Anna Kario

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9835840/publications.pdf

Version: 2024-02-01

32	853	623734	477307
papers	citations	14	29
		h-index	g-index

32	32	32	742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Roebel cables from REBCO coated conductors: a one-century-old concept for the superconductivity of the future. Superconductor Science and Technology, 2014, 27, 093001.	3.5	228
2	Superconductors for fusion: a roadmap. Superconductor Science and Technology, 2021, 34, 103001.	3.5	81
3	How filaments can reduce AC losses in HTS coated conductors: a review. Superconductor Science and Technology, 2016, 29, 083002.	3.5	73
4	Magnetization ac loss reduction in HTS CORC^{Â®}cables made of striated coated conductors. Superconductor Science and Technology, 2015, 28, 104006.	3.5	46
5	Self-Field Effects and AC Losses in Pancake Coils Assembled From Coated Conductor Roebel Cables. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	45
6	The EuCARD2 Future Magnets Program for Particle Accelerator High-Field Dipoles: Review of Results and Next Steps. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-10.	1.7	40
7	Bending properties of different REBCO coated conductor tapes and Roebel cables atT= 77 K. Superconductor Science and Technology, 2016, 29, 125003.	3.5	36
8	First Cold Powering Test of REBCO Roebel Wound Coil for the EuCARD2 Future Magnet Development Project. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	31
9	HTS Roebel Cables: Self-Field Critical Current and AC Losses Under Simultaneous Application of Transport Current and Magnetic Field. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	28
10	AC Loss and Coupling Currents in YBCO Coated Conductors With Varying Number of Filaments. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-8.	1.7	25
11	Properties of hot pressed MgB2/Ti tapes. Physica C: Superconductivity and Its Applications, 2009, 469, 713-716.	1.2	23
12	AC Losses of Pancake Coils Made of Roebel Cable. IEEE Transactions on Applied Superconductivity, 2013, 23, 5900205-5900205.	1.7	23
13	AC Magnetization Loss and Transverse Resistivity of Striated YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	20
14	Double-Disordered HTS-Coated Conductors and Their Assemblies Aimed for Ultra-High Fields: Large Area Tapes. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	20
15	Influence of the Striation Process and the Thickness of the Cu-Stabilization on the AC Magnetization Loss of Striated REBCO Tape. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-9.	1.7	14
16	Length Uniformity of the Angular Dependences of <italic>I_c </italic> and <italic>n</italic> of Commercial REBCO Tapes with Artificial Pinning at 77 K. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.7	12
17	Synergetic Combination of LIMD With CHPD for the Production of Economical and High Performance $hbox{MgB}_{2}$ Wires. IEEE Transactions on Applied Superconductivity, 2013, 23, 6200704-6200704.	1.7	11
18	Toward Uniform Trapped Field Magnets Using a Stack of Roebel Cable Offcuts. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	11

#	Article	IF	Citations
19	High Energy Milled Ex Situ MgB2 as Precursor for Superconducting Tapes Without Critical Current Anisotropy. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2337-2341.	1.8	8
20	AC Losses of Roebel Cables with Striated 2G REBCO Strands. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	8
21	Inter-strand resistance and AC loss in resin-filler impregnated ReBCO Roebel cables. Superconductor Science and Technology, 2019, 32, 125002.	3.5	8
22	BOX: an efficient benchmark facility for the study and mitigation of interface-induced training in accelerator type high-field superconducting magnets. Superconductor Science and Technology, 2021, 34, 115008.	3.5	8
23	Defect structure and electrical conductivity in the Bi3+xNb0.8W0.2O7.1+3x/2 system. Solid State Ionics, 2010, 181, 1750-1756.	2.7	7
24	Anisotropic monoblock model for computing AC loss in partially coupled Roebel cables. Superconductor Science and Technology, 2020, 33, 094013.	3.5	7
25	Ex situMgB₂barrier behavior of monofilamentin situMgB₂wires with Glidcop^{Â®}sheath material. Superconductor Science and Technology, 2010, 23, 115007.	3.5	6
26	DC and AC Characterization of Pancake Coils Made From Roebel-Assembled Coated Conductor Cable. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	6
27	Interfilament Resistance at 77 K in Striated HTS Coated Conductors. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	6
28	Improved training in paraffin-wax impregnated Nb₃Sn Rutherford cables demonstrated in BOX samples. Superconductor Science and Technology, 2022, 35, 055014.	3.5	6
29	Effects of low levels of tungsten doping in bismuth niobates. Solid State Ionics, 2008, 179, 172-177.	2.7	5
30	Effect of heat treatment temperature on superconducting performance of B4C added MgB2/Nb conductors. Physica C: Superconductivity and Its Applications, 2012, 473, 34-40.	1.2	5
31	Isotropic behavior of critical current for MgB2 ex situ tapes with 5 wt.% carbon addition. Physica C: Superconductivity and Its Applications, 2012, 483, 222-224.	1.2	3
32	Designing HTS Roebel cables for low-field applications with open-source code. Physica C: Superconductivity and Its Applications, 2016, 530, 120-122.	1.2	3