

Ichiro Yamada

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,435
citations

567281

15
h-index

330143

37
g-index

80
all docs

80
docs citations

80
times ranked

2037
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Assembly of Bridged Ga_2O_3 Nanowires for Solar-Blind Photodetection. <i>Advanced Functional Materials</i> , 2010, 20, 3972-3978.	14.9	292
2	Competitive surface effects of oxygen and water on UV photoresponse of ZnO nanowires. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	218
3	High-performance UV detector made of ultra-long ZnO bridging nanowires. <i>Nanotechnology</i> , 2009, 20, 045501.	2.6	192
4	ZnO- ZnGa_2O_4 -core-shell nanowire array for stable photoelectrochemical water splitting. <i>Nanoscale</i> , 2012, 4, 1509-1514.	5.6	77
5	A Spherical DC Servo Motor With Three Degrees of Freedom. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1989, 111, 398-402.	1.6	73
6	Wearable Eating Habit Sensing System Using Internal Body Sound. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2010, 4, 158-166.	0.7	54
7	Study of electromagnetic vibration energy harvesting with free/impact motion for low frequency operation. <i>Journal of Sound and Vibration</i> , 2015, 349, 389-402.	3.9	50
8	Fabrication of three-dimensional network of ZnO tetrapods and its response to ethanol. <i>Materials Chemistry and Physics</i> , 2007, 104, 141-145.	4.0	46
9	Bascule nanobridges self-assembled with ZnO nanowires as double Schottky barrier UV switches. <i>Nanotechnology</i> , 2010, 21, 295502.	2.6	38
10	Micro electromagnetic vibration energy harvester based on free/impact motion for low frequency-large amplitude operation. <i>Sensors and Actuators A: Physical</i> , 2015, 224, 87-98.	4.1	38
11	Micro-fabricated semi-packed column for gas chromatography by using functionalized parylene as a stationary phase. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 065032.	2.6	34
12	Continuous Blood Pressure Monitoring in Daily Life. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2010, 4, 179-186.	0.7	28
13	Optical hydrogen detection with periodic subwavelength palladium hole arrays. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	26
14	Collaborative Processing of Wearable and Ambient Sensor System for Blood Pressure Monitoring. <i>Sensors</i> , 2011, 11, 6760-6770.	3.8	24
15	Diffraction microtomography with sample rotation: influence of a missing apple core in the recorded frequency space. <i>Open Physics</i> , 2009, 7, .	1.7	21
16	Neural-Network Based Learning Control of Flexible Mechanism With Application to a Single-Link Flexible Arm. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 1994, 116, 792-795.	1.6	19
17	Micro Gas Preconcentrator Made of a Film of Single-Walled Carbon Nanotubes. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2010, 130, 207-211.	0.1	14
18	Stability of hydrogen incorporated in ZnO nanowires by plasma treatment. <i>Nanotechnology</i> , 2011, 22, 435703.	2.6	13

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19	Wearable sensing systems for healthcare monitoring. , 2012, , .		13
20	New healthcare society supported by wearable sensors and information mapping-based services. International Journal of Networking and Virtual Organisations, 2011, 9, 233.	0.2	12
21	Vertically aligned ZnOâ€ZnGa2O4 coreâ€shell nanowires: from synthesis to optical properties. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	12
22	Tomographic observation of transparent objects under coherent illumination and reconstruction by filtered backprojection and Fourier diffraction theorem. , 2008, , .		8
23	Carbon Nanotube Stationary Phase in a Microfabricated Column for High-Performance Gas Chromatography. , 2009, , .		8
24	Collaborative processing of wearable and ambient sensor system for health monitoring application. , 2010, , .		8
25	Hole shape effect induced optical response to permittivity change in palladium sub-wavelength hole arrays upon hydrogen exposure. Journal of Applied Physics, 2012, 111, 084502.	2.5	8
26	Relation Between Blood Pressure Estimated by Pulse Wave Velocity and Directly Measured Arterial Pressure. Journal of Robotics and Mechatronics, 2012, 24, 811-819.	1.0	8
27	High-Speed Magneto-Optic Disk Drive with Overwriting and Read-Verifying Functions. Japanese Journal of Applied Physics, 1992, 31, 620-624.	1.5	7
28	Study on the device characteristics of a quasi-SOI power MOSFET fabricated by reversed silicon wafer direct bonding. IEEE Transactions on Electron Devices, 1998, 45, 1940-1945.	3.0	7
29	Optical projection microtomography of transparent objects. , 2007, , .		7
30	Physiological Information Sensing Technology Aimed at Preventive Healthcare. Ieice Ess Fundamentals Review, 2018, 12, 30-37.	0.1	7
31	Discrimination of eating habits with a wearable bone conduction sound recorder system. , 2009, , .		6
32	Hydrogen detection with subwavelength palladium hole arrays. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2009, 8, 021140.	0.9	5
33	Diffraction microtomography with sample rotation: primary result on the influence of a missing apple core in the recorded frequency space. , 2009, , .		5
34	Bit Error Characteristics in Magneto-Optical Disk. IEEE Translation Journal on Magnetism in Japan, 1988, 3, 683-693.	0.1	4
35	Three-beam overwritable magneto-optic disk drive. , 1991, , .		4
36	Automated optical mass storage system with 3-beam magneto-optical disk drives. IEEE Transactions on Magnetism, 1993, 29, 2172-2176.	2.1	4

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37	Continuous blood pressure measurement in daily activities. , 2009, , .		4
38	Effect of micropillar density on separation efficiency of semi-packed micro gas chromatographic columns. , 2009, , .		4
39	Descriptive analysis of emotion and feeling in voice. , 2010, , .		4
40	Design of Nonlinear Compensator for Positioning Control in a Mass Storage System : A Neural-Network-Based Controller. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 1994, 37, 573-580.	0.1	3
41	Effect of hydrogen plasma treatment on the luminescence and photoconductive properties of ZnO nanowires. Materials Research Society Symposia Proceedings, 2009, 1206, 130301.	0.1	3
42	Growth measurement of Tomato fruit based on whole image processing. , 2017, , .		3
43	Multi input-output control of magnetically suspended linear guide. IEEE Transactions on Magnetics, 1984, 20, 1690-1692.	2.1	2
44	High Speed Recording Characteristics of 3-Beam Drive. Japanese Journal of Applied Physics, 1992, 31, 615-619.	1.5	2
45	Analysis of hydrogen exposure effects on the transmittance of periodic sub-wavelength palladium hole arrays. Proceedings of SPIE, 2009, , .	0.8	2
46	Hydrogen absorption effects on the transmittance of sub-wavelength palladium hole arrays with different thicknesses. Proceedings of SPIE, 2011, , .	0.8	2
47	A Database of Japanese Emotional Signals Elicited by Real Experiences. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 3-12.	0.3	2
48	Workplace Stress Estimation from Physiological Indices in Real Situation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 13-22.	0.3	2
49	Disturbance compensation control in media-handling system.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1991, 57, 533-538.	0.2	1
50	Fabrication, characterization and gas sensing properties of three-dimensional network of ZnO tetrapods. , 2006, , .		1
51	Enhancement of gas response of ZnO micro-nano structured films through plasma treatment. , 2007, , .		1
52	Fabrication of ZnO Bridging Nanowire Device by a Single-Step Chemical Vapor Deposition Method. Materials Research Society Symposia Proceedings, 2008, 1144, 1.	0.1	1
53	Recognition of Bread Key Odorants by Using Polymer Coated QCMs. IEJ Transactions on Sensors and Micromachines, 2008, 128, 97-101.	0.1	1
54	Evaluation of adsorption capacity of single-walled carbon nanotubes for application to micro gas preconcentrators. , 2010, , .		1

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55	Validity and Usefulness of Wearable Blood Pressure Sensing ¹ for Detection of Inappropriate Short-Term Blood Pressure Variability in the Elderly Impact of Cognitive Function and Stress Response. Transactions of the Japanese Society for Artificial Intelligence, 2012, 27, 40-45.	0.1	1
56	Hydrogen Sensing with a Rectangular Lattice of Sub-Wavelength Holes in Palladium. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 317-320.	0.1	1
57	Cylindrical stepping motor for linear and rotary motion.. Journal of the Japan Society for Precision Engineering, 1988, 54, 1340-1345.	0.1	1
58	Shoji: A Communication Terminal for Sending and Receiving Ambient Information. , 2009, , .		1
59	Dynamic measurement of mechanical and optical characteristics of optical disks.. , 1990, 33, 19-24.		0
60	High-Speed Positioning Control in Optical Disk Drives.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1991, 57, 3234-3239.	0.2	0
61	Application of Reversed Silicon Wafer Direct Bonding to Thin-Film SOI Power ICs. Japanese Journal of Applied Physics, 1998, 37, 1300-1304.	1.5	0
62	Three-dimensional network of ZnO tetrapods for use in gas sensing. , 2006, 6413, 32.		0
63	Enhancement of Gas Response of ZnO Micro-nano Structured Films through O2 Plasma Treatment. IEEJ Transactions on Sensors and Micromachines, 2009, 129, 307-311.	0.1	0
64	BIO-05 CONTINUOUS BLOOD PRESSURE MONITORING IN DAILY LIFE(Bio-medical Equipments II,Technical) Tj ETQq0 0 0 rgBT /Overlock Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 223-224.	0.0	0
65	BIO-04 WEARABLE EATING HABIT SENSING USING SOUND INFORMATION(Bio-medical Equipments) Tj ETQq1 1 0.784314 rgBT /Overlock Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 221-222.	0.0	0
66	Bridging wide bandgap nanowires for ultraviolet light detection. , 2011, , .		0
67	Morphological evolution of large-scale vertically aligned ZnO nanowires and their photoluminescence properties by hydrogen plasma treatment. Materials Research Society Symposia Proceedings, 2011, 1302, 8101.	0.1	0
68	Array of subwavelength rectangular structures in palladium for optical hydrogen detection. Proceedings of SPIE, 2012, , .	0.8	0
69	Electric field design of metallic sub-wavelength hole arrays for optical permittivity sensing. , 2012, , .		0
70	Data model for health telemonitoring and persuasive system design. International Journal of Intelligent Information and Database Systems, 2017, 10, 4.	0.3	0
71	Expectations for the Special Issue "Aiming at Realization of the Safe Society" Journal of Japan Institute of Electronics Packaging, 2007, 10, 441-441.	0.1	0
72	A33 Development of Wearable Blood Pressure Sensor. The Proceedings of the Symposium on Sports and Human Dynamics, 2011, 2011, 185-189.	0.0	0

#	ARTICLE	IF	CITATIONS
73	SHOJI: A Communication Terminal for Sending and Receiving Ambient Information. , 2011, , 21-38.		0
74	Detection of Behaviors Related to Blood Pressure Change Using 6-Axis Kinetic Sensor. , 2013, , .		0
75	Calculation and Measurement of Magnetic and Transport Properties of Rectangle Anti-Dot Arrays. , 2013, , .		0
76	Basic study on moving object tracking control by visual sensor.. Journal of the Japan Society for Precision Engineering, 1987, 53, 1402-1407.	0.1	0
77	Arousal Recognition Method using Electroencephalography Signals to Construct Emotional Database. , 2015, , .		0
78	Detection of Drug Administration Behavior with Swallowing Sounds. , 2015, , .		0