

Anthony R Dennis

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

320
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Lithiation upon the Shear Strength of NMC811 Single Crystals. Journal of the Electrochemical Society, 2022, 169, 040511.	2.9	9
2	Inverse analysis of critical current density in a bulk high-temperature superconducting undulator. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2
3	Improved trapped field performance of single grain $YBaCuO$ bulk superconductors containing artificial holes. Journal of the American Ceramic Society, 2021, 104, 6309-6318.	3.8	10
4	A simple, reliable and robust reinforcement method for the fabrication of (RE) $BaCuO$ bulk superconductors. Superconductor Science and Technology, 2020, 33, 054005.	3.5	6
5	Biomimetic and electroactive 3D scaffolds for human neural crest-derived stem cell expansion and osteogenic differentiation. MRS Communications, 2020, 10, 179-187.	1.8	19
6	Buffer-assisted Top-seeded Infiltration and Growth for Fabricating Dense, Single-grain (RE)-Ba-Cu-O Bulk Superconductors. IEEJ Transactions on Power and Energy, 2020, 140, 148-153.	0.2	2
7	The Measurement and Modeling of the Levitation Force Between Single-Grain YBCO Bulk Superconductors and Permanent Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-10.	1.7	13
8	A portable magnetic field of >3 T generated by the flux jump assisted, pulsed field magnetization of bulk superconductors. Applied Physics Letters, 2017, 110, .	3.3	40
9	Processing and Properties of Bar-Shaped Single-Seeded and Multi-Seeded YBCO Bulk Superconductors by a Top-Seeded Melt Growth Technique. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1397-1403.	1.8	5
10	Full Magnetization of Bulk (RE) $Ba_2Cu_3O_{7-x}$ Magnets With Various Rare-Earth Elements Using Pulsed Fields at 77 K. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	13
11	Microstructural evolution in infiltration-growth processed MgB_2 bulk superconductors. Journal of the American Ceramic Society, 2017, 100, 2451-2460.	3.8	13
12	Factors Affecting the Growth of Multiseeded Superconducting Single Grains. Crystal Growth and Design, 2016, 16, 5110-5117.	3.0	15
13	Pulsed Field Magnetization of Single-Grain Bulk YBCO Processed From Graded Precursor Powders. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	6
14	A Reliable Method for Recycling (RE) $BaCuO$ (RE: Sm, Gd, Y) Bulk Superconductors. Journal of the American Ceramic Society, 2015, 98, 2760-2766.	3.8	18
15	Processing and Properties of Bulk $YBaCuO$ Superconductors Fabricated by Top Seeded Melt Growth from Precursor Pellets Containing a Graded CeO_2 Composition. Crystal Growth and Design, 2015, 15, 907-914.	3.0	24
16	Buffer Pellets for High-Yield, Top-Seeded Melt Growth of Large Grain $YBaCuO$ Superconductors. Crystal Growth and Design, 2015, 15, 1472-1480.	3.0	57
17	Use of Sm^{123} + Sm^{211} Mixed-Powder Buffers to Assist the Growth of SmBCO and ZrO ₂ -doped SmBCO Single Grain, Bulk Superconductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	6
18	The Influence of Y-211 Content on the Growth Rate and Y-211 Distribution in $YBaCuO$ Single Grains Fabricated by Top Seeded Melt Growth. Crystal Growth and Design, 2014, 14, 6367-6375.	3.0	44

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19	Seeded Infiltration and Growth of Bulk YBCO Nano-Composites. IEEE Transactions on Applied Superconductivity, 2011, 21, 2698-2701.	1.7	18