

Teruo Matsushita

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Round Robin Test of Critical Current of Superconducting Cable. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	3
2	Longitudinal Magnetic Field Effect. Springer Series in Solid-state Sciences, 2021, , 115-153.	0.3	0
3	Measurement of critical current of superconducting cable. Japanese Journal of Applied Physics, 2021, 60, 123001.	0.8	1
4	Theoretical estimation of the upper limit of critical current density by flux pinning in superconductors under the influence of kinetic energy. Applied Physics Express, 2019, 12, 023004.	1.1	2
5	Round Robin Test of Residual Resistance Ratio of Nb3Sn Composite Superconductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2
6	Consideration on appearance and disappearance of energy in superconductors during change in external magnetic field. Japanese Journal of Applied Physics, 2018, 57, 103101.	0.8	3
7	Tuning nanoparticle size for enhanced functionality in perovskite thin films deposited by metal organic deposition. NPC Asia Materials, 2017, 9, e447-e447.	3.8	57
8	Electro-Magnetic Properties of Bi-2223 Wires. Asian Journal of Social Science Studies, 2016, , 39-48.	0.0	0
9	Pinning Loss Power Density in Superconductors. Journal of the Physical Society of Japan, 2015, 84, 034705.	0.7	3
10	Flux Pinning in Superconductors. Springer Series in Solid-state Sciences, 2014, , .	0.3	62
11	High-Temperature Superconductors. Springer Series in Solid-state Sciences, 2014, , 309-375.	0.3	1
12	Estimation of Critical Current Densities in Polycrystalline $\text{Sr}_{0.6}\text{K}_{0.4}\text{FeAs}_2$ Superconductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 2862-2865.	1.1	0
13	AC Magnetic Flux Profile and Critical Current Density Obtained by Campbell's Method in Polycrystalline MgB_2 . IEEE Transactions on Applied Superconductivity, 2009, 19, 3529-3532.	1.1	1
14	Progress of Evaluation Techniques for Electromagnetic and Mechanical Properties of High Temperature Composite Superconductors. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 420-426.	0.1	0
15	Condensation energy density in Bi-2212 superconductors. Superconductor Science and Technology, 2006, 19, 200-205.	1.8	17
16	Effect of Deoxygenation on the Flux-Pinning Properties of Superconducting Y-123.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 420-426.	0.1	0
17	Operating Test for a 1,000A Class Superconducting Transformer Cooled by Cryocoolers for AC Transport Loss Measurement.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 420-426.	0.1	0
18	Test Method of Residual Resistance Ratio of Nb-Ti Composite Superconductors. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2002, 37, 420-426.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Reversible Motion of Flux Lines and AC Losses in High-temperature Superconducting Tapes.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2000, 35, 217-222.	0.1	0
20	Critical Current Density and Magnetic Phase Diagrams in Nb-Ti Superconducting Wires with Artificial Pinning Centers. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1997, 61, 785-791.	0.2	1
21	Dynamic characteristics of a high-T _c superconducting bearing with a set of alternating-polarity magnets. Journal of Applied Physics, 1995, 77, 899-904.	1.1	15
22	Enhanced J _c properties in superconducting NbTi composites by introducing Nb artificial pins with a layered structure. Applied Physics Letters, 1994, 64, 115-117.	1.5	51
23	Critical Current Densities in the Artificial Pinning Structure Composed of Nb/Nb Ti Multilayers.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 1994, 29, 245-250.	0.1	0
24	Levitation pressure and stiffness of a high-T _c superconducting bearing in field-cooling process. Journal of Applied Physics, 1993, 73, 2535-2539.	1.1	6
25	FACTORS DETERMINING CRITICAL CURRENT DENSITY IN MELT-PROCESSED Y-Ba-Cu-O. Journal of Advanced Science, 1992, 4, 110-114, f2.	0.1	0
26	History Effect of Critical Current Density and Weak Links in Superconducting Bi-Pb-Sr-Ca-Cu-O Tape Wires.. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 1991, 26, 384-388.	0.1	0
27	Flux pinning characteristics in superconductors.. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq1 1 0.784314 rgBT / Overlock 10	0.1	1
28	Nonsaturated Global Pinning Force in Superconducting Nb-Ta with Normal Precipitates. Journal of the Physical Society of Japan, 1988, 57, 3910-3919.	0.7	10
29	Electric Field in the Mixed State of a Type-II Superconductor in a Longitudinal Magnetic Field. Journal of the Physical Society of Japan, 1988, 57, 3941-3945.	0.7	3
30	Critical Current Density of Superconducting Pb-Bi Alloys with Normal Bi Precipitates in a Longitudinal Magnetic Field. Japanese Journal of Applied Physics, 1986, 25, L725-L727.	0.8	20
31	Critical Current Density of Superconducting Nb-Ta in the Longitudinal Magnetic Field. Japanese Journal of Applied Physics, 1986, 25, 32-36.	0.8	21
32	On an Enhancement of a Critical Current of Superconductors in s Longitudinal Magnetic Field. Journal of the Physical Society of Japan, 1985, 54, 1054-1059.	0.7	28
33	A Nonequilibrium Thermodynamic Effect on a Flux Distribution in a Superconductor under a Longitudinal Magnetic Field. Journal of the Physical Society of Japan, 1985, 54, 1060-1065.	0.7	12
34	On the Flux Flow in the Resistive State of a Current-Carrying Superconductor in a Longitudinal Magnetic Field. Journal of the Physical Society of Japan, 1985, 54, 1066-1075.	0.7	19
35	Recent topics on experimental studies of flux pinning in superconductors.. TEION KOGAKU (Journal of) Tj ETQq1 1 0.784314 rgBT / Overlock 10	0.1	0
36	On the Surface Barrier in Type II Superconductors. Journal of the Physical Society of Japan, 1983, 52, 241-245.	0.7	3

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37	Proximity Effect of a Thin Normal Metal Layer in a Superconductor. Journal of the Physical Society of Japan, 1982, 51, 2755-2760.	0.7	8
38	Pinning Force Density in Nonideal Superconductors with Weak Pins. Journal of the Physical Society of Japan, 1981, 50, 38-46.	0.7	16
39	On the Threshold Criterion for a Nonideal Type II Superconductor with Dense Pinning Centres. Journal of the Physical Society of Japan, 1980, 48, 1885-1892.	0.7	4
40	On the Threshold Criterion for Dilutely Pinned Type II Superconductors. Journal of the Physical Society of Japan, 1979, 47, 1426-1432.	0.7	11
41	Critical Current Densities in the Surface Pinning Region of a Superconducting Pb-20%Ti Rod. Journal of the Physical Society of Japan, 1979, 46, 756-763.	0.7	24
42	Pinning Effect in Superconducting Pb-50%In Alloy. Journal of the Physical Society of Japan, 1979, 47, 1433-1440.	0.7	10
43	Magnetic Behavior in Type II Superconductors under a Longitudinal Magnetic Field I. An Irreversible Force-Free Current. Journal of the Physical Society of Japan, 1979, 47, 1069-1077.	0.7	11
44	On the Magnetization of a Nonideal Type 2 Superconductor. Journal of the Physical Society of Japan, 1979, 46, 764-771.	0.7	14
45	Nonlinear Current-Voltage Characteristics in Dilutely Pinned Superconductors. Journal of the Physical Society of Japan, 1979, 46, 1109-1111.	0.7	11
46	Current-Voltage Characteristics of Randomly Pinned Type II Superconductors. Journal of the Physical Society of Japan, 1979, 46, 1101-1108.	0.7	25
47	Current-Voltage Characteristics of Superconducting Foils in Small Oscillatory Magnetic Fields. Journal of the Physical Society of Japan, 1975, 39, 634-642.	0.7	3
48	Critical Current Densities In Nonideal Type II Superconductors. Journal of the Physical Society of Japan, 1974, 36, 1693-1701.	0.7	2
49	Josephson Junctions with Superconducting Barriers. Journal of the Physical Society of Japan, 1971, 30, 965-971.	0.7	10