

Teruo Matsushita

List of Publications by Year in descending order

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49
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225
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux Pinning in Superconductors. Springer Series in Solid-state Sciences, 2014, , .	0.3	62
2	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
3	Enhanced Jc properties in superconducting NbTi composites by introducing Nb artificial pins with a layered structure. Applied Physics Letters, 1994, 64, 115-117.	1.5	51
4	On an Enhancement of a Critical Current of Superconductors in a Longitudinal Magnetic Field. Journal of the Physical Society of Japan, 1985, 54, 1054-1059.	0.7	28
5	Current-Voltage Characteristics of Randomly Pinned Type II Superconductors. Journal of the Physical Society of Japan, 1979, 46, 1101-1108.	0.7	25
6	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
7	Critical Current Density of Superconducting Nb-Ta in the Longitudinal Magnetic Field. Japanese Journal of Applied Physics, 1986, 25, 32-36.	0.8	21
8	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
9	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
10	Condensation energy density in Bi-2212 superconductors. Superconductor Science and Technology, 2006, 19, 200-205.	1.8	17
11	Pinning Force Density in Nonideal Superconductors with Weak Pins. Journal of the Physical Society of Japan, 1981, 50, 38-46.	0.7	16
12	Dynamic characteristics of a high-Tc superconducting bearing with a set of alternating polarity magnets. Journal of Applied Physics, 1995, 77, 899-904.	1.1	15
13	On the Magnetization of a Nonideal Type 2 Superconductor. Journal of the Physical Society of Japan, 1979, 46, 764-771.	0.7	14
14	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
15	On the Threshold Criterion for Dilutely Pinned Type II Superconductors. Journal of the Physical Society of Japan, 1979, 47, 1426-1432.	0.7	11
16	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
17	Nonlinear Current-Voltage Characteristics in Dilutely Pinned Superconductors. Journal of the Physical Society of Japan, 1979, 46, 1109-1111.	0.7	11
18	Pinning Effect in Superconducting Pb-50%In Alloy. Journal of the Physical Society of Japan, 1979, 47, 1433-1440.	0.7	10

#	ARTICLE	IF	CITATIONS
19	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
20	Josephson Junctions with Superconducting Barriers. Journal of the Physical Society of Japan, 1971, 30, 965-971.	0.7	10
21	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
22	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
23	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
24	On the Surface Barrier in Type II Superconductors. Journal of the Physical Society of Japan, 1983, 52, 241-245.	0.7	3
25	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
26	Pinning Loss Power Density in Superconductors. Journal of the Physical Society of Japan, 2015, 84, 034705.	0.7	3
27	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
28	Round Robin Test of Critical Current of Superconducting Cable. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	3
29	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
30	Progress of Evaluation Techniques for Electromagnetic and Mechanical Properties of High Temperature Composite Superconductors. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (Su		
31	Round Robin Test of Residual Resistance Ratio of Nb ₃ Sn Composite Superconductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2
32	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
33	Critical Current Densities In Nonideal Type II Superconductors. Journal of the Physical Society of Japan, 1974, 36, 1693-1701.	0.7	2
34	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
35	High-Temperature Superconductors. Springer Series in Solid-state Sciences, 2014, , 309-375.	0.3	1
36	Flux pinning characteristics in superconductors.. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	0.1	1

#	ARTICLE	IF	CITATIONS
37	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
38	Measurement of critical current of superconducting cable. Japanese Journal of Applied Physics, 2021, 60, 123001.	0.8	1
39	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) Tj ETQq1 100.784314 rgBT / Overlock 10 T	0.1	0
40	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
41	Electro-Magnetic Properties of Bi-2223 Wires. Asian Journal of Social Science Studies, 2016, , 39-48.	0.0	0
42	Longitudinal Magnetic Field Effect. Springer Series in Solid-state Sciences, 2021, , 115-153.	0.3	0
43	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
44	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
45	Test Method of Residual Resistance Ratio of Nb-Ti Composite Superconductors. TEION KOGAKU (Journal) Tj ETQq1 100.784314 rgBT / Overlock 10 T	0.1	0
46	Recent topics on experimental studies of flux pinning in superconductors.. TEION KOGAKU (Journal of) Tj ETQq0 0 0 rgBT / Overlock 10 T	0.1	0
47	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
48	FACTORS DETERMINING CRITICAL CURRENT DENSITY IN MELT-PROCESSED Y-Ba-Cu-O. Journal of Advanced Science, 1992, 4, 110-114,f2.	0.1	0
49	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