

Hiroaki Ishizawa

List of Publications by Year in descending order

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papers

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26
all docs

26
docs citations

26
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Pulse Wave Signals and Blood Pressure by a Plastic Optical Fiber FBG Sensor. Sensors, 2019, 19, 5088.	3.8	48
2	Influence of Individual Differences on the Calculation Method for FBG-Type Blood Pressure Sensors. Sensors, 2017, 17, 48.	3.8	32
3	Wireless, Portable Fiber Bragg Grating Interrogation System Employing Optical Edge Filter. Sensors, 2019, 19, 3222.	3.8	30
4	Verification of Non-Invasive Blood Glucose Measurement Method Based on Pulse Wave Signal Detected by FBG Sensor System. Sensors, 2017, 17, 2702.	3.8	27
5	Vital Sign Measurement Using Covered FBG Sensor Embedded into Knitted Fabric for Smart Textile. Journal of Fiber Science and Technology, 2017, 73, 300-308.	0.4	19
6	Influence on Calculated Blood Pressure of Measurement Posture for the Development of Wearable Vital Sign Sensors. Journal of Sensors, 2017, 2017, 1-10.	1.1	16
7	Fabrication of Optical Fiber Embedded Knitted Fabrics for Smart Textiles. Journal of Textile Engineering, 2016, 62, 129-134.	0.2	14
8	Stress Loading Detection Method Using the FBG Sensor for Smart Textile. Journal of Fiber Science and Technology, 2017, 73, 276-283.	0.4	14
9	Measurement of Pulse Rate and Respiration Rate Using Fiber Bragg Grating Sensor. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 1101-1105.	0.2	13
10	Classification of Pulse Wave Signal Measured by FBG Sensor for Vascular Age and Arteriosclerosis Estimation. IEEE Sensors Journal, 2020, 20, 2485-2491.	4.7	12
11	Influence on Measurement Signal by Pressure and Viscosity Changes of Fluid and Installation Condition of FBG Sensor Using Blood Flow Simulation Model. IEEE Sensors Journal, 2019, 19, 11946-11954.	4.7	8
12	Measurement of Pulsation Strain at the Fingertip Using a Plastic FBG Sensor. IEEE Sensors Journal, 2021, 21, 21537-21545.	4.7	8
13	Simultaneous Measurement of Heart Sound, Pulse Wave and Respiration with Single Fiber Bragg Grating Sensor. , 2018, , .		7
14	Development of Smart Textiles for Self-Monitoring Blood Glucose by Using Optical Fiber Sensor. Journal of Fiber Science and Technology, 2020, 76, 104-112.	0.4	6
15	Verification of Blood Pressure Monitoring System Using Optical Fiber Sensor. Journal of Fiber Science and Technology, 2020, 76, 79-87.	0.4	4
16	Study on Pulse Wave Pattern for Blood Pressure Prediction Using FBG Sensor. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 189-197.	0.2	3
17	Measurement Signal Analysis at Each Pulsation Point of Living Body by FBG Sensor. , 2020, , .		2
18	Improvement of Blood Pressure Prediction Using Artificial Neural Network. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Verification of Non-invasive Blood Glucose Measurement Based on Pulse Wave by FBG Sensor System. Transactions of the Society of Instrument and Control Engineers, 2021, 57, 314-323.	0.2	1
20	Evaluation of Molecular Structure in Each Processing Step of Cashmere Fibers Based on IR Spectroscopy. , 2018, , .		0
21	Influence of Installing Method on Pulse Wave Signal in Blood Pressure Prediction by FBG Sensor. , 2018, , .		0
22	Construction and Operational Evaluation of a Plant Imaging System Using Ultra-wideband Frequency Ranging from X-ray to Terahertz. Agricultural Information Research, 2021, 29, 62-69.	0.2	0
23	Title is missing!. Journal of Textile Engineering, 2009, 55, 23-28.	0.2	0
24	Wearable Vital Sign Sensing System for Healthcare Environment. Journal of Japan Institute of Electronics Packaging, 2020, 23, 378-382.	0.1	0
25	Verification of embedding conditions for FBG sensor into textile product for the development of wearable healthcare sensor. Technology and Health Care, 2022, , 1-12.	1.2	0