Seiichi takamatsu

List of Publications by Year
in descending order

65	1,378	516710 16	330143 37
papers	citations	h-index	g-index

65	65	65	2103
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable MEMS Sensor Nodes for Animal Health Monitoring System. , 2022, , 283-305.		0
2	Stress concentration-relocating interposer in electronic textile packaging using thermoplastic elastic polyurethane film with via holes for bearing textile stretch. Scientific Reports, 2022, 12, .	3.3	3
3	Glove-shaped wearable device using flexible MEMS sensor. , 2022, , .		3
4	Study on Wiring and Mounting Structures for Smart Suits with Actuators. , 2022, , .		0
5	Urethane-Foam-Embedded Silicon Pressure Sensors including Stress-Concentration Packaging Structure for Driver Posture Monitoring. Sensors, 2022, 22, 4495.	3.8	1
6	Development of Noncontact Body Temperature Monitoring and Prediction System for Livestock Cattle. IEEE Sensors Journal, 2021, 21, 9367-9376.	4.7	17
7	Valve-Actuator-Integrated Reference Electrode for an Ultra-Long-Life Rumen pH Sensor. Sensors, 2020, 20, 1249.	3.8	7
8	Long wavy copper stretchable interconnects fabricated by continuous microcorrugation process for wearable applications. Engineering Reports, 2020, 2, e12143.	1.7	4
9	Pilot Study on the Development of a New Wearable Tactile Feedback Device for Welding Skills Training. Communications in Computer and Information Science, 2020, , 123-128.	0.5	1
10	Cantilever structure placed in liquid sandwiched between soft-thin membranes to realize wide bandwidth harvester. Applied Physics Letters, 2019, 115, 183902.	3.3	0
11	Stretchable Wavy Piezoelectric Sensor Fabricated by Micro-Corrugation Process. , 2019, , .		1
12	Plastic-scale-model assembly of ultrathin film MEMS piezoresistive strain sensor with conventional vacuum-suction chip mounter. Scientific Reports, 2019, 9, 1893.	3.3	9
13	Electrolyte-Flow-Controlled Reference Electrode using Hydrogen Pressure for an Ultra-Long-Life Rumen pH Sensor. , 2019, , .		0
14	Printed strain sensors for early damage detection in engineering structures. Japanese Journal of Applied Physics, 2018, 57, 05GD05.	1.5	10
15	Development of Flexible Piezoelectric Strain Sensor Array. Electrical Engineering in Japan (English) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	11
16	Flexible Contact Pressure Sensor based on Ultrathin Piezoresistive Silicon Membrane Capable of Strain Compensation. Sensors and Materials, 2018, 30, 2999.	0.5	2
17	Meter-scale Flexible Touch Sensor Using Projection Capacitive Measurement Technique and Fabric Electrode for Human Position Detection. Sensors and Materials, 2018, 30, 3039.	0.5	1
18	Printed strain sensor with temperature compensation and its evaluation with an example of applications in structural health monitoring. Japanese Journal of Applied Physics, 2017, 56, 05EC02.	1.5	24

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19	Soft-rubber-packaged Pb(Zr,Ti)O₃MEMS touch sensors for humanâ€“machine interface applications. Japanese Journal of Applied Physics, 2017, 56, 04CC04.	1.5	5
20	A Simple and Scalable Fabrication Method for Organic Electronic Devices on Textiles. Journal of Visualized Experiments, 2017, , .	0.3	0
21	Thin-film flexible sensor for omnidirectional strain measurements. Sensors and Actuators A: Physical, 2017, 263, 391-397.	4.1	24
22	Printed strain sensor array for application to structural health monitoring. Smart Materials and Structures, 2017, 26, 105040.	3.5	44
23	Development of Flexible Piezoelectric Strain Sensor Array. IEEJ Transactions on Sensors and Micromachines, 2017, 137, 438-443.	0.1	1
24	Cutaneous Recording and Stimulation of Muscles Using Organic Electronic Textiles. Advanced Healthcare Materials, 2016, 5, 2001-2006.	7.6	30
25	Wearable Keyboard Using Conducting Polymer Electrodes on Textiles. Advanced Materials, 2016, 28, 4485-4488.	21.0	159
26	Ultra-Thin Piezoelectric Strain Sensor Array Integrated on a Flexible Printed Circuit Involving Transfer Printing Methods. IEEE Sensors Journal, 2016, 16, 8840-8846.	4.7	49
27	Printed carbon-based sensors array for measuring 2D dynamic strain distribution and application in structural health monitoring. , 2016, , .		1
28	Ultra-thin piezoelectric strain sensor array integrated on flexible printed circuit for structural health monitoring. , 2016, , .		3
29	Mechanical characterization of biomedical electrode on knit textile. , 2016, , .		2
30	Fabrication and evaluation of LED-embedded ribbons for highly flexible lighting applications in rooms. Microsystem Technologies, 2016, 22, 1079-1087.	2.0	3
31	Meter-scale large-area capacitive pressure sensors with fabric with stripe electrodes of conductive polymer-coated fibers. Microsystem Technologies, 2016, 22, 451-457.	2.0	16
32	Direct patterning of organic conductors on knitted textiles for long-term electrocardiography. Scientific Reports, 2015, 5, 15003.	3.3	145
33	Fabrication of fabric LED array. , 2015, , .		0
34	Piezoelectric strain sensor array fabricated by transfer printing methods. , 2015, , .		5
35	Meter-scale large area LED-embedded light fabric for the application of fabric ceilings in rooms. Microsystem Technologies, 2015, 21, 1209-1217.	2.0	3
36	Simple micro-patterning of high conductive polymer with UV-nano-imprinted patterned substrate and ethylene glycol-based second doping. Journal of Micromechanics and Microengineering, 2014, 24, 045024.	2.6	1

#	Article	IF	Citations
37	Meter-scale pressure sensor array with woven conductive-polymer-coated fibers. , 2014, , .		2
38	Piezoelectric PVDF film switch to activate event-driven system for chicken health monitoring. , 2014, , .		1
39	Antistiction technique using elastomer contact structure in woven electronic textiles. Japanese Journal of Applied Physics, 2014, 53, 04EK03.	1.5	1
40	Development of reel-to-reel microchip mounting system for fabrication of meter-long LED lighting tapes. Microsystem Technologies, 2014, 20, 2247-2253.	2.0	1
41	Lightweight flexible keyboard with a conductive polymer-based touch sensor fabric. Sensors and Actuators A: Physical, 2014, 220, 153-158.	4.1	30
42	Fabrication and evaluation of a conductive polymer coated elastomer contact structure for woven electronic textile. Sensors and Actuators A: Physical, 2013, 195, 213-218.	4.1	27
43	High-Throughput and Low-Cost Fabrication of Polymer Microscanner for Lighting Applications. Japanese Journal of Applied Physics, 2013, 52, 106701.	1.5	1
44	High-Speed Coating Method for Photovoltaic Textiles with Closed-Type Die Coater. Japanese Journal of Applied Physics, 2013, 52, 060201.	1.5	4
45	Unique Activity-Meter with Piezoelectric Poly(vinylidene difluoride) Films and Self Weight of the Sensor Nodes. Japanese Journal of Applied Physics, 2013, 52, 09KD15.	1.5	12
46	All Polymer Piezoelectric Film for Low Resonance Frequency Vibration Driven Energy Harvesting Application. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 285-289.	0.1	1
47	Research on Electrical Contact Structures for Woven Electronic Textiles at BEANS Project. Journal of Japan Institute of Electronics Packaging, 2013, 16, 96-100.	0.1	0
48	Improvement of Electrical Contact Reliability by Conductive Polymer Coated Elastomer Structure in Woven Electronic Textiles. Japanese Journal of Applied Physics, 2012, 51, 120204.	1.5	3
49	Fabrication of conductive polymer coated elastomer contact structures using a reel-to-reel continuous fiber process. IEICE Electronics Express, 2012, 9, 1442-1447.	0.8	4
50	Fabric pressure sensor array fabricated with die-coating and weaving techniques. Sensors and Actuators A: Physical, 2012, 184, 57-63.	4.1	112
51	Novel MEMS Devices Based on Conductive Polymers. Electrochemical Society Interface, 2012, 21, 63-66.	0.4	4
52	Improvement of Electrical Contact Reliability by Conductive Polymer Coated Elastomer Structure in Woven Electronic Textiles. Japanese Journal of Applied Physics, 2012, 51, 120204.	1.5	4
53	All Polymer Piezoelectric Film for the Application to Low Resonance Frequency Energy Harvester. Procedia Engineering, 2011, 25, 203-206.	1.2	7
54	The photo charge of a bacterioRhodopsin electrochemical cells measured by a charge amplifier. IEICE Electronics Express, 2011, 8, 505-511.	0.8	5

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55	Micro-patterning of a conductive polymer and an insulation polymer using the Parylene lift-off method for electrochromic displays. Journal of Micromechanics and Microengineering, 2011, 21, 075021.	2.6	22
56	Photosensitive protein patterning with electrophoretic deposition. IEICE Electronics Express, 2010, 7, 779-784.	0.8	3
57	Fabrication and demonstration of an electrochromic voxel array for a volume display prototype. IEICE Electronics Express, 2010, 7, 920-924.	0.8	0
58	Transparent conductive-polymer strain sensors for touch input sheets of flexible displays. Journal of Micromechanics and Microengineering, 2010, 20, 075017.	2.6	58
59	Liquid-Phase Packaging of a Glucose Oxidase Solution with Parylene Direct Encapsulation and an Ultraviolet Curing Adhesive Cover for Glucose Sensors. Sensors, 2010, 10, 5888-5898.	3.8	10
60	Patterning PEDOT:PSS with Parylene Peel-off Method. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 394-400.	0.1	4
61	Encapsulation Method of Glucose Oxidase Solution with Ionic Liquid Solvent and Direct Parylene Deposition. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 562-569.	0.1	4
62	Fabrication and Demonstration of an Organic Electrochromic Volume Display Prototype. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 550-551.	0.1	0
63	Flexible, organic light-pen input device with integrated display. Sensors and Actuators B: Chemical, 2008, 135, 122-127.	7.8	22
64	Enzymatic sensing with organic electrochemical transistors. Journal of Materials Chemistry, 2008, 18, 116-120.	6.7	317
65	Simple glucose sensors with micromolar sensitivity based on organic electrochemical transistors. Sensors and Actuators B: Chemical, 2007, 123, 374-378.	7.8	134