

# Akio Iwasa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5443352/publications.pdf>

Version: 2024-02-01

27  
papers

170  
citations

1163117

8  
h-index

1199594

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attenuation of microwave filters for single-electron tunneling experiments. IEEE Transactions on Instrumentation and Measurement, 1997, 46, 289-293.	4.7	29
2	Ten-volt Josephson voltage standard at the ETL. IEEE Transactions on Instrumentation and Measurement, 1997, 46, 233-236.	4.7	16
3	Comparison of a Multichip 10-V Programmable Josephson Voltage Standard System With a Superconductor-Insulator-Superconductor-Based Conventional System. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 832-837.	4.7	16
4	Single-Chip 10-V Programmable Josephson Voltage Standard System Based on a Refrigerator and Its Precision Evaluation. IEEE Transactions on Applied Superconductivity, 2010, 20, 21-25.	1.7	13
5	Ten-volt Josephson junction array. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 219-222.	4.7	12
6	Calibration System for Zener Voltage Standards Using a 10 V Programmable Josephson Voltage Standard at NMIJ. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1606-1612.	4.7	12
7	Practical Analysis of Single Electron Pump with Harmonic Drive. Japanese Journal of Applied Physics, 1995, 34, 5871-5876.	1.5	11
8	Comparison of Josephson Voltage Standards of the Electrotechnical Laboratory and the Bureau International des Poids et Mesures. Metrologia, 1993, 29, 389-395.	1.2	10
9	Evaluation of Linearity Characteristics in Digital Voltmeters Using a PJVS System With a 10-K Cooler. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1613-1619.	4.7	8
10	A direct comparison of a 10 V Josephson voltage standard between a refrigerator-based multi-chip programmable system and a conventional system. Superconductor Science and Technology, 2009, 22, 095010.	3.5	6
11	Use of the Josephson Junction Array Voltage Standard in Industry. Japanese Journal of Applied Physics, 1993, 32, 3643-3648.	1.5	5
12	Evaluation of linearity in digital voltmeters using PJVS. , 2014, , .		5
13	Development of zener calibration system using 10 V programmable Josephson voltage standard at NMIJ. , 2014, , .		4
14	Accuracy of a Harmonically Operated Single Electron Pump. Japanese Journal of Applied Physics, 2001, 40, 6645-6653.	1.5	3
15	The effects of the environmental conditions of some Zener voltage references. , 0, , .		3
16	A Precise Evaluation of NbN-Based 1-V Programmable Josephson Voltage Standard Arrays. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 645-648.	4.7	3
17	Sinusoidal gate voltages for a three-gate single electron pump. IEEE Transactions on Instrumentation and Measurement, 1995, 44, 561-563.	4.7	2
18	Estimation of capacitance of small junction from liquid He temperature measurement. , 0, , .		2

#	ARTICLE	IF	CITATIONS
19	Single electron transistor with two gate inputs. , 0, , .		2
20	Study of single electron transistor for metrological application. , 0, , .		2
21	Non-temperature dependent resistor at low temperatures. Physica B: Condensed Matter, 2003, 329-333, 1660-1661.	2.7	2
22	Comparison between a 1-V NbN-Based Programmable and a Conventional Josephson Array. Japanese Journal of Applied Physics, 2007, 46, 7912-7915.	1.5	2
23	Simple Method for Measurement of Decay Rate in Superconducting Magnet. Japanese Journal of Applied Physics, 1995, 34, 3741-3745.	1.5	1
24	Operation of a 10-V programmable Josephson voltage standard system with a 10-K compact cryocooler. , 2008, , .		1
25	Mutual comparisons of fully automated Josephson-junction arrays voltage-standard systems. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 368-371.	4.7	0
26	Design of an SET current meter. , 0, , .		0
27	Temperature characteristic of Zener reference standards. , 0, , .		0