Anna Kario

List of Publications by Year
in descending order

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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	Improved training in paraffin-wax impregnated Nb₃Sn Rutherford cables demonstrated in BOX samples. Superconductor Science and Technology, 2022, 35, 055014.	3.5	6
2	Superconductors for fusion: a roadmap. Superconductor Science and Technology, 2021, 34, 103001.	3.5	81
3	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
4	Anisotropic monoblock model for computing AC loss in partially coupled Roebel cables. Superconductor Science and Technology, 2020, 33, 094013.	3.5	7
5	Inter-strand resistance and AC loss in resin-filler impregnated ReBCO Roebel cables. Superconductor Science and Technology, 2019, 32, 125002.	3.5	8
6	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
7	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
8	AC Losses of Roebel Cables with Striated 2G REBCO Strands. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	8
9	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
10	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
11	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
12	Toward Uniform Trapped Field Magnets Using a Stack of Roebel Cable Offcuts. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	11
13	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
14	Interfilament Resistance at 77 K in Striated HTS Coated Conductors. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.7	6
15	How filaments can reduce AC losses in HTS coated conductors: a review. Superconductor Science and Technology, 2016, 29, 083002.	3.5	73
16	Bending properties of different REBCO coated conductor tapes and Roebel cables atT= 77 K. Superconductor Science and Technology, 2016, 29, 125003.	3.5	36
17	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
18	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

#	Article	IF	Citations
19	AC Magnetization Loss and Transverse Resistivity of Striated YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	20
20	Magnetization ac loss reduction in HTS CORC^{Â®}cables made of striated coated conductors. Superconductor Science and Technology, 2015, 28, 104006.	3.5	46
21	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
22	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
23	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
24	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
25	AC Losses of Pancake Coils Made of Roebel Cable. IEEE Transactions on Applied Superconductivity, 2013, 23, 5900205-5900205.	1.7	23
26	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
27	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
28	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
29	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
30	Ex situMgB₂barrier behavior of monofilamentin situMgB₂wires with Glidcop^{Â®}sheath material. Superconductor Science and Technology, 2010, 23, 115007.	3.5	6
31	Properties of hot pressed MgB2/Ti tapes. Physica C: Superconductivity and Its Applications, 2009, 469, 713-716.	1.2	23
32	Effects of low levels of tungsten doping in bismuth niobates. Solid State Ionics, 2008, 179, 172-177.	2.7	5