

Motomune Kodama

List of Publications by Year in descending order

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15
papers

135
citations

1307594

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h-index

1199594

12
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15
all docs

15
docs citations

15
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance dense MgB ₂ superconducting wire fabricated from mechanically milled powder. Superconductor Science and Technology, 2017, 30, 044006.	3.5	40
2	Mechanism for high critical current density in situ MgB ₂ wire with large area-reduction ratio. Superconductor Science and Technology, 2014, 27, 055003.	3.5	18
3	Analysis for formation of current path in the superconducting joint between Nb-Ti wires with the solder matrix replacement method. Superconductor Science and Technology, 2015, 28, 045019.	3.5	13
4	Controlling oxygen coordination and valence of network forming cations. Scientific Reports, 2020, 10, 7178.	3.3	12
5	Conduction Cooled MgB ₂ Coil in Maximum Self Magnetic Flux Density 2.3 Tesla Made with 300-Meter-long Multifilamentary MgB ₂ Wire. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	8
6	Electromagnetic properties and microstructures of in situ MgB ₂ wires made from three types of boron powders. Superconductor Science and Technology, 2016, 29, 105016.	3.5	8
7	A new carbon source MgB ₂ C ₂ for the synthesis of carbon-doped MgB ₂ materials. Solid State Communications, 2018, 281, 53-56.	1.9	7
8	Critical current density defined at low electric field criterion and energy margin of superconducting MgB ₂ wires in wide temperature and magnetic field range. Superconductor Science and Technology, 2021, 34, 025018.	3.5	7
9	Tensile and Bending Stress Tolerance on Round MgB ₂ Wire Made By In Situ PIT Process. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	5
10	Feasibility study of novel rapid ramp-down procedure in MgB ₂ MRI magnet using persistent current switch with high off-resistivity. Superconductor Science and Technology, 2021, 34, 074003.	3.5	5
11	Effect of artificial MgO pinning centers introduced by residual moisture in a deposition chamber on J _c characteristics and film structure of 10 μm thick MgB ₂ films deposited on Cu substrates. Superconductor Science and Technology, 2019, 32, 045004.	3.5	4
12	Effect of the premixing of MgB ₂ powder on microstructures and electromagnetic properties in PIT-processed MgB ₂ wires. Materials Research Express, 2019, 6, 026003.	1.6	3
13	New deposition method of MgB ₂ thin film with thermal evaporation of Mg and sputtering of B. Materials Research Express, 2020, 7, 056003.	1.6	3
14	Measurement of Irreversible External-Compressive Strain at RT and Enhancing Strain Tolerance at RT on MgB ₂ Multifilament Wire. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
15	Environmentally-compatible Low-melting Glass Sealant. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2013, 82, 89-92.	0.1	0