

Anthony R Dennis

List of Publications by Year in descending order

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19
papers

320
citations

840776

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docs citations

19
times ranked

284
citing authors

#	ARTICLE	IF	CITATIONS
1	Buffer Pellets for High-Yield, Top-Seeded Melt Growth of Large Grain Y-Ba-Cu-O Superconductors. <i>Crystal Growth and Design</i> , 2015, 15, 1472-1480.	3.0	57
2	The Influence of Y-211 Content on the Growth Rate and Y-211 Distribution in Y-Ba-Cu-O Single Grains Fabricated by Top Seeded Melt Growth. <i>Crystal Growth and Design</i> , 2014, 14, 6367-6375.	3.0	44
3	A portable magnetic field of ≈ 3 T generated by the flux jump assisted, pulsed field magnetization of bulk superconductors. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	40
4	Processing and Properties of Bulk Y-Ba-Cu-O Superconductors Fabricated by Top Seeded Melt Growth from Precursor Pellets Containing a Graded CeO_2 Composition. <i>Crystal Growth and Design</i> , 2015, 15, 907-914.	3.0	24
5	Biomimetic and electroactive 3D scaffolds for human neural crest-derived stem cell expansion and osteogenic differentiation. <i>MRS Communications</i> , 2020, 10, 179-187.	1.8	19
6	Seeded Infiltration and Growth of Bulk YBCO Nano-Composites. <i>IEEE Transactions on Applied Superconductivity</i> , 2011, 21, 2698-2701.	1.7	18
7	A Reliable Method for Recycling (RE) BaCuO (RE : Sm, Gd, Y) Bulk Superconductors. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2760-2766.	3.8	18
8	Factors Affecting the Growth of Multiseeded Superconducting Single Grains. <i>Crystal Growth and Design</i> , 2016, 16, 5110-5117.	3.0	15
9	Full Magnetization of Bulk $(\text{RE})\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ Magnets With Various Rare-Earth Elements Using Pulsed Fields at 77 K. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-4.	1.7	13
10	Microstructural evolution in infiltration-growth processed MgB_2 bulk superconductors. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2451-2460.	3.8	13
11	The Measurement and Modeling of the Levitation Force Between Single-Grain YBCO Bulk Superconductors and Permanent Magnets. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-10.	1.7	13
12	Improved trapped field performance of single grain Y-Ba-Cu-O bulk superconductors containing artificial holes. <i>Journal of the American Ceramic Society</i> , 2021, 104, 6309-6318.	3.8	10
13	Effect of Lithiation upon the Shear Strength of NMC811 Single Crystals. <i>Journal of the Electrochemical Society</i> , 2022, 169, 040511.	2.9	9
14	Use of $\text{Sm}^{123} + \text{Sm}^{211}$ Mixed-Powder Buffers to Assist the Growth of SmBCO and ZrO_2 -doped SmBCO Single Grain, Bulk Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.7	6
15	Pulsed Field Magnetization of Single-Grain Bulk YBCO Processed From Graded Precursor Powders. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-4.	1.7	6
16	A simple, reliable and robust reinforcement method for the fabrication of $(\text{RE})\text{BaCuO}$ bulk superconductors. <i>Superconductor Science and Technology</i> , 2020, 33, 054005.	3.5	6
17	Processing and Properties of Bar-Shaped Single-Seeded and Multi-Seeded YBCO Bulk Superconductors by a Top-Seeded Melt Growth Technique. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1397-1403.	1.8	5
18	Buffer-assisted Top-seeded Infiltration and Growth for Fabricating Dense, Single-grain $(\text{RE})\text{-Ba-Cu-O}$ Bulk Superconductors. <i>IEEE Transactions on Power and Energy</i> , 2020, 140, 148-153.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Inverse analysis of critical current density in a bulk high-temperature superconducting undulator. Physical Review Accelerators and Beams, 2022, 25, .	1.6	2