

# Gian Luca Sabbi

## List of Publications by Year in descending order

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times ranked

723  
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#	ARTICLE	IF	CITATIONS
1	Engineering Design of a Large Aperture 15 T Cable Test Facility Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
2	Field Quality of the 4.5-m-Long MQXFA Pre-Series Magnets for the HL-LHC Upgrade as Observed During Magnet Assembly. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
3	Magnetic and Mechanical Analysis of a Large Aperture 15 T Cable Test Facility Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	10
4	The High Luminosity LHC interaction region magnets towards series production. Superconductor Science and Technology, 2021, 34, 053001.	3.5	49
5	3D Mechanical Analysis of a Compact $\text{Nb}_3\text{Sn}$ IR Quadrupole for EIC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	0
6	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
7	Progress on the Upgrade of EDIPO, a 15 T Large Aperture Dipole. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	5
8	Magnetic Field Measurements of First Pre-series Full-Length 4.2 m Quadrupole MQXFA03 Using PCB Rotating Coils for the Hi-Lumi LHC Project. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-7.	1.7	2
9	Design and Construction of a High Field Cable Test Facility at Fermilab. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	5
10	Cable Design and Development for the High-Temperature Superconductor Cable Test Facility Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	3
11	A new quench detection method for HTS magnets: stray-capacitance change monitoring. Physica Scripta, 2020, 95, 015002.	2.5	16
12	Optimization of an Interaction Region Quadrupole Magnet for a Future Electron-Ion Collider at JLab. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	0
13	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
14	Magnetic and Mechanical 3-D Modelling of a 15 T Large Aperture Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	6
15	Erratum to "The HL-LHC Low- $\beta^2$ Quadrupole Magnet MQXF: From Short Models to Long Prototypes" [Aug 19 Art. no. 4001309]. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-1.	1.7	0
16	Analysis of $\text{Nb}_3\text{Sn}$ Accelerator Magnet Training. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	13
17	Magnetic Analysis of the MQXF Quadrupole for the High-Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3
18	Quench Protection of the First 4-m-Long Prototype of the HL-LHC $\text{Nb}_3\text{Sn}$ Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	3

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19	Field Quality Measurement of a 4.2-m-Long Prototype Low- $\beta$ Nb <sub>3</sub> Sn Quadrupole Magnet During the Assembly Stage for the High-Luminosity LHC Accelerator Upgrade Project. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	4
20	The HL-LHC Low- $\beta^2$ Quadrupole Magnet MQXF: From Short Models to Long Prototypes. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-9.	1.7	47
21	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
22	Field Quality of HD3 $\beta^2$ Nb <sub>3</sub> Sn Dipole Magnet Based on Block Design. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.7	3
23	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
24	The HD Block-Coil Dipole Program at LBNL. Particle Acceleration and Detection, 2019, , 285-310.	0.5	1
25	Quench Protection Performance Measurements in the First MQXF Magnet Models. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	8
26	Quench Protection of a Nb <sub>3</sub> Sn Superconducting Magnet System for a 45-GHz ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	4
27	Superconducting Magnets for High Performance ECR Ion Sources. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	10
28	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
29	Summary of Test Results of MQXFS1 $\beta^2$ The First Short Model 150 mm Aperture Nb <sub>3</sub> Sn Quadrupole for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	27
30	Quench Location in the LARP MQXFS1 Prototype. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	5
31	Overview of the Quench Heater Performance for MQXF, the Nb <sub>3</sub> Sn Low- $\beta^2$ Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	10
32	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
33	Quench Detection Utilizing Stray Capacitances. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	13
34	Mechanical Design of a Nb <sub>3</sub> Sn Superconducting Magnet System for a 45 GHz ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	24
35	Design of a Compact 16 T Common-Coil Dipole for Future Colliders. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	3
36	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

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37	Progress on HL-LHC Nb <sub>3</sub> Sn Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-9.	1.7	19
38	Geometric Field Errors of Short Models for MQXF, the Nb <sub>3</sub> Sn Low- $\beta^2$ Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.7	15
39	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
40	Analysis of Field Errors for LARP Nb <sub>3</sub> Sn HQ03 Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	3
41	Magnetic Measurements of the First Nb <sub>3</sub> Sn Model Quadrupole (MQXFS) for the High-Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	10
42	Modeling of Interfilament Coupling Currents and Their Effect on Magnet Quench Protection. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-8.	1.7	15
43	Magnetic Analysis of the Nb <sub>3</sub> Sn Low-Beta Quadrupole for the High-Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	6
44	Quench Protection System Optimization for the High Luminosity LHC Nb <sub>3</sub> Sn Quadrupoles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.7	14
45	Performance of the First Short Model 150-mm-Aperture Nb <sub>3</sub> Sn Quadrupole MQXFS for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	29
46	Magnetic Quench Antenna for MQXF Quadrupoles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	8
47	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
48	Strain Distribution in REBCO-Coated Conductors Bent With the Constant-Perimeter Geometry. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-10.	1.7	27
49	Field Quality and Fabrication Analysis of HQ02 Reconstructed Nb <sub>3</sub> Sn Coil Cross Sections. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	2
50	Test Results of the LARP Nb <sub>3</sub> Sn Quadrupole HQ03a. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	10
51	Protection Heater Design Validation for the LARP Magnets Using Thermal Imaging. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	0
52	Performance correlation between YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7<math>\delta</math></sub> coils and short samples for coil technology development. Superconductor Science and Technology, 2016, 29, 065007.	3.5	6
53	Development of MQXF: The Nb <sub>3</sub> Sn Low- $\beta^2$ Quadrupole for the HiLumi LHC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.7	84
54	Design Study of a 16-T Block Dipole for FCC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	10

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55	Fabrication and Analysis of 150 mm Aperture Nb <sub>3</sub> Al/Nb <sub>3</sub> Sn LARP MQXF Coils. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.7	4
56	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
57	Measurements and Analysis of Dynamic Effects in the LARP Model Quadrupole HQ02b During Rapid Discharge. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	3
58	Performance Characteristics of $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Block-Coil Dipoles for a 100 TeV Hadron Collider. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-7.	1.7	20
59	Protecting a Full-Scale $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Magnet With CLIQ, the New Coupling-Loss-Induced Quench System. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	27
60	Validation of Finite-Element Models of Persistent-Current Effects in Nb <sub>3</sub> Al/Nb <sub>3</sub> Sn Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	14
61	Fabrication of a Third Generation of $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Coils for the LARP HQ03 Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	10
62	Axial-Field Magnetic Quench Antenna for the Superconducting Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	11
63	Test Results of the LARP HQ02b Magnet at 1.9 K. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-6.	1.7	13
64	Test Results of a Nb <sub>3</sub> Al/Nb <sub>3</sub> Sn Subscale Magnet for Accelerator Application. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	9
65	Acoustic emission during quench training of superconducting accelerator magnets. Cryogenics, 2015, 69, 50-57.	1.7	22
66	Characterization of insulating coatings for wind-and-react coil fabrication. AIP Conference Proceedings, 2014, , .	0.4	3
67	Fabrication of a Second-Generation of $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Coils for the LARP HQ02 Quadrupole Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	11
68	Test of the High-Field $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Dipole Magnet HD3b. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.7	14
69	Multipoles Induced by Inter-Strand Coupling Currents in LARP $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Quadrupoles. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-7.	1.7	16
70	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
71	Performance of HQ02, an Optimized Version of the 120 mm $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ LARP Quadrupole. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	18
72	Magnetic Design Optimization of a 150 mm Aperture $\text{Nb}_3\text{Al}/\text{Nb}_3\text{Sn}$ Low-Beta Quadrupole for the HiLumi LHC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	9

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73	Design of a 150-mm Coil Support Structure With Accelerator Integration Features for LARP <math>\text{Nb}_3\text{Sn}</math> Quadrupole Magnets. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	1
74	Magnet Design of the 150 mm Aperture Low- $\beta$ Quadrupoles for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.7	75
75	Field Quality Measurements of LARP $\text{Nb}_3\text{Sn}$ Magnet HQ02. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	13
76	Test of Optimized 120-mm LARP $\text{Nb}_3\text{Sn}$ Quadrupole Coil Using Magnetic Mirror Structure. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001605-4001605.	1.7	7
77	$\text{Nb}_3\text{Sn}$ IR Quadrupoles for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2013, 23, 4000707-4000707.	1.7	16
78	Test Results and Analysis of LQS03 Third Long $\text{Nb}_3\text{Sn}$ Quadrupole by LARP. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002204-4002204.	1.7	14
79	Development of a $\text{Nb}_3\text{Al}$ and $\text{Nb}_3\text{Sn}$ Subscale Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 4300605-4300605.	1.7	1
80	Challenges in the Support Structure Design and Assembly of HD3, a $\text{Nb}_3\text{Sn}$ Block-Type Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001705-4001705.	1.7	14
81	Design and Fabrication Experience With $\text{Nb}_3\text{Sn}$ Block-Type Coils for High Field Accelerator Dipoles. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002504-4002504.	1.7	17
82	Cold Test Results of the LARP HQ $\text{Nb}_3\text{Sn}$ Quadrupole Magnet at 1.9 K. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002606-4002606.	1.7	25
83	Design Studies for the Low-Beta Quadrupoles for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002405-4002405.	1.7	53
84	A review of conductor performance for the LARP high-gradient quadrupole magnets. Superconductor Science and Technology, 2013, 26, 095015.	3.5	29
85	ASC 2012 Introduction. IEEE Transactions on Applied Superconductivity, 2013, 23, 0001301-0001301.	1.7	1
86	Quench protection challenges in long $\text{Nb}_3\text{Sn}$ accelerator magnets. AIP Conference Proceedings, 2012, , .	0.4	4
87	Novel methods for the measurement of the critical current of superconducting wires. , 2012, , .		2
88	Concept for a fourth generation electron cyclotron resonance ion source. Review of Scientific Instruments, 2012, 83, 02A301.	1.3	19
89	Impact of Coil Compaction on $\text{Nb}_3\text{Sn}$ LARP HQ Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4001904-4001904.	1.7	29
90	Steady State Heat Deposits Modeling in the $\text{Nb}_3\text{Sn}$ Quadrupole Magnets for the Upgrade of the LHC Inner Triplet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003704-4003704.	1.7	1

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91	Field Quality Study of the LARP $\text{Nb}_3\text{Sn}$ 3.7 m-Long Quadrupole Models of LQ series. IEEE Transactions on Applied Superconductivity, 2012, 22, 9002804-9002804.	1.7	1
92	Mechanical Behavior of HQ01, a $\text{Nb}_3\text{Sn}$ Accelerator-Quality Quadrupole Magnet for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901804-4901804.	1.7	13
93	Progress in the Long $\text{Nb}_3\text{Sn}$ Quadrupole R&D by LARP. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003804-4003804.	1.7	9
94	Optimization and Test of 120 mm LARP $\text{Nb}_3\text{Sn}$ Quadrupole Coils Using Magnetic Mirror Structure. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003404-4003404.	1.7	7
95	Mechanical Design, Assembly and Testing of a Support Structure for LARP $\text{Nb}_3\text{Sn}$ Quadrupole Magnets for LHC. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003503-4003503.	1.7	2
96	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
97	Design of LD1, a Large-Aperture High-Field $\text{Nb}_3\text{Sn}$ Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901604-4901604.	1.7	9
98	Heat Treatment Optimizations for Wind-and-React Bi-2212 Racetrack Coils. Physics Procedia, 2012, 36, 812-817.	1.2	5
99	Alternative Mechanical Structure for LARP $\text{Nb}_3\text{Sn}$ Quadrupoles. IEEE Transactions on Applied Superconductivity, 2011, 21, 1773-1776.	1.7	2
100	Performance of a $\text{Nb}_3\text{Sn}$ Quadrupole Under High Stress. IEEE Transactions on Applied Superconductivity, 2011, 21, 1849-1853.	1.7	28
101	Test Results of 15 T $\text{Nb}_3\text{Sn}$ 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
102	Test Results of the First 3.7 m Long $\text{Nb}_3\text{Sn}$ Quadrupole by LARP and Future Plans. IEEE Transactions on Applied Superconductivity, 2011, 21, 1858-1862.	1.7	31
103	Field Quality of the First LARP $\text{Nb}_3\text{Sn}$ 3.7 m-Long Quadrupole Model of LQ Series. IEEE Transactions on Applied Superconductivity, 2011, 21, 1688-1691.	1.7	1
104	Mechanical Performance of the LARP $\text{Nb}_3\text{Sn}$ Quadrupole Magnet LQS01. IEEE Transactions on Applied Superconductivity, 2011, 21, 1683-1687.	1.7	16
105	Cable deformation simulation and a hierarchical framework for $\text{Nb}_3\text{Sn}$ Rutherford cables. Journal of Physics: Conference Series, 2010, 234, 022002.	0.4	14
106	Analysis of voltage signals from superconducting accelerator magnets. Cryogenics, 2010, 50, 204-214.	1.7	1
107	Test results of TQS03: A LARP shell-based $\text{Nb}_3\text{Sn}$ quadrupole using 108/127 conductor. Journal of Physics: Conference Series, 2010, 234, 032010.	0.4	32
108	Wind-and-react Bi-2212 coil development for accelerator magnets. Superconductor Science and Technology, 2010, 23, 034022.	3.5	55



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109	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
110	Magneto-Thermal Stability in LARP $\text{Nb}_3\text{Sn}$ TQS Magnets. IEEE Transactions on Applied Superconductivity, 2010, 20, 274-278.	1.7	10
111	Assembly and Loading of LQS01, a Shell-Based 3.7 m Long $\text{Nb}_3\text{Sn}$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2010, 20, 279-282.	1.7	8
112	Nb <sub>3</sub> Sn superconducting magnets for electron cyclotron resonance ion sources. Review of Scientific Instruments, 2010, 81, 02A309.	1.3	8
113	Final Development and Test Preparation of the First 3.7 m Long Nb <sub>3</sub> Sn Quadrupole by LARP. IEEE Transactions on Applied Superconductivity, 2010, 20, 283-287.	1.7	13
114	Recent Test Results of the High Field $\text{Nb}_3\text{Sn}$ Dipole Magnet HD2. IEEE Transactions on Applied Superconductivity, 2010, 20, 292-295.	1.7	36
115	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
116	Design of a High Field $\text{Nb}_3\text{Al}$ Common Coil Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 176-179.	1.7	13
117	Assembly and Test of HD2, a 36 mm Bore High Field $\text{Nb}_3\text{Sn}$ Dipole Magnet. IEEE Transactions on Applied Superconductivity, 2009, 19, 1240-1243.	1.7	25
118	Instrumentation and Quench Protection for LARP $\text{Nb}_3\text{Sn}$ Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 2458-2462.	1.7	25
119	Test of a NbTi Superconducting Quadrupole Magnet Based on Alternating Helical Windings. IEEE Transactions on Applied Superconductivity, 2009, 19, 1195-1198.	1.7	9
120	Design of a $\text{Nb}_3\text{Sn}$ Magnet for a 4th Generation ECR Ion Source. IEEE Transactions on Applied Superconductivity, 2009, 19, 1336-1339.	1.7	9
121	Development and Coil Fabrication for the LARP 3.7-m Long Nb <sub>3</sub> Sn Quadrupole. IEEE Transactions on Applied Superconductivity, 2009, 19, 1231-1234.	1.7	24
122	Reproducibility of the Coil Positioning in $\text{Nb}_3\text{Sn}$ Magnet Models Through Magnetic Measurements. IEEE Transactions on Applied Superconductivity, 2009, 19, 1100-1105.	1.7	11
123	Test Results of LARP $\text{Nb}_3\text{Sn}$ Quadrupole Magnets Using a Shell-Based Support Structure (TQS). IEEE Transactions on Applied Superconductivity, 2009, 19, 1221-1225.	1.7	36
124	Fabrication and Test of a 3.7 m Long Support Structure for the LARP $\text{Nb}_3\text{Sn}$ Quadrupole Magnet LQS01. IEEE Transactions on Applied Superconductivity, 2009, 19, 1106-1111.	1.7	20
125	Test Results of LARP 3.6 m $\text{Nb}_3\text{Sn}$ Racetrack Coils Supported by Full-Length and Segmented Shell Structures. IEEE Transactions on Applied Superconductivity, 2009, 19, 1212-1216.	1.7	14
126	Progress in Wind-and-React Bi-2212 Accelerator Magnet Technology. IEEE Transactions on Applied Superconductivity, 2009, 19, 2228-2231.	1.7	29



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127	Design of HQ“ A High Field Large Bore $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2009, 19, 1235-1239.	1.7	51
128	Use of High Resolution DAQ System to Aid Diagnosis of HD2b, a High Performance $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Dipole. IEEE Transactions on Applied Superconductivity, 2009, 19, 2345-2349.	1.7	4
129	Fabrication and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2009, 19, 1226-1230.	1.7	23
130	Development of Wind-and-React Bi-2212 Accelerator Magnet Technology. IEEE Transactions on Applied Superconductivity, 2008, 18, 516-519.	1.7	60
131	Magnetic and Mechanical Analysis of the HQ Model Quadrupole Designs for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 281-284.	1.7	17
132	Test and Analysis of Technology Quadrupole Shell (TQS) Magnet Models for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 179-183.	1.7	14
133	Effect of Axial Loading on Quench Performance in $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Magnets. IEEE Transactions on Applied Superconductivity, 2008, 18, 285-288.	1.7	3
134	Measurement of Fast Voltage Transients in High-Performance $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Magnets. IEEE Transactions on Applied Superconductivity, 2008, 18, 1581-1584.	1.7	2
135	Construction and Test of 3.6 m $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Racetrack Coils for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 171-174.	1.7	14
136	LARP Long $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Quadrupole Design. IEEE Transactions on Applied Superconductivity, 2008, 18, 268-272.	1.7	16
137	Development of the 15 T $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Dipole HD2. IEEE Transactions on Applied Superconductivity, 2008, 18, 277-280.	1.7	19
138	Field Quality Measurements and Analysis of the LARP Technology Quadrupole Models. IEEE Transactions on Applied Superconductivity, 2008, 18, 184-187.	1.7	8
139	Assembly and Test of a Support Structure for 3.6 m Long $\{m\text{Nb}\}_{\{3\}}\{m\text{Sn}\}$ Racetrack Coils. IEEE Transactions on Applied Superconductivity, 2008, 18, 167-170.	1.7	14
140	Development and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2008, 18, 175-178.	1.7	13
141	Fourth generation electron cyclotron resonance ion sources (invited). Review of Scientific Instruments, 2008, 79, 02A321.	1.3	19
142	Energy deposition studies of block-coil quadrupoles for the LHC luminosity upgrade. , 2007, , .		1
143	Development and Test of LARP Technological Quadrupole (TQC) Magnet. IEEE Transactions on Applied Superconductivity, 2007, 17, 1126-1129.	1.7	23
144	Technical challenges for head-on collisions and extraction at the ILC. , 2007, , .		3

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