

# Masamichi Nogawa

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

175  
citations

1307594

7  
h-index

1199594

12  
g-index

25  
all docs

25  
docs citations

25  
times ranked

137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reagentless Estimation of Urea and Creatinine Concentrations Using Near-Infrared Spectroscopy for Spot Urine Test of Urea-to-Creatinine Ratio. <i>Advanced Biomedical Engineering</i> , 2018, 7, 72-81.	0.6	10
2	Derivation of Light Scattering Properties of Whole Blood from Classical Density Functional Theory. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2018, 54, 458-466.	0.2	0
3	Adaptive control with self-tuning for non-invasive beat-by-beat blood pressure measurement. , 2011, 2011, 4344-7.		1
4	Non-invasive measurement of instantaneous blood pressure in dorsalis pedis artery based on the volume-compensation technique. , 2011, , .		2
5	Attempt of a novel calibration method of pulse oximetry using support vector machines regression. , 2009, 2009, 1485-8.		0
6	A Novel Hip Protector Material With High Impact Force Attenuation: Leak-Allowed Air Cushion. <i>Journal of Biomechanical Science and Engineering</i> , 2009, 4, 443-455.	0.3	1
7	A New Method for Determining the Servo Reference Value (Vo) of the Volume-Compensation Method. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2354-6.	0.5	2
8	Development of non-invasive and ambulatory physiological monitoring systems for ubiquitous health care. , 2007, , .		3
9	Experimental and Numerical Study on Optimal Spot-electrodes Arrays in Transthoracic Electrical Impedance Cardiography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4580-3.	0.5	3
10	Assessment of Slow-breathing Relaxation Technique in Acute Stressful Tasks Using a Multipurpose Non-invasive Beat-by-Beat Cardiovascular Monitoring System. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5323-5.	0.5	6
11	Support Vector Machines as Multivariate Calibration Model for Prediction of Blood Glucose Concentration Using a New Non-invasive Optical Method Named Pulse Glucometry. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4561-3.	0.5	6
12	Accuracy Assessment of a Noninvasive Device for Monitoring Beat-by-Beat Blood Pressure in the Radial Artery Using the Volume-Compensation Method. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 1892-1895.	4.2	26
13	Assessment of Stress-Induced Hemodynamic Responses Using Multipurpose Non-invasive Continuous Cardiovascular Monitoring System. , 2006, Suppl, 6537-9.		1
14	An Optimal Spot-electrodes Array for Electrical Impedance Cardiography Through Determination of Impedance Mapping of a Regional Area along the Medial Line on the Thorax. , 2006, 2006, 3202-5.		5
15	Feasibility Study of a Urine Glucose Level Monitor for Home Healthcare Using Near Infrared Spectroscopy. , 2006, 2006, 6001-3.		3
16	Noninvasive measurement of instantaneous, radial artery blood pressure. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2005, 24, 32-37.	0.8	24
17	Development of an optical arterial hematocrit measurement method: pulse hematometry. , 2005, 2005, 2634-6.		6
18	Title is missing!. <i>Journal of Life Support Engineering</i> , 2005, 17, 111-116.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Development of a tissue oxygen consumption measurement method based on near-infrared photoplethysmography. , 2004, 2004, 2227-30.		3
20	Development of a Compact, Sealless, Tripod Supported, Magnetically Driven Centrifugal Blood Pump. Artificial Organs, 2000, 24, 501-505.	1.9	11
21	Ex Vivo Evaluation of a Roller Screw Linear Muscle Actuator for an Implantable Ventricular Assist Device Using Trained and Untrained Latissimus Dorsi Muscles. Artificial Organs, 1999, 23, 262-267.	1.9	4
22	Ultracompact, Completely Implantable Permanent Use Electromechanical Ventricular Assist Device and Total Artificial Heart. Artificial Organs, 1999, 23, 253-261.	1.9	10
23	Measurement of Blood Hematocrit Inside the Magnetically Suspended Centrifugal Pump Using an Optical Technique: Application to Assessment of Pump Flow. Artificial Organs, 1999, 23, 490-495.	1.9	8
24	<title>New hybrid reflectance optical pulse oximetry sensor for lower oxygen saturation measurement and for broader clinical application</title>. , 1997, , .		8
25	Control of Centrifugal Blood Pump Based on the Motor Current. Artificial Organs, 1997, 21, 655-660.	1.9	32