

Takashi Nakamura

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

395
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a superconducting bulk magnet for NMR and MRI. Journal of Magnetic Resonance, 2015, 259, 68-75.	2.1	107
2	Development of a superconducting magnet for nuclear magnetic resonance using bulk high-temperature superconducting materials. Concepts in Magnetic Resonance Part B, 2007, 31B, 65-70.	0.7	95
3	Development of a magnetic resonance microscope using a high T _c bulk superconducting magnet. Applied Physics Letters, 2011, 98, .	3.3	82
4	Trapped Field Characteristics and Fracture Behavior of REBaCuO Bulk Ring During Pulsed Field Magnetization. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	31
5	Strong Magnetic Field Generator Containing HTS Bulk Magnets and Compact Refrigerators. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	24
6	Drastic improvement of the trapped field homogeneity in a superconducting hollow bulk by the insertion of a high- <i>J_c</i> superconducting cylinder for NMR bulk magnets. Superconductor Science and Technology, 2015, 28, 095018.	3.5	17
7	Detection of ¹ H NMR signal in a trapped magnetic field of a compact tubular MgB ₂ superconductor bulk. Superconductor Science and Technology, 2021, 34, 06LT02.	3.5	11
8	Experimental evaluation of the magnetization process in a high T _c bulk superconducting magnet using magnetic resonance imaging. Physica C: Superconductivity and Its Applications, 2013, 492, 174-177.	1.2	10
9	Preparation and properties of Eu-Ba-Cu-O superconducting bulk magnets for NMR application. Physica C: Superconductivity and Its Applications, 2008, 468, 1451-1455.	1.2	8
10	A gradient coil design for a high-temperature superconducting bulk magnet using the finite-difference method. Superconductor Science and Technology, 2015, 28, 095010.	3.5	4
11	Influence of Inner Diameter and Height of Ring-Shaped REBaCuO Bulks on Trapped Field and Mechanical Stress During Field-Cooled Magnetization. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	4
12	NMR Relaxometry Using Outer Field of Single-Sided HTS Bulk Magnet Activated by Pulsed Field. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	2