

# Takanori Motoki

## List of Publications by Year in descending order

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papers

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19  
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docs citations

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times ranked

95  
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#	ARTICLE	IF	CITATIONS
1	Critical current improvement and resistance evaluation of superconducting joint between Bi2223 tapes. Superconductor Science and Technology, 2022, 35, 02LT02.	3.5	11
2	Development of a Persistent Current Mode 9.39 T (400 MHz) LTS/Bi-2223 NMR Magnet With a Bi-2223 Superconducting Joint. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
3	Development of homogeneous and high-performance REBCO bulks with various shapes by the single-direction melt growth (SDMG) method. Superconductor Science and Technology, 2022, 35, 094003.	3.5	7
4	Fabrication of high Jc Bi2223 thick films through grain alignment technique using a permanent magnet. Physica C: Superconductivity and Its Applications, 2021, 584, 1353873.	1.2	4
5	Breakthrough in the reduction of oxygen-annealing time for REBCO melt-textured bulks under an oxygen atmosphere containing water vapor. Superconductor Science and Technology, 2020, 33, 034008.	3.5	10
6	Fabrication of high-performance YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> melt-textured bulks with selective grain growth. Applied Physics Express, 2020, 13, 093002.	2.4	7
7	Synthesis of thick YBCO films up to 3.0 μm on metallic substrates by a fluorine-free metal organic decomposition method. Superconductor Science and Technology, 2019, 32, 115003.	3.5	5
8	Promotion of Epitaxial Growth and Enhanced <i>J<sub>c</sub></i> by Coaddition of Br and Metals (Zr, Tj). IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	1
9	High <i>J<sub>c</sub></i> superconducting joint between Bi2223 tapes. Applied Physics Express, 2019, 12, 023003.	2.4	29
10	Greatly enhanced flux pinning properties of fluorine-free metal-organic decomposition YBCO films by co-addition of halogens (Cl, Br) and metals (Zr, Sn, Hf). Superconductor Science and Technology, 2018, 31, 044004.	3.5	9
11	A new carbon source MgB <sub>2</sub> C <sub>2</sub> for the synthesis of carbon-doped MgB <sub>2</sub> materials. Solid State Communications, 2018, 281, 53-56.	1.9	7
12	Development of high <i>J<sub>c</sub></i> Bi2223/Ag thick film materials prepared by heat treatment under low <i>P<sub>O<sub>2</sub></sub></i> . Superconductor Science and Technology, 2018, 31, 074002.	3.5	13
13	Fabrication of Bi2223 bulks with high critical current properties sintered in Ag tubes. Physica C: Superconductivity and Its Applications, 2017, 534, 9-12.	1.2	6
14	Potential for improvement of pinning properties for REBCO melt-textured bulks by high energy electron irradiation. Physica C: Superconductivity and Its Applications, 2017, 537, 5-9.	1.2	1
15	Dramatic effects of chlorine addition on expanding synthesis conditions for fluorine-free metal-organic decomposition YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films. Applied Physics Express, 2017, 10, 023102.	2.4	12
16	Effects of densification of precursor pellets on microstructures and critical current properties of YBCO melt-textured bulks. Physica C: Superconductivity and Its Applications, 2016, 531, 79-84.	1.2	3
17	Microstructures and improved <i>J<sub>c</sub></i> characteristics of Cl-containing YBCO thin films prepared by the fluorine-free MOD method. Superconductor Science and Technology, 2016, 29, 015006.	3.5	13
18	Dramatic effects of chlorine doping on <i>J<sub>c</sub></i> and microstructure of fluorine-free MOD Y123 thin films. Superconductor Science and Technology, 2014, 27, 095017.	3.5	12

#	ARTICLE	IF	CITATIONS
19	Critical Current Properties of FF-MOD RE123 Thin Films Sintered for Short Time. IEEE Transactions on Applied Superconductivity, 2013, 23, 7500804-7500804.	1.7	9