Manuela Erbe

List of Publications by Year
in descending order

14	129	1307594 7	1281871 11
papers	citations	h-index	g-index

14	14	14	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large critical current densities and pinning forces in CSD-grown superconducting GdBa₂Cu₃O_{7â^'x}-BaHfO₃nanocomposite films. Superconductor Science and Technology, 2017, 30, 094007.	3.5	30
2	Superconducting HfO2-YBa2Cu3O7â^'Î´ Nanocomposite Films Deposited Using Ink-Jet Printing of Colloidal Solutions. Coatings, 2020, 10, 17.	2.6	24
3	Chemical solution deposition of Y_{1â^'x}Gd_xBa₂Cu₃O_{7â^'Î´}â€“BaHfO₃ 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
4	Atomic and electronic structures of BaHfO₃-doped TFA-MOD-derived YBa₂Cu₃O_{7â^'Î´}thin films. Superconductor Science and Technology, 2015, 28, 115009.	3.5	10
5	Rapid Pyrolysis of SmBa2Cu3O7-Î´ Films in CSD-MOD Using Extremely-Low-Fluorine Solutions. Coatings, 2020, 10, 31.	2.6	9
6	Microstructure, pinning properties, and aging of CSD-grown SmBa₂Cu₃O_{7â^'Î´} films with and without BaHfO₃ nanoparticles. Superconductor Science and Technology, 2022, 35, 084009.	3.5	8
7	Unravelling the Crystallization Process in Solution-Derived YBa₂Cu₃O_{7-Î´} Nanocomposite Films with Preformed ZrO₂ Nanocrystals via Definitive Screening Design. Journal of Physical Chemistry Letters, 2021, 12, 2118-2125.	4.6	7
8	CSD-Grown Y1â^'xGdxBa2Cu3O7â^'Î´-BaHfO3 Nanocomposite Films on Ni5W and IBAD Technical Substrates. Nanomaterials, 2020, 10, 21.	4.1	6
9	RE BCO mixtures with large difference in rare-earth ion size: superconducting properties of chemical solution deposition-grown Yb _{1â^' x} Sm _x Ba ₂ Cu ₃ O _{7â^'} _{Î´} films. Royal Society Open Science, 2020, 7, 201257.	2.4	5
10	Superconducting BaHfO₃â€“GdBa₂Cu₃O₇ 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
11	Importance of the pyrolysis for microstructure and superconducting properties of CSD-grown GdBa2Cu3O7â^'x-HfO2 nanocomposite films by the ex-situ approach. Scientific Reports, 2020, 10, 19469.	3.3	3
12	Improved Performance of CSD-Grown Y1- x Gd x Ba2Cu3O7-BaHfO3 Nanocomposite Films on Ni5W Substrates. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	3
13	Pinning analyses of a BaHfO₃-containing GdBa₂Cu₃O_{7â€Î´} thin film grown by chemical solution deposition. Superconductor Science and Technology, 2021, 34, 015009.	3.5	3
14	Determination of the Oxygen Chain Ordering in REBa₂Cu₃O_{7â€“Î´} by Electrical Conductivity Relaxation Measurements. ACS Applied Electronic Materials, 2021, 3, 5374-5382.	4.3	3