Gian Luca Sabbi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A First Baseline for the Magnets in the High Luminosity LHC Insertion Regions. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	117
2	Magnet R&D for the US LHC Accelerator Research Program (LARP). IEEE Transactions on Applied Superconductivity, 2006, 16, 324-327.	1.7	86
3	Development of MQXF: The Nb ₃ Sn Low- <inline-formula> <tex-math notation="LaTeX">\$eta\$</tex-math </inline-formula> Quadrupole for the HiLumi LHC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.7	84
4	Magnet Design of the 150 mm Aperture Low- <formula formulatype="inline"><tex Notation="TeX">\$eta\$ </tex </formula> Quadrupoles for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.7	75
5	Development of Wind-and-React Bi-2212 Accelerator Magnet Technology. IEEE Transactions on Applied Superconductivity, 2008, 18, 516-519.	1.7	60
6	Limits of NbTi and \${m Nb}_{3}{m Sn}\$, and Development of W&R Bi–2212 High Field Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2007, 17, 1149-1152.	1.7	56
7	Wind-and-react Bi-2212 coil development for accelerator magnets. Superconductor Science and Technology, 2010, 23, 034022.	3.5	55
8	Design Studies for the Low-Beta Quadrupoles for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002405-4002405.	1.7	53
9	Design of HQ—A High Field Large Bore \${m Nb}_{3}{m Sn}\$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2009, 19, 1235-1239.	1.7	51
10	Test Results for HD1, a 16 Tesla <tex>\$hboxNb_hbox3hboxSn\$</tex> Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 345-348.	1.7	49
11	The High Luminosity LHC interaction region magnets towards series production. Superconductor Science and Technology, 2021, 34, 053001.	3.5	49
12	The HL-LHC Low-Î ² Quadrupole Magnet MQXF: From Short Models to Long Prototypes. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.7	47
13	A new support structure for high field magnets. IEEE Transactions on Applied Superconductivity, 2002, 12, 47-50.	1.7	46
14	Test Results of LARP \${m Nb}_{3}{m Sn}\$ Quadrupole Magnets Using a Shell-Based Support Structure (TQS). IEEE Transactions on Applied Superconductivity, 2009, 19, 1221-1225.	1.7	36
15	Recent Test Results of the High Field \${m Nb}_{3}{m Sn}\$ Dipole Magnet HD2. IEEE Transactions on Applied Superconductivity, 2010, 20, 292-295.	1.7	36
16	Design of HD2: A 15 Tesla <tex>\$rm Nb_3rm Sn\$</tex> Dipole With a 35 mm Bore. IEEE Transactions on Applied Superconductivity, 2005, 15, 1128-1131.	1.7	35
17	An approach for faster high field magnet technology development. IEEE Transactions on Applied Superconductivity, 2003, 13, 1258-1261.	1.7	33
18	Correlation Between Strand Stability and Magnet Performance. IEEE Transactions on Applied Superconductivity, 2005, 15, 1524-1528.	1.7	33

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19	Test results of TQS03: A LARP shell-based Nb3Sn quadrupole using 108/127 conductor. Journal of Physics: Conference Series, 2010, 234, 032010.	0.4	32
20	Design of a 120 mm Bore 15 T Quadrupole for the LHC Upgrade Phase II. IEEE Transactions on Applied Superconductivity, 2010, 20, 144-147.	1.7	31
21	Test Results of the First 3.7 m Long Nb3Sn Quadrupole by LARP and Future Plans. IEEE Transactions on Applied Superconductivity, 2011, 21, 1858-1862.	1.7	31
22	Development of a high gradient quadrupole for the LHC interaction regions. IEEE Transactions on Applied Superconductivity, 1997, 7, 751-754.	1.7	29
23	Progress in Wind-and-React Bi-2212 Accelerator Magnet Technology. IEEE Transactions on Applied Superconductivity, 2009, 19, 2228-2231.	1.7	29
24	Impact of Coil Compaction on \${hbox {Nb}}_{3}{hbox {Sn}}\$ LARP HQ Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4001904-4001904.	1.7	29
25	A review of conductor performance for the LARP high-gradient quadrupole magnets. Superconductor Science and Technology, 2013, 26, 095015.	3.5	29
26	Performance of the First Short Model 150-mm-Aperture Nb3Sn Quadrupole MQXFS for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	29
27	Performance of a \${m Nb}_{3}{m Sn}\$ Quadrupole Under High Stress. IEEE Transactions on Applied Superconductivity, 2011, 21, 1849-1853.	1.7	28
28	Design and Analysis of TQS01, a 90 mm <tex>\$hboxNb_3hboxSn\$</tex> Model Quadrupole for LHC Luminosity Upgrade Based on a Key and Bladder Assembly. IEEE Transactions on Applied Superconductivity, 2006, 16, 358-361.	1.7	27
29	Protecting a Full-Scale <inline-formula> <tex-math notation="TeX">\$hbox{Nb}_{3}hbox{Sn}\$</tex-math </inline-formula> Magnet With CLIQ, the New Coupling-Loss-Induced Quench System. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	27
30	Strain Distribution in REBCO-Coated Conductors Bent With the Constant-Perimeter Geometry. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-10.	1.7	27
31	Summary of Test Results of MQXFS1—The First Short Model 150 mm Aperture Nb3Sn Quadrupole for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	27
32	HD1: Design and Fabrication of a 16 Tesla <tex>\$hboxNb_3hboxSn\$</tex> Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2004, 14, 283-286.	1.7	26
33	Mechanical Design of HD2, a 15 T <tex>\$hboxNb_3hboxSn\$</tex> Dipole Magnet with a 35 mm Bore. IEEE Transactions on Applied Superconductivity, 2006, 16, 378-381.	1.7	25
34	Assembly and Test of HD2, a 36 mm Bore High Field \${m Nb}_{3}{m Sn}\$ Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2009, 19, 1240-1243.	1.7	25
35	Instrumentation and Quench Protection for LARP \${m Nb}_{3}{m Sn}\$ Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 2458-2462.	1.7	25
36	Cold Test Results of the LARP HQ \$hbox{Nb}_{3} hbox{Sn}\$ Quadrupole Magnet at 1.9 K. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002606-4002606.	1.7	25

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37	Development and Coil Fabrication for the LARP 3.7-m Long Nb3Sn Quadrupole. IEEE Transactions on Applied Superconductivity, 2009, 19, 1231-1234.	1.7	24
38	Mechanical Design of a Nb3Sn Superconducting Magnet System for a 45 GHz ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	24
39	Status of the LHC inner triplet quadrupole program at Fermilab. IEEE Transactions on Applied Superconductivity, 2001, 11, 1558-1561.	1.7	23
40	Development of TQC01, a 90 mm <tex>\$hboxNb_3hbox Sn\$</tex> Model Quadrupole for LHC Upgrade Based on SS Collar. IEEE Transactions on Applied Superconductivity, 2006, 16, 370-373.	1.7	23
41	Development and Test of LARP Technological Quadrupole (TQC) Magnet. IEEE Transactions on Applied Superconductivity, 2007, 17, 1126-1129.	1.7	23
42	Fabrication and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2009, 19, 1226-1230.	1.7	23
43	Superconducting ECR ion source: From 24-28 GHz SECRAL to 45 GHz fourth generation ECR. Review of Scientific Instruments, 2018, 89, 052301.	1.3	23
44	Test results of RD3c, a Nb/sub 3/Sn common-coil racetrack dipole magnet. IEEE Transactions on Applied Superconductivity, 2003, 13, 1292-1296.	1.7	22
45	Acoustic emission during quench training of superconducting accelerator magnets. Cryogenics, 2015, 69, 50-57.	1.7	22
46	Performance comparison of Nb/sub 3/Sn magnets at LBNL. IEEE Transactions on Applied Superconductivity, 2003, 13, 1254-1257.	1.7	21
47	Fabrication and Test of TQS01—A 90 mm \${m Nb}_{3}{m Sn}\$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 1122-1125.	1.7	21
48	Test Results of 15 T \${m Nb}_{3}{m Sn}\$ Quadrupole Magnet HQ01 with a 120 mm Bore for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2011, 21, 1854-1857.	1.7	21
49	Test Results of HD1b, an Upgraded 16 Tesla <tex>\$rm Nb_3rm Sn\$</tex> Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 1123-1127.	1.7	20
50	Fabrication and Test of a 3.7 m Long Support Structure for the LARP \${hbox{Nb}}_{3}{hbox{Sn}}\$ Quadrupole Magnet LQS01. IEEE Transactions on Applied Superconductivity, 2009, 19, 1106-1111.	1.7	20
51	Performance Characteristics of <inline-formula> <tex-math notation="TeX">\$hbox{Nb}_{3}hbox{Sn}\$</tex-math </inline-formula> Block-Coil Dipoles for a 100 TeV Hadron Collider. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-7.	1.7	20
52	Test Result of the Short Models MQXFS3 and MQXFS5 for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	20
53	Development of the 15 T \$hbox{Nb}_{3}hbox{Sn}\$ Dipole HD2. IEEE Transactions on Applied Superconductivity, 2008, 18, 277-280.	1.7	19
54	Fourth generation electron cyclotron resonance ion sources (invited). Review of Scientific Instruments, 2008, 79, 02A321.	1.3	19

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55	Concept for a fourth generation electron cyclotron resonance ion source. Review of Scientific Instruments, 2012, 83, 02A301.	1.3	19
56	Progress on HL-LHC Nb ₃ Sn Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-9.	1.7	19
57	Performance of HQ02, an Optimized Version of the 120 mm <formula formulatype="inline"><tex Notation="TeX"> \$hbox{Nb}_{3}hbox{Sn}\$</tex </formula> LARP Quadrupole. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	18
58	Development of a Large Aperture <tex>\$rm Nb_3rm Sn\$</tex> Racetrack Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 1132-1135.	1.7	17
59	Magnetic and Mechanical Analysis of the HQ Model Quadrupole Designs for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 281-284.	1.7	17
60	Design and Fabrication Experience With \$hbox{Nb}_{3} hbox{Sn}\$ Block-Type Coils for High Field Accelerator Dipoles. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002504-4002504.	1.7	17
61	Study of the react and wind technique for a Nb/sub 3/Sn common coil dipole. IEEE Transactions on Applied Superconductivity, 2000, 10, 338-341.	1.7	16
62	Fabrication and test of Nb/sub 3/Sn racetrack coils at high field. IEEE Transactions on Applied Superconductivity, 2001, 11, 2164-2167.	1.7	16
63	LARP Long \${m Nb}_{3}{m Sn}\$ Quadrupole Design. IEEE Transactions on Applied Superconductivity, 2008, 18, 268-272.	1.7	16
64	Mechanical Performance of the LARP Nb\$_{3}\$Sn Quadrupole Magnet LQS01. IEEE Transactions on Applied Superconductivity, 2011, 21, 1683-1687.	1.7	16
65	<pre>\$hbox{Nb}_{3}hbox{Sn}\$ IR Quadrupoles for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2013, 23, 4000707-4000707.</pre>	1.7	16
66	Multipoles Induced by Inter-Strand Coupling Currents in LARP <formula formulatype="inline"> <tex notation="TeX">\$hbox{Nb}_{3hbox{Sn}\$</tex></formula> Quadrupoles. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-7.	1.7	16
67	A new quench detection method for HTS magnets: stray-capacitance change monitoring. Physica Scripta, 2020, 95, 015002.	2.5	16
68	Conceptual design of a common coil dipole for VLHC. IEEE Transactions on Applied Superconductivity, 2000, 10, 330-333.	1.7	15
69	Nb/sub 3Sn quadrupole magnets for the IHC IR. IEEE Transactions on Applied Superconductivity, 2003, 13, 1262-1265.	1.7	15
70	Superconducting magnets and their applications. Proceedings of the IEEE, 2004, 92, 1675-1687.	21.3	15
71	Mechanical Analysis of the <tex>\$rm Nb_3rm Sn\$</tex> Dipole Magnet HD1. IEEE Transactions on Applied Superconductivity, 2005, 15, 1119-1122.	1.7	15
72	Design and Test of a \${hbox{Nb}}_{3}{hbox{Sn}}\$ Subscale Dipole Magnet for Training Studies. IEEE Transactions on Applied Superconductivity, 2007, 17, 1144-1148.	1.7	15

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73	Quench Performance of HQ01, a 120 mm Bore LARP Quadrupole for the LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2012, 22, 4702005-4702005.	1.7	15
74	Modeling of Interfilament Coupling Currents and Their Effect on Magnet Quench Protection. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-8.	1.7	15
75	Conceptual Design of a Large Aperture Dipole for Testing of Cables and Insert Coils at High Field. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	15
76	Geometric Field Errors of Short Models for MQXF, the Nb3Sn Low- $\hat{1}^2$ Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	15
77	Status of Nb/sub 3/Sn accelerator magnet R&D. IEEE Transactions on Applied Superconductivity, 2002, 12, 236-241.	1.7	14
78	Structure for an LHC 90 mm <tex>\$rm Nb_3rm Sn\$</tex> Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 1444-1447.	1.7	14
79	Test and Analysis of Technology Quadrupole Shell (TQS) Magnet Models for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 179-183.	1.7	14
80	Construction and Test of 3.6 m \${hbox{Nb}}_{3}{hbox{Sn}}\$ Racetrack Coils for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 171-174.	1.7	14
81	Assembly and Test of a Support Structure for 3.6 m Long \$hbox{Nb}_{3}hbox{Sn}\$ Racetrack Coils. IEEE Transactions on Applied Superconductivity, 2008, 18, 167-170.	1.7	14
82	Test Results of LARP 3.6 m \${m Nb}_{3}{m Sn}\$ Racetrack Coils Supported by Full-Length and Segmented Shell Structures. IEEE Transactions on Applied Superconductivity, 2009, 19, 1212-1216.	1.7	14
83	Cable deformation simulation and a hierarchical framework for Nb ₃ Sn Rutherford cables. Journal of Physics: Conference Series, 2010, 234, 022002.	0.4	14
84	Measurements on Subscale Y-Ba-Cu-O Racetrack Coils at 77 K and Self-Field. IEEE Transactions on Applied Superconductivity, 2010, 20, 368-372.	1.7	14
85	Test Results and Analysis of LQS03 Third Long \$ hbox{Nb}_{3}hbox{Sn}\$ Quadrupole by LARP. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002204-4002204.	1.7	14
86	Challenges in the Support Structure Design and Assembly of HD3, a \$hbox{Nb}_{3}hbox{Sn}\$ Block-Type Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001705-4001705.	1.7	14
87	Test of the High-Field \$hbox{Nb}_{3}hbox{Sn}\$ Dipole Magnet HD3b. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.7	14
88	Validation of Finite-Element Models of Persistent-Current Effects in Nb ₃ Sn Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	14
89	Quench Protection System Optimization for the High Luminosity LHC Nb \$_3\$Sn Quadrupoles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	14
90	Lessons Learned From the Prototypes of the MQXFA Low-Beta Quadrupoles for HL-LHC and Status of Production in the US. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	14

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91	Assembly and Tests of SQ02, a Nb\$_{3}\$Sn Racetrack Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 1019-1022.	1.7	13
92	Development and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2008, 18, 175-178.	1.7	13
93	Final Development and Test Preparation of the First 3.7 m Long Nb3Sn Quadrupole by LARP. IEEE Transactions on Applied Superconductivity, 2010, 20, 283-287.	1.7	13
94	Design of a High Field \${m Nb}_{3}{m Al}\$ Common Coil Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 176-179.	1.7	13
95	Mechanical Behavior of HQ01, a \${hbox{Nb}}_{3}hbox{Sn}\$ Accelerator-Quality Quadrupole Magnet for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901804-4901804.	1.7	13
96	Field Quality Measurements of LARP <formula formulatype="inline"><tex Notation="TeX">\$hbox{Nb}_{3} hbox{Sn}\$</tex </formula> Magnet HQ02. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	13
97	Test Results of the LARP HQ02b Magnet at 1.9 K. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	13
98	Quench Detection Utilizing Stray Capacitances. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	13
99	Analysis of Nb ₃ Sn Accelerator Magnet Training. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	13
100	Correction of high gradient quadrupole harmonics with magnetic shims. IEEE Transactions on Applied Superconductivity, 2000, 10, 123-126.	1.7	12
101	Field quality in Fermilab-built models of quadrupole magnets for the LHC interaction region. IEEE Transactions on Applied Superconductivity, 2001, 11, 1566-1569.	1.7	12
102	Mechanical Design of a Second Generation LHC IR Quadrupole. IEEE Transactions on Applied Superconductivity, 2004, 14, 235-238.	1.7	12
103	Design, development and test of 2 m quadrupole model magnets for the LHC inner triplet. IEEE Transactions on Applied Superconductivity, 1999, 9, 689-692.	1.7	11
104	Development of react and wind common coil dipoles for VLHC. IEEE Transactions on Applied Superconductivity, 2001, 11, 2172-2175.	1.7	11
105	Design of \${hbox{Nb}}_{3}{hbox{Sn}}\$ Coils for LARP Long Magnets. IEEE Transactions on Applied Superconductivity, 2007, 17, 1035-1038.	1.7	11
106	Reproducibility of the Coil Positioning in \${m Nb}_{3}{m Sn}\$ Magnet Models Through Magnetic Measurements. IEEE Transactions on Applied Superconductivity, 2009, 19, 1100-1105.	1.7	11
107	Fabrication of a Second-Generation of <formula formulatype="inline"><tex Notation="TeX">\$hbox{Nb}_{3} hbox{Sn}\$</tex </formula> Coils for the LARP HQ02 Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	11
108	Axial-Field Magnetic Quench Antenna for the Superconducting Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	11

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109	Test Results of the First Two Full-Length Prototype Quadrupole Magnets for the LHC Hi-Lumi Upgrade. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	11
110	Quench performance of Fermilab high gradient quadrupole short models for the LHC Interaction Regions. , 0, , .		10
111	Field quality in Fermilab-built models of high gradient quadrupole magnets for the LHC interaction regions. IEEE Transactions on Applied Superconductivity, 2000, 10, 107-110.	1.7	10
112	Magneto-Thermal Stability in LARP \${m Nb}_{3}{m Sn}\$ TQS Magnets. IEEE Transactions on Applied Superconductivity, 2010, 20, 274-278.	1.7	10
113	Fabrication of a Third Generation of <inline-formula> <tex-math notation="TeX">\$hbox{Nb}_{3}hbox{Sn}\$</tex-math </inline-formula> Coils for the LARP HQO3 Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	10
114	Test Results of the LARP Nb3Sn Quadrupole HQ03a. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	10
115	Design Study of a 16-T Block Dipole for FCC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10
116	Magnetic Measurements of the First Nb3Sn Model Quadrupole (MQXFS) for the High-Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	10
117	Superconducting Magnets for High Performance ECR Ion Sources. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	10
118	Overview of the Quench Heater Performance for MQXF, the Nb ₃ Sn Low- <italic>l²</italic> Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	10
119	Magnetic and Mechanical Analysis of a Large Aperture 15ÂT Cable Test Facility Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	10
120	Thermal, Electrical and Mechanical Response in <tex>\$hboxNb_3hboxSn\$</tex> Superconducting Coils. IEEE Transactions on Applied Superconductivity, 2004, 14, 361-364.	1.7	9
121	Measured Strain in <tex>\$rm Nb_3rm Sn\$</tex> Coils During Excitation and Quench. IEEE Transactions on Applied Superconductivity, 2005, 15, 1461-1464.	1.7	9
122	Differentiation of Performance-Limiting Voltage Transients during Nb3Sn Magnet Testing. AIP Conference Proceedings, 2006, , .	0.4	9
123	Design Studies of \${hbox{Nb}}_{3}{hbox{Sn}}\$ High-Gradient Quadrupole Models for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 1051-1054.	1.7	9
124	Test of a NbTi Superconducting Quadrupole Magnet Based on Alternating Helical Windings. IEEE Transactions on Applied Superconductivity, 2009, 19, 1195-1198.	1.7	9
125	Design of a \${m Nb}_{3}{m Sn}\$ Magnet for a 4th Generation ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2009, 19, 1336-1339.	1.7	9
126	Progress in the Long \${m Nb}_{3}{m Sn}\$ Quadrupole R&D by LARP. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003804-4003804.	1.7	9

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127	Design of LD1, a Large-Aperture High-Field \${m Nb}_{3}{m Sn}\$ Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901604-4901604.	1.7	9
128	Magnetic Design Optimization of a 150 mm Aperture <formula formulatype="inline"><tex Notation="TeX">\$ hbox{Nb}_{3}hbox{Sn}\$</tex </formula> Low-Beta Quadrupole for the HiLumi LHC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	9
129	Test Results of a Nb ₃ Al/Nb ₃ Sn Subscale Magnet for Accelerator Application. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	9
130	3D Mechanical Design and Stress Analysis of 20 T Common-Coil Dipole Magnet for SppC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	9
131	Magnetic and Mechanical Design of a 15-T Large Aperture Dipole Magnet for Cable Testing. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	9
132	Development of high performance Nb-Ti(Fe) multifilamentary superconductor for the LHC insertion quadrupoles. IEEE Transactions on Applied Superconductivity, 1999, 9, 1559-1562.	1.7	8
133	Development of superconducting quadrupoles for heavy ion fusion. , 0, , .		8
134	Fabrication and test results of a high field, Nb/sub 3/Sn superconducting racetrack dipole magnet. , 0, ,		8
135	Assembly and Test of SQ01b, a <tex>\$hboxNb_3hboxSn\$</tex> Quadrupole Magnet for the LHC Accelerator Research Program. IEEE Transactions on Applied Superconductivity, 2006, 16, 382-385.	1.7	8
136	Field Quality Measurements and Analysis of the LARP Technology Quadrupole Models. IEEE Transactions on Applied Superconductivity, 2008, 18, 184-187.	1.7	8
137	Assembly and Loading of LQS01, a Shell-Based 3.7 m Long \${m Nb}_{3}{m Sn}\$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2010, 20, 279-282.	1.7	8
138	Nb 3 Sn superconducting magnets for electron cyclotron resonance ion sources. Review of Scientific Instruments, 2010, 81, 02A309.	1.3	8
139	Quench Protection of a 16-T Block-Coil Dipole Magnet for a 100-TeV Hadron Collider Using CLIQ. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.7	8
140	Magnetic Quench Antenna for MQXF Quadrupoles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	8
141	Fabrication of First 4-m Coils for the LARP MQXFA Quadrupole and Assembly in Mirror Structure. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	8
142	Quench Protection Performance Measurements in the First MQXF Magnet Models. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	8
143	Design of racetrack coils for high-field dipole magnets. IEEE Transactions on Applied Superconductivity, 2001, 11, 2280-2283.	1.7	7
144	Optimization and Test of 120 mm LARP Nb\$_{3}\$Sn Quadrupole Coils Using Magnetic Mirror Structure. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003404-4003404.	1.7	7

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145	Test of Optimized 120-mm LARP \$hbox{Nb}_{3}hbox{Sn}\$ Quadrupole Coil Using Magnetic Mirror Structure. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001605-4001605.	1.7	7
146	Vertical Magnetic Measurements of the First Full-Length Prototype MQXFAP2 Quadrupole for the LHC Hi-Lumi Accelerator Upgrade Project. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.7	7
147	Field measurement of a Fermilab-built full scale prototype quadrupole magnet for the LHC interaction regions. IEEE Transactions on Applied Superconductivity, 2002, 12, 254-257.	1.7	6
148	Fabrication and Performance of <tex>\$hboxNb_3hboxSn\$</tex> Rutherford-Type Cable With Cu Added as a Separate Component. IEEE Transactions on Applied Superconductivity, 2004, 14, 971-974.	1.7	6
149	Performance Analysis of HD1: A 16 Tesla <tex>\$rm Nb_3rm Sn\$</tex> Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2005, 15, 1156-1159.	1.7	6
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