

Manuela Erbe

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microstructure, pinning properties, and aging of CSD-grown SmBa ₂ Cu ₃ O _{7-δ} films with and without BaHfO ₃ nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	3.5	8
2	Unravelling the Crystallization Process in Solution-Derived YBa ₂ Cu ₃ O _{7-δ} Nanocomposite Films with Preformed ZrO ₂ Nanocrystals via Definitive Screening Design. Journal of Physical Chemistry Letters, 2021, 12, 2118-2125.	4.6	7
3	Pinning analyses of a BaHfO ₃ -containing GdBa ₂ Cu ₃ O _{7-δ} thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	3.5	3
4	Determination of the Oxygen Chain Ordering in REBa ₂ Cu ₃ O _{7-δ} by Electrical Conductivity Relaxation Measurements. ACS Applied Electronic Materials, 2021, 3, 5374-5382.	4.3	3
5	Importance of the pyrolysis for microstructure and superconducting properties of CSD-grown GdBa ₂ Cu ₃ O _{7-δ} -HfO ₂ nanocomposite films by the ex-situ approach. Scientific Reports, 2020, 10, 19469.	3.3	3
6	Improved Performance of CSD-Grown Y _{1-x} Gd _x Ba ₂ Cu ₃ O ₇ -BaHfO ₃ Nanocomposite Films on Ni5W Substrates. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	3
7	Superconducting HfO ₂ -YBa ₂ Cu ₃ O _{7-δ} Nanocomposite Films Deposited Using Ink-Jet Printing of Colloidal Solutions. Coatings, 2020, 10, 17.	2.6	24
8	Rapid Pyrolysis of SmBa ₂ Cu ₃ O _{7-δ} Films in CSD-MOD Using Extremely-Low-Fluorine Solutions. Coatings, 2020, 10, 31.	2.6	9
9	CSD-Grown Y _{1-x} Gd _x Ba ₂ Cu ₃ O _{7-δ} -BaHfO ₃ Nanocomposite Films on Ni5W and IBAD Technical Substrates. Nanomaterials, 2020, 10, 21.	4.1	6
10	<i>RE</i> BCO mixtures with large difference in rare-earth ion size: superconducting properties of chemical solution deposition-grown Yb _{1-x} Sm _x Ba ₂ Cu ₃ O _{7-δ} films. Royal Society Open Science, 2020, 7, 201257.	2.4	5
11	Superconducting BaHfO ₃ -GdBa ₂ Cu ₃ O ₇ Nanocomposite Thin Films: Influence of Growth Temperature and Deposition Rate on Transport Properties. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
12	Chemical solution deposition of Y _{1-x} Gd _x Ba ₂ Cu ₃ O _{7-δ} -BaHfO ₃ nanocomposite films: combined influence of nanoparticles and rare-earth mixing on growth conditions and transport properties. RSC Advances, 2018, 8, 42398-42404.	3.6	15
13	Large critical current densities and pinning forces in CSD-grown superconducting GdBa ₂ Cu ₃ O _{7-δ} -BaHfO ₃ nanocomposite films. Superconductor Science and Technology, 2017, 30, 094007.	3.5	30
14	Atomic and electronic structures of BaHfO ₃ -doped TFA-MOD-derived YBa ₂ Cu ₃ O _{7-δ} thin films. Superconductor Science and Technology, 2015, 28, 115009.	3.5	10