

Hiroyuki Nakamoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1561737/publications.pdf>

Version: 2024-02-01

54
papers

342
citations

1307366

7
h-index

1058333

14
g-index

55
all docs

55
docs citations

55
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint angle measurement by stretchable strain sensor. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 14623-14628.	3.3	8
2	Food Texture Measurement System Using Rod Type Actuator for Imitation of Human Mastication. International Journal of Automation Technology, 2022, 16, 421-426.	0.5	0
3	Sum of variance for quantifying the variation of multiple sequential data for the crispness evaluation of chicken nugget. Journal of Texture Studies, 2021, 52, 470-479.	1.1	0
4	A Magnetic Food Texture Sensor and Comparison of the Measurement Data of Chicken Nuggets. Sensors, 2021, 21, 3310.	2.1	5
5	Wearable Band-Shaped Device and Detection Algorithm for Laryngeal Elevation in Mendelsohn Maneuver. IEEE Sensors Journal, 2021, 21, 14352-14359.	2.4	3
6	Validity of a novel respiratory rate monitor comprising stretchable strain sensors during a 6-min walking test in patients with chronic pulmonary obstructive disease. Respiratory Medicine, 2021, 190, 106675.	1.3	0
7	Measurement of laryngeal elevation time using a flexible surface stretch sensor. Journal of Oral Rehabilitation, 2020, 47, 1489-1495.	1.3	0
8	Development of Magnetic Food Texture Sensor with Spring and Sliding Mechanism. , 2020, , .		3
9	Monitoring respiratory rates with a wearable system using a stretchable strain sensor during moderate exercise. Medical and Biological Engineering and Computing, 2019, 57, 2741-2756.	1.6	31
10	Inspection of illumination pillar using ultrasonic guided wave by electromagnetic acoustic transducer. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 1487-1493.	0.3	0
11	Laryngeal Elevation Measurement for Dysphagia Rehabilitation by Stretchable Strain Sensors. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 655-661.	0.1	0
12	Food Texture Quantification of Tempura Using Magnetic Food Texture Sensor and Time-series Data. Sensors and Materials, 2019, 31, 2357.	0.3	1
13	Food texture evaluation using logistic regression model and magnetic food texture sensor. Journal of Food Engineering, 2018, 222, 20-28.	2.7	10
14	Food Texture Quantification Using a Magnetic Food Texture Sensor and Dynamic Time Warping. Food Science and Technology Research, 2018, 24, 257-263.	0.3	1
15	Wearable Lumbar-Motion Monitoring Device with Stretchable Strain Sensors. Journal of Sensors, 2018, 2018, 1-7.	0.6	10
16	Development of a Measurement Device Using a Sheet Stretch Sensor for Chest Wall Motion. The Japanese Journal of Rehabilitation Medicine, 2018, 55, 348-357.	0.0	2
17	Robot-human handover based on motion prediction of human. , 2017, , .		2
18	Rapid Prototyping Human Interfaces Using Stretchable Strain Sensor. Journal of Sensors, 2017, 2017, 1-9.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Method for measuring tri-axial lumbar motion angles using wearable sheet stretch sensors. PLoS ONE, 2017, 12, e0183651.	1.1	16
20	Estimation method using genetic programming for location and depth on distributed tactile sensor. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1221-1229.	0.3	0
21	Tactile texture classification using magnetic tactile sensor. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1673-1679.	0.3	5
22	Pick-Up Motion Based on Vision and Tactile Information in Hand/Arm Robot. , 2016, , .		2
23	Stretchable strain sensor for distributed strain measurement and design of measurement circuit. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1681-1688.	0.3	0
24	Magnetic Food Texture Sensor Incorporating Human Tooth Structure. Journal of the Japanese Society for Food Science and Technology, 2016, 63, 268-273.	0.1	1
25	Human motion caption with vision and inertial sensors for hand/arm robot teleoperation. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1629-1636.	0.3	5
26	Stretchable Strain Sensor With Anisotropy and Application for Joint Angle Measurement. IEEE Sensors Journal, 2016, 16, 3572-3579.	2.4	40
27	The Flexible Interface Using a Stretch Sensor. Procedia Manufacturing, 2015, 3, 845-849.	1.9	1
28	Stretchable Strain Sensor Based on Areal Change of Carbon Nanotube Electrode. IEEE Sensors Journal, 2015, 15, 2212-2218.	2.4	37
29	Vision based grasping system with universal jamming hand. , 2015, , .		5
30	Development of Food Texture Sensor Using Two Magnetic Sensing Elements. , 2015, , .		2
31	Design and response performance of capacitance meter for stretchable strain sensor. , 2015, , .		5
32	Estimation of Displacement and Rotation by Magnetic Tactile Sensor Using Stepwise Regression Analysis. Journal of Sensors, 2014, 2014, 1-7.	0.6	1
33	Reliability evaluation of pipe thickness measurement by electromagnetic acoustic transducer. International Journal of Applied Electromagnetics and Mechanics, 2014, 45, 923-929.	0.3	3
34	Application of stretchable strain sensor for pneumatic artificial muscle. , 2014, , .		7
35	Slip based pick-and-place by universal robot hand with force/torque sensors. , 2014, , .		1
36	Motion capture with inertial measurement units for hand/arm robot teleoperation. International Journal of Applied Electromagnetics and Mechanics, 2014, 45, 931-937.	0.3	9

#	ARTICLE	IF	CITATIONS
37	Hand/Arm Robot Teleoperation by Inertial Motion Capture. , 2013, , .		12
38	Slip detection using robot fingertip with 6-axis force/torque sensor. , 2013, , .		8
39	A study on tactile texture recognition using magnetic type tactile sensor. , 2013, , .		1
40	Application of magnetic type tactile sensor to gripper. , 2013, , .		3
41	Development of haptic device for five-fingered robot hand teleoperation. , 2013, , .		6
42	Evaluation of Circle Diameter by Distributed Tactile Information in Active Tracing. Journal of Sensors, 2013, 2013, 1-7.	0.6	1
43	Structure and fundamental evaluation of magnetic type tactile sensor. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 1021-1026.	0.3	5
44	Multipoint haptic device for robot hand teleoperation. , 2012, , .		4
45	Multiple joints reference for robot finger control in robot hand teleoperation. , 2012, , .		10
46	Slip detection with multi-axis force/torque sensor in universal robot hand. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 1047-1054.	0.3	7
47	Tactile-based object manipulation (TbOM) for a multi-fingered robot hand. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 1055-1061.	0.3	0
48	A magnetic type tactile sensor by GMR elements and inductors. , 2010, , .		21
49	Development of multi-fingered universal robot hand with torque limiter mechanism. , 2009, , .		24
50	Outer shape classification in rotation manipulation by Universal Robot Hand. , 2009, , .		0
51	Shape Classification in Continuous Rotation Manipulation by Universal Robot Hand. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 178-184.	0.5	2
52	Shape classification in rotation manipulation by universal robot hand. , 2008, , .		5
53	Development of an Articulated Mechanical Hand with Enveloping Grasp Capability. Journal of Robotics and Mechatronics, 2007, 19, 308-314.	0.5	3
54	Shape Classification using Tactile Information in Rotation Manipulation by Universal Robot Hand. , 0, , .		7