

# Laura Piperno

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

124  
citations

1307594

7  
h-index

1372567

10  
g-index

19  
all docs

19  
docs citations

19  
times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging of Precursor Solutions Used for YBCO Films Chemical Solution Deposition: Study of Mechanisms and Effects on Film Properties. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	14
2	Epitaxial Zr-doped CeO <sub>2</sub> films by chemical solution deposition as buffer layers for Fe(Se,Te) film growth. Superconductor Science and Technology, 2020, 33, 084004.	3.5	14
3	Polymer-assisted surface decoration for critical current enhancement in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films. Applied Surface Science, 2019, 484, 237-244.	6.1	11
4	Interaction between untreated SrTiO <sub>3</sub> substrates and solution-derived YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> films. Applied Surface Science, 2020, 528, 146402.	6.1	10
5	Microwave Measurements of Pinning Properties in Chemically Deposited YBCO/BZO Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	9
6	Zirconium distribution in solution-derived BaZrO <sub>3</sub> - YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> epitaxial thin films studied by X-ray photoelectron spectroscopy. Thin Solid Films, 2019, 669, 531-536.	1.8	9
7	Elucidation of the decomposition reactions of low-fluorine YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> precursors during film pyrolysis. Journal of Analytical and Applied Pyrolysis, 2020, 148, 104777.	5.5	8
8	CeO <sub>2</sub> -based buffer layers via chemical solution deposition: Critical issues and latest developments. Journal of the European Ceramic Society, 2021, 41, 2193-2206.	5.7	6
9	Proton Irradiation Effects on the Superconducting Properties of Fe(Se,Te) Thin Films. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
10	Chemical CeO <sub>2</sub> -Based Buffer Layers for Fe(Se,Te) Films. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
11	Correlated Disorder in YBCO and Composite YBCO Films Revealed by Means of Synchrotron X-Ray Diffraction. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	5
12	Surface Decoration as a Prospective Artificial Pinning Strategy in Superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> Films. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	5
13	Solution Refining for MOD-YBCO Optimization: An NMR Study. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	5
14	Fe(Se,Te) from melting routes: the influence of thermal processing on microstructure and superconducting properties. Superconductor Science and Technology, 2020, 33, 084007.	3.5	4
15	Stranger APCs: Study of Surface Decoration Material for YBCO Films. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
16	Nanostructured templates for critical current density enhancement in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> films. Superconductor Science and Technology, 2020, 33, 094003.	3.5	3
17	Low-Fluorine Ba-Deficient Solutions for High-Performance Superconducting YBCO Films. Coatings, 2021, 11, 199.	2.6	3
18	All-Chemical YBCO-Based Architecture Using a Simplified Multilayer Buffer Deposition. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Influence of Surface Faceting of RABiT-Type Metallic Substrate on Epitaxial Film Growth. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	1