

# Seiichi takamatsu

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,378  
citations

516710

16  
h-index

330143

37  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic sensing with organic electrochemical transistors. <i>Journal of Materials Chemistry</i> , 2008, 18, 116-120.	6.7	317
2	Wearable Keyboard Using Conducting Polymer Electrodes on Textiles. <i>Advanced Materials</i> , 2016, 28, 4485-4488.	21.0	159
3	Direct patterning of organic conductors on knitted textiles for long-term electrocardiography. <i>Scientific Reports</i> , 2015, 5, 15003.	3.3	145
4	Simple glucose sensors with micromolar sensitivity based on organic electrochemical transistors. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 374-378.	7.8	134
5	Fabric pressure sensor array fabricated with die-coating and weaving techniques. <i>Sensors and Actuators A: Physical</i> , 2012, 184, 57-63.	4.1	112
6	Transparent conductive-polymer strain sensors for touch input sheets of flexible displays. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 075017.	2.6	58
7	Ultra-Thin Piezoelectric Strain Sensor Array Integrated on a Flexible Printed Circuit Involving Transfer Printing Methods. <i>IEEE Sensors Journal</i> , 2016, 16, 8840-8846.	4.7	49
8	Printed strain sensor array for application to structural health monitoring. <i>Smart Materials and Structures</i> , 2017, 26, 105040.	3.5	44
9	Lightweight flexible keyboard with a conductive polymer-based touch sensor fabric. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 153-158.	4.1	30
10	Cutaneous Recording and Stimulation of Muscles Using Organic Electronic Textiles. <i>Advanced Healthcare Materials</i> , 2016, 5, 2001-2006.	7.6	30
11	Fabrication and evaluation of a conductive polymer coated elastomer contact structure for woven electronic textile. <i>Sensors and Actuators A: Physical</i> , 2013, 195, 213-218.	4.1	27
12	Printed strain sensor with temperature compensation and its evaluation with an example of applications in structural health monitoring. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05EC02.	1.5	24
13	Thin-film flexible sensor for omnidirectional strain measurements. <i>Sensors and Actuators A: Physical</i> , 2017, 263, 391-397.	4.1	24
14	Flexible, organic light-pen input device with integrated display. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 122-127.	7.8	22
15	Micro-patterning of a conductive polymer and an insulation polymer using the Parylene lift-off method for electrochromic displays. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 075021.	2.6	22
16	Development of Noncontact Body Temperature Monitoring and Prediction System for Livestock Cattle. <i>IEEE Sensors Journal</i> , 2021, 21, 9367-9376.	4.7	17
17	Meter-scale large-area capacitive pressure sensors with fabric with stripe electrodes of conductive polymer-coated fibers. <i>Microsystem Technologies</i> , 2016, 22, 451-457.	2.0	16
18	Unique Activity-Meter with Piezoelectric Poly(vinylidene difluoride) Films and Self Weight of the Sensor Nodes. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 09KD15.	1.5	12

#	ARTICLE	IF	CITATIONS
19	Development of Flexible Piezoelectric Strain Sensor Array. Electrical Engineering in Japan (English) Tj ETQq1 1 0.784314 rgBT J/Overloc 0,4 11		
20	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
21	Printed strain sensors for early damage detection in engineering structures. Japanese Journal of Applied Physics, 2018, 57, 05GD05.	1.5	10
22	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
23	All Polymer Piezoelectric Film for the Application to Low Resonance Frequency Energy Harvester. Procedia Engineering, 2011, 25, 203-206.	1.2	7
24	Valve-Actuator-Integrated Reference Electrode for an Ultra-Long-Life Rumen pH Sensor. Sensors, 2020, 20, 1249.	3.8	7
25	The photo charge of a bacterioRhodopsin electrochemical cells measured by a charge amplifier. IEICE Electronics Express, 2011, 8, 505-511.	0.8	5
26	Piezoelectric strain sensor array fabricated by transfer printing methods. , 2015, , .		5
27	Soft-rubber-packaged Pb(Zr,Ti)O <sub>3</sub> MEMS touch sensors for human-machine interface applications. Japanese Journal of Applied Physics, 2017, 56, 04CC04.	1.5	5
28	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
29	Novel MEMS Devices Based on Conductive Polymers. Electrochemical Society Interface, 2012, 21, 63-66.	0.4	4
30	High-Speed Coating Method for Photovoltaic Textiles with Closed-Type Die Coater. Japanese Journal of Applied Physics, 2013, 52, 060201.	1.5	4
31	Long wavy copper stretchable interconnects fabricated by continuous microcorrugation process for wearable applications. Engineering Reports, 2020, 2, e12143.	1.7	4
32	Patterning PEDOT:PSS with Parylene Peel-off Method. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 394-400.	0.1	4
33	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
34	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
35	Photosensitive protein patterning with electrophoretic deposition. IEICE Electronics Express, 2010, 7, 779-784.	0.8	3
36	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

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37	Meter-scale large area LED-embedded light fabric for the application of fabric ceilings in rooms. <i>Microsystem Technologies</i> , 2015, 21, 1209-1217.	2.0	3
38	Ultra-thin piezoelectric strain sensor array integrated on flexible printed circuit for structural health monitoring. , 2016, , .		3
39	Fabrication and evaluation of LED-embedded ribbons for highly flexible lighting applications in rooms. <i>Microsystem Technologies</i> , 2016, 22, 1079-1087.	2.0	3
40	Stress concentration-relocating interposer in electronic textile packaging using thermoplastic elastic polyurethane film with via holes for bearing textile stretch. <i>Scientific Reports</i> , 2022, 12, .	3.3	3
41	Glove-shaped wearable device using flexible MEMS sensor. , 2022, , .		3
42	Meter-scale pressure sensor array with woven conductive-polymer-coated fibers. , 2014, , .		2
43	Mechanical characterization of biomedical electrode on knit textile. , 2016, , .		2
44	Flexible Contact Pressure Sensor based on Ultrathin Piezoresistive Silicon Membrane Capable of Strain Compensation. <i>Sensors and Materials</i> , 2018, 30, 2999.	0.5	2
45	High-Throughput and Low-Cost Fabrication of Polymer Microscanner for Lighting Applications. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 106701.	1.5	1
46	Simple micro-patterning of high conductive polymer with UV-nano-imprinted patterned substrate and ethylene glycol-based second doping. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 045024.	2.6	1
47	Piezoelectric PVDF film switch to activate event-driven system for chicken health monitoring. , 2014, , .		1
48	Antistiction technique using elastomer contact structure in woven electronic textiles. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 04EK03.	1.5	1
49	Development of reel-to-reel microchip mounting system for fabrication of meter-long LED lighting tapes. <i>Microsystem Technologies</i> , 2014, 20, 2247-2253.	2.0	1
50	Printed carbon-based sensors array for measuring 2D dynamic strain distribution and application in structural health monitoring. , 2016, , .		1
51	Stretchable Wavy Piezoelectric Sensor Fabricated by Micro-Corrugation Process. , 2019, , .		1
52	All Polymer Piezoelectric Film for Low Resonance Frequency Vibration Driven Energy Harvesting Application. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2013, 133, 285-289.	0.1	1
53	Development of Flexible Piezoelectric Strain Sensor Array. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2017, 137, 438-443.	0.1	1
54	Meter-scale Flexible Touch Sensor Using Projection Capacitive Measurement Technique and Fabric Electrode for Human Position Detection. <i>Sensors and Materials</i> , 2018, 30, 3039.	0.5	1

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55	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
56	Urethane-Foam-Embedded Silicon Pressure Sensors including Stress-Concentration Packaging Structure for Driver Posture Monitoring. Sensors, 2022, 22, 4495.	3.8	1
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	Fabrication of fabric LED array. , 2015, , .		0
59	A Simple and Scalable Fabrication Method for Organic Electronic Devices on Textiles. Journal of Visualized Experiments, 2017, , .	0.3	0
60	Cantilever structure placed in liquid sandwiched between soft-thin membranes to realize wide bandwidth harvester. Applied Physics Letters, 2019, 115, 183902.	3.3	0
61	Electrolyte-Flow-Controlled Reference Electrode using Hydrogen Pressure for an Ultra-Long-Life Rumen pH Sensor. , 2019, , .		0
62	Wearable MEMS Sensor Nodes for Animal Health Monitoring System. , 2022, , 283-305.		0
63	Fabrication and Demonstration of an Organic Electrochromic Volume Display Prototype. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 550-551.	0.1	0
64	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
65	Study on Wiring and Mounting Structures for Smart Suits with Actuators. , 2022, , .		0