

Mark D Bird

List of Publications by Year in descending order

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19
papers

463
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

440
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR spectroscopy up to 35.2 T using a series-connected hybrid magnet. Journal of Magnetic Resonance, 2017, 284, 125-136.	2.1	122
2	Stress and strain analysis of a REBCO high field coil based on the distribution of shielding current. Superconductor Science and Technology, 2019, 32, 095005.	3.5	69
3	The 40 T Superconducting Magnet Project at the National High Magnetic Field Laboratory. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	54
4	Resistive magnet technology for hybrid inserts. Superconductor Science and Technology, 2004, 17, R19-R33.	3.5	32
5	Screening Currents and Hysteresis Losses in the REBCO Insert of the 32 T All-Superconducting Magnet Using T_A Homogenous Model. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	31
6	Current Sharing and AC Loss Measurements of a Cable-in-Conduit Conductor With $m \text{ Nb}_3\text{Sn}$ Strands for the High Field Section of the Series-Connected Hybrid Outsert Coil. IEEE Transactions on Applied Superconductivity, 2009, 19, 2466-2469.	1.7	28
7	Computing Strains Due to Screening Currents in REBCO Magnets. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	24
8	Progress in the Development of the HFML 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.7	17
9	Mechanical Analysis of the Superconducting Outsert for the Series Connected Hybrid Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 1608-1611.	1.7	13
10	Qualification Measurements of the Mid-Field and Low-Field CICC for the Series-Connected Hybrid Magnet With Effects of Electromagnetic Load Cycling and Longitudinal Strain. IEEE Transactions on Applied Superconductivity, 2010, 20, 1459-1462.	1.7	11
11	Fabrication Progress of the Outsert Coils of the Series-Connected Hybrid Magnets. IEEE Transactions on Applied Superconductivity, 2013, 23, 4300204-4300204.	1.7	11
12	The 36-T Series-Connected Hybrid Magnet System Design and Integration. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	11
13	Commissioning of the 36 T Series-Connected Hybrid Magnet at the NHMFL. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	11
14	Final Assembly of the Helmholtz-Zentrum Berlin Series-Connected Hybrid Magnet System. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	10
15	Reaction Heat Treatment and Epoxy Impregnation of a Large Nb_3Sn CICC Coil for a Series-Connected Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	6
16	Fabrication and Testing of a Bi-2223 Test Coil for High Field NMR Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	5
17	Test Results of the 36 T, 1 ppm Series-Connected Hybrid Magnet System at the NHMFL. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
18	Fabrication of the $\text{Nb}_3\text{Sn}/\text{Cu}$ CICC Coil and Cold Mass for the Radboud University HFML 45 T Hybrid Magnet. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	2

#	ARTICLE	IF	CITATIONS
19	Screening Current Induced Field Changes During De-Energization With Axial Clamping. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	2