citations

70
times ranked

809
citing authors

#	ARTICLE	IF	CITATIONS
1	FPGA-Based Processor for Continual Capacitive-Coupling Impedance Spectroscopy and Circuit Parameter Estimation. <i>Sensors</i> , 2022, 22, 4406.	3.8	2
2	Cuffless Continuous Estimation of Relative Mean Arterial Pressure Using Unrestrained and Noncontact Ballistocardiogram and Electrocardiogram: Evaluation in Short Time In-bed Experiments. <i>Advanced Biomedical Engineering</i> , 2021, 10, 36-50.	0.6	2
3	Non-Contact Measurements of Electrocardiogram and Cough-Associated Electromyogram from the Neck Using In-Pillow Common Cloth Electrodes: A Proof-of-Concept Study. <i>Sensors</i> , 2021, 21, 812.	3.8	7
4	Short-Time Impedance Spectroscopy Using a Mode-Switching Nonsinusoidal Oscillator: Applicability to Biological Tissues and Continuous Measurement. <i>Sensors</i> , 2021, 21, 6951.	3.8	2
5	Physical Model-based Study on Non-Contact Electrocardiogram Measurement of Low Birth Weight Infants in Incubators through a Cloth. , 2021, , .		1
6	Noncontact Simultaneous Measurement of Cough-Associated Electromyogram, Electrocardiogram, and Body Proximity Using an In-Bed Fabric-Sheet Electrode. , 2021, , .		0
7	Electrical stimulation of the vagus nerve improves intestinal blood flow after trauma and hemorrhagic shock. <i>Surgery</i> , 2020, 167, 638-645.	1.9	13
8	Non-contact Measurements of Blink-Associated Electrooculogram Using In-Pillow Cloth Electrodes: Potential Application as a Communication Aid. , 2020, 2020, 4147-4150.		1
9	Capacitive-Coupling Impedance Spectroscopy Using a Non-Sinusoidal Oscillator and Discrete-Time Fourier Transform: An Introductory Study. <i>Sensors</i> , 2020, 20, 6392.	3.8	2
10	Measurement of Vagus Nerve Response to Transcutaneous Electrical Ear Canal Stimulation in Anesthetized Rat. , 2020, 2020, 5216-5219.		2
11	Simultaneous Measurements of Capacitive Electrocardiogram and Ballistocardiogram Using In-Bed Fabric Sheet Electrode for Blood Pressure Estimation. , 2020, 2020, 4543-4546.		1
12	A Novel Analog Front End with Voltage-Dependent Input Impedance and Bandpass Amplification for Capacitive Biopotential Measurements. <i>Sensors</i> , 2020, 20, 2476.	3.8	10
13	Noncontact In-Bed Measurements of Physiological and Behavioral Signals Using an Integrated Fabric-Sheet Sensing Scheme. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 618-630.	6.3	38
14	Feasibility Study on Fabric-Sheet Unified Sensing Electrode for Non-Contact In-Bed Measurements of ECG, Body Proximity and Respiratory Movement. <i>Proceedings (mdpi)</i> , 2019, 15, .	0.2	0
15	Non-Contact Capacitive Ballistocardiogram Measurements Using In-Bed Fabric-Sheet Electrode for Blood Pressure Estimation. , 2019, 2019, 1155-1158.		7
16	Timer for Pressure Ulcer Prevention. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2019, 139, 634-635.	0.2	0
17	Non-contact measurements of diaphragm electromyogram, electrocardiogram and respiratory variations with sheet-type fabric electrodes for neonatal monitoring. , 2018, , .		7
18	Measurement System for Detecting Action Potential to Electrical Vagus Nerve Stimulation. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Design and Validation of Front-End Voltage Follower for Capacitive Electrocardiogram Measurement Using Bootstrapping Technique. , 2018, 2018, 5780-5783.		4
20	Bootstrapped Non-Inverting Front-End Amplifier for Capacitive Electrocardiogram Measurement. , 2018, , .		6
21	Sensitivity Improvement of Respiratory Movement Detection in Non-contact In-Bed Cardiopulmonary Measurements During Sleep. IFMBE Proceedings, 2018, , 19-25.	0.3	1
22	Stability improvement and noise suppression in non-contact in-bed electrocardiogram measurement using laminated feedback electrode. , 2017, , .		3
23	Non-Contact Measurement of Electrocardiogram in Neonates and Infants Using Sheet-Type Fabric Electrodes with Modified Driven-Seat Ground. Proceedings (mdpi), 2017, 1, .	0.2	0
24	Non-Contact Simultaneous Measurements of Electrocardiogram and Respiratory Movements Using Capacitive Sheet Electrodes. Advanced Biomedical Engineering, 2017, 6, 28-36.	0.6	23
25	Effect of Automatic Gain Control on Non-Contact Capacitive Measurement of Respiratory Movements during Sleep. Proceedings (mdpi), 2017, 1, 830.	0.2	0
26	Artifact Tolerance Test for Capacitive Wearable Chest-Belt Electrocardiograph. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 607-615.	0.2	5
27	A pharmacologic approach to vagal nerve stimulation prevents mesenteric lymph toxicity after hemorrhagic shock. Journal of Trauma and Acute Care Surgery, 2015, 78, 52-59.	2.1	15
28	High gamma band activity in noninvasively measured EEG preceding anti-saccade initiation. , 2014, , .		0
29	Integrated Circuits and Electrode Interfaces for Noninvasive Physiological Monitoring. IEEE Transactions on Biomedical Engineering, 2014, 61, 1522-1537.	4.2	93
30	Bed Occupancy Monitor System Using Capacitively Coupled Electrodes. Transactions of the Society of Instrument and Control Engineers, 2014, 50, 622-624.	0.2	0
31	Concentric bipolar active electrode for noninvasive biopotential measurement in autonomic nervous system. , 2013, , .		0
32	Development of a Compact Wireless Laplacian Electrode Module for Electromyograms and Its Human Interface Applications. Sensors, 2013, 13, 2368-2383.	3.8	12
33	Multi-layered fabric electrode for movement artifact reduction in capacitive ECG measurement. , 2013, 2013, 555-8.		16
34	Performance evaluation of electroencephalograph with negative capacitance converter. , 2012, , .		1
35	Underwater Electromyographic Measurement Using a Waterproof Insulated Electrode. Advanced Biomedical Engineering, 2012, 1, 81-88.	0.6	12
36	Detecting deteriorated vigilance using percentage of eyelid closure time during behavioral maintenance of wakefulness tests. International Journal of Psychophysiology, 2011, 82, 269-274.	1.0	77

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37	Evaluation of blood flow velocity envelope in common carotid artery for reference data. Biomedical Signal Processing and Control, 2011, 6, 209-215.	5.7	8
38	A wearable ECG-HR detector and its application to automatic assist-mode selection of an electrically assisted bicycle. , 2011, 2011, 6903-6.		4
39	Control of Five Finger of Computer Graphics Hand Using Electromyographic Signal Measured with Multi-channelled Small Laplacian Electrodes. Communications in Computer and Information Science, 2011, , 166-170.	0.5	0
40	Complementary Bandwidth Extension Method Using Analog Forward and Digital Inverse Filters and Its Application to Noncontact ECG Measurement. IEEE Transactions on Electronics, Information and Systems, 2011, 131, 1966-1974.	0.2	0
41	Investigation of effects of ways of using muscles on performance of fine handwork. , 2009, , .		0
42	A Wearable capacitive heart-rate monitor for controlling electrically assisted bicycle. , 2009, , .		9
43	An Analysis of Saccadic Eye Movements and Facial Images for Assessing Vigilance Levels During Simulated Driving. Lecture Notes in Computer Science, 2009, , 451-460.	1.3	2
44	Unconstrained monitoring of ECG and respiratory variation in infants with underwear during sleep using a bed-sheet electrode unit. , 2008, 2008, 2329-32.		17
45	Influence of Sound Pressure Level of Beep Stimulation on Arousal Effect. Transactions of the Society of Instrument and Control Engineers, 2008, 44, 871-877.	0.2	1
46	A Capacitive Sensor System for Measuring Laplacian Electromyogram through Cloth: A Pilot Study. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5732-5.	0.5	8
47	Development of a Wireless Capacitive Sensor for Ambulatory ECG Monitoring over Clothes. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5728-31.	0.5	26
48	Capacitive Sensing of Electrocardiographic Potential Through Cloth From the Dorsal Surface of the Body in a Supine Position: A Preliminary Study. IEEE Transactions on Biomedical Engineering, 2007, 54, 759-766.	4.2	155
49	A New Implementation Method of the Reverse Engineering Algorithm to Elucidate Gene Functional Dependencies. IEEE Transactions on Electronics, Information and Systems, 2007, 127, 1712-1718.	0.2	0
50	A Primary Study of Indirect ECG Monitor Embedded in a Bed for Home Health Care. IEEE Transactions on Electronics, Information and Systems, 2007, 127, 1792-1799.	0.2	11
51	A Fundamental Study of Capacitive-Type Electrocardiograph Capable of Detecting the Signal from the Supine and Lateral Positions. Journal of Life Support Engineering, 2007, 19, 180-180.	0.0	0
52	Simulation of Mach-Effect Illusion Using Three-Layered Retinal Cell Model and Monte Carlo Method. IEEE Transactions on Electronics, Information and Systems, 2007, 127, 1699-1704.	0.2	0
53	Effect of Gaze and Auditory Stimulation on Body Sway Direction during Standing. IEEE Transactions on Electronics, Information and Systems, 2007, 127, 1800-1805.	0.2	5
54	Development and Evaluation of a Wireless Interface for Inputting Characters Using Laplacian EMG. , 2006, 2006, 2518-21.		3

#	ARTICLE	IF	CITATIONS
55	An Application of Capacitive Electrode for Detecting Electrocardiogram of Neonates and Infants. , 2006, 2006, 916-9.		40
56	A Noncontact Measurement of Saccadic Eye Movement with Two High-speed Cameras. , 2006, 2006, 5583-6.		7
57	An Analysis of Eye Movement and Facial Image for Assessing Drowsiness Level during Simulated Driving. Journal of Life Support Engineering, 2006, 18, 124-124.	0.0	0
58	A Noncontact Measurement of Saccadic Eye Movement with Two High-speed Cameras. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
59	Development and Evaluation of a Wireless Interface for Inputting Characters Using Laplacian EMG. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
60	Development of Character Input Interface using Laplacian EMG with Wireless Active Electrode. Journal of Life Support Engineering, 2005, 17, 40-40.	0.0	0
61	Detection of Electrocardiogram by Electrodes with Fabrics Using Capacitive Coupling. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1664-1671.	0.2	18
62	Measurement of Electrocardiogram by Electrodes with Fabric. Journal of Life Support Engineering, 2004, 16, 253-254.	0.0	0
63	Development of a Back-Leading Electrocardiograph Using Capacitive Coupling. Journal of Life Support Engineering, 2004, 16, 219-220.	0.0	0
64	Re-evaluation of tropicamide in the pupillary response test for Alzheimer's disease. Neurobiology of Aging, 2003, 24, 789-796.	3.1	34
65	Dynamics of saccadic eye movement depending on diurnal variation in human alertness. Systems and Computers in Japan, 2002, 33, 95-103.	0.2	9
66	Title is missing!. Journal of Life Support Engineering, 2002, 14, 101-106.	0.0	0
67	A New Pupillometer with an Auto Focus System by Using Pupil and Iris Area. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 1651-1657.	0.2	0
68	Parametric Analysis of Visually Triggered Saccade Depending on Vigilance States. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 861-868.	0.2	0
69	Low invasive measurement of electrocardiogram for newborns and infants. , 0, , .		5