

Mahipal Ranot

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed nanometers thick amorphous carbon-coated boron as an efficient precursor for high-field performance of MgB ₂ . Journal of Alloys and Compounds, 2017, 724, 507-514.	5.5	14
2	A safe and cost-effective PMMA carbon source for MgB ₂ . Progress in Superconductivity and Cryogenics (PSAC), 2017, 19, 47-50.	0.3	0
3	Superconducting MgB ₂ flowers: growth mechanism and their superconducting properties. Superconductor Science and Technology, 2016, 29, 045015.	3.5	3
4	Addition effects of nanoscale NiO on microstructure and superconducting properties of MgB ₂ . Progress in Superconductivity and Cryogenics (PSAC), 2016, 18, 37-40.	0.3	3
5	A review on the understanding and fabrication advancement of MgB ₂ thin and thick films by HPCVD. Progress in Superconductivity and Cryogenics (PSAC), 2015, 17, 1-17.	0.3	4
6	Effect of Different Thickness Crystalline SiC-Buffer Layers on Superconducting Properties and Flux Pinning Mechanism of MgB_2 Films. IEEE Transactions on Magnetics, 2014, 50, 1-5.	2.1	3
7	Fabrication details of Ba _{1-x} K _x Fe ₂ As ₂ films by pulsed laser deposition technique. Progress in Superconductivity and Cryogenics (PSAC), 2014, 16, 4-6.	0.3	4
8	Single-Crystal like MgB ₂ thin films grown on c-cut sapphire substrates. Progress in Superconductivity and Cryogenics (PSAC), 2014, 16, 7-9.	0.3	1
9	MgB ₂ coated conductors directly grown on flexible metallic Hastelloy tapes by hybrid physical-chemical vapor deposition. Current Applied Physics, 2013, 13, 1808-1812.	2.4	9
10	Transport properties of MgB ₂ films grown on Hastelloy tape: Substrate temperature effect. Journal of the Korean Physical Society, 2013, 62, 284-287.	0.7	4
11	Significant enhancement of critical current density by effective carbon-doping in MgB ₂ thin films. Progress in Superconductivity and Cryogenics (PSAC), 2013, 15, 12-15.	0.3	2
12	Thickness dependence of grain growth orientation in MgB ₂ films fabricated by hybrid physical-chemical vapor deposition. Progress in Superconductivity and Cryogenics (PSAC), 2013, 15, 9-11.	0.3	0
13	MgB ₂ coated superconducting tapes with high critical current densities fabricated by hybrid physical-chemical vapor deposition. Current Applied Physics, 2012, 12, 353-363.	2.4	14
14	Effect of SiC Impurity Layer and Growth Temperature on MgB ₂ Superconducting Tapes Fabricated by HPCVD. Chemical Vapor Deposition, 2012, 18, 36-40.	1.3	5
15	TbxEr _{1-x} Ni ₅ compounds: An ideal model system for competing Ising-XY anisotropy energies. Physical Review B, 2009, 79, .	3.2	21
16	Fabrication of superconducting MgB ₂ thin films on textured Cu(100) tape by hybrid physical-chemical vapor deposition. Superconductor Science and Technology, 2009, 22, 045006.	3.5	13
17	A simple method for the enhancement of J_c in MgB ₂ thick films with an amorphous SiC impurity layer. Superconductor Science and Technology, 2009, 22, 075010.	3.5	17
18	Influence of Ag- or Cu-Impurity Layers on the Microstructure and Flux-Pinning Properties of MgB ₂ Thick Films. Journal of the Korean Physical Society, 2009, 54, 2343-2348.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Fabrication of MgB ₂ Thin Films at Various Temperatures by Using Laser-assisted Chemical Vapor Deposition. Journal of the Korean Physical Society, 2009, 55, 600-603.	0.7	1
20	Possible Origin of Double-Peak Behavior of the Pinning-Force Density in Thick MgB ₂ Films with Columnar Structures. Journal of the Korean Physical Society, 2008, 53, 727-731.	0.7	14