

Ezio Todesco

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Assembly and Pre-Loading Specifications for the Series Production of the Nb ₃ Sn MQXFA Quadrupole Magnets for the HL-LHC. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	5
2	Fine Tuning of the Inner Dipole Design of MCBXF Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
3	Magnetic Measurements Results and Analysis of the First Batches of Superferric Magnets for the HL-LHC High Order Field Correction. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	6
4	The HL-LHC High Order Correctors Series Production and Powering Tests Status. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
5	Modelling V-I Measurements of Nb ₃ Sn Accelerator Magnets With Conductor Degradation. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
6	Test Result of a Full-Scale Prototype of Beam Separation Dipole Magnet for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.1	3
7	Magnetic Measurements of a Full-Scale Prototype of the HL-LHC Beam Separation Dipole. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.1	3
8	Design of the Fermilab Pre-Series Cold Mass for the HL-LHC Accelerator Upgrade Project. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.1	1
9	Power Test of the First Two HL-LHC Insertion Quadrupole Magnets Built at CERN. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	8
10	The Separation-Recombination Dipole MBRD for the High-Luminosity LHC: From Prototype to Series. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
11	Protection Strategy and Quench Study of MCBXF Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
12	Quench Behavior of Prototype Nb-Ti HL-LHC Dipole Canted Cos-Theta Orbit Corrector Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
13	Test Results of the MQYYM: A 90 Mm NbTi Quadrupole Magnet Option for HL-LHC. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	1
14	Performance of a MQXF Nb ₃ Sn Quadrupole Magnet Under Different Stress Level. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	3
15	Fabrication and Power Test of Last MCBXFB Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	3
16	The High Luminosity LHC interaction region magnets towards series production. Superconductor Science and Technology, 2021, 34, 053001.	1.8	49
17	Fabrication and Power Test of the Second MCBXFB Nested Orbit Corrector Prototype for HL-LHC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	6
18	Powering Performance and Endurance Beyond Design Limits of HL-LHC Low-Beta Quadrupole Model Magnets. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	6

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19	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.	1.1	14
20	Optimization of the High Order Correctors for HL-LHC Toward the Series Production. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	9
21	Completion of the Test Phase for the Hilumi LHC Skew Quadrupole Corrector Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	10
22	Assessment of MQXF Quench Heater Insulation Strength and Test of Modified Design. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	3
23	Assembly and Warm Magnetic Measurement of MQYYM: A 90 mm NbTi Quadrupole Magnet Option for HL-LHC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
24	The Development of the Superconducting Dipoles D2 for the High Luminosity Upgrade of LHC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	6
25	Quench Protection Studies for the High Luminosity LHC Nb ₃ Sn Quadrupole Magnets. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	12
26	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.	1.1	2
27	Study of the Heater-Coil Electrical Insulation for the HL-LHC Low Beta Quadrupoles. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	1
28	Progress in the Development of the Nb ₃ Sn MQXFB Quadrupole for the HiLumi Upgrade of the LHC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-7.	1.1	11
29	Assembly and Test of the HL-LHC Twin Aperture Orbit Corrector Based on Canted Cos-Theta Design. Journal of Physics: Conference Series, 2020, 1559, 012070.	0.3	7
30	Power Tests of the First Nested Orbit Corrector Prototype for HL-LHC. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	8
31	The HL-LHC Short Model Recombination D2 Dipole: Cold Test Results and Analysis. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	6
32	Preload Characterization of Short Models of MQXF the Nb ₃ Sn Low- \hat{I}^2 Quadrupole for the Hi-Lumi LHC. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	6
33	Improvement in Training Performance by Enhancing Coil Mechanical Support in the Beam Separation Dipole Model Magnet for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	4
34	Magnetic Field Design of a Full-Scale Prototype of the HL-LHC Beam Separation Dipole With Geometrical and Iron-Saturation Corrections. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.1	4
35	Mechanical Analysis and Assembly of MQYYM: A 90 mm NbTi Quadrupole Magnet Option for HL-LHC. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	2
36	Test of the First Full-Length Prototype of the HL-LHC D2 Orbit Corrector Based on Canted Cosine Theta Technology. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7

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55	Development of MQYY: A 90-mm NbTi Double Aperture Quadrupole Magnet for HL-LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
56	Development of a Short Model of the Superconducting Separation Dipoles D2 for the High Luminosity Upgrade of LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	13
57	A Statistical Analysis of Electrical Faults in the LHC Superconducting Magnets and Circuits. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	6
58	Status of the Activity for the Construction of the HL-LHC Superconducting High Order Corrector Magnets at LASA-Milan. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	19
59	Training Performance With Increased Coil Prestress of the 2 m Model Magnet of Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	9
60	Overview of the Quench Heater Performance for MQXF, the Nb ₃ Sn Low- \hat{I}^2 Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	10
61	Comparison of Cold Powering Performance of 2-m-Long Nb ₃ Sn 11 T Model Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	9
62	Status of the 16 T Dipole Development Program for a Future Hadron Collider. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	36
63	Training of the Main Dipoles Magnets in the Large Hadron Collider Toward 7 TeV Operation. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	1
64	Magnetic Measurements on the First CERN-Built Models of the Insertion Quadrupole MQXF for HL-LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	8
65	Construction and Cold Test of the Superferric Octupole for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	18
66	Hi-Lumi LHC Twin Aperture Orbit Correctors 0.5-m Model Magnet Development and Cold Test. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	24
67	Progress on HL-LHC Nb ₃ Sn Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-9.	1.1	19
68	Geometric Field Errors of Short Models for MQXF, the Nb ₃ Sn Low- \hat{I}^2 Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	15
69	Influence of 3-D Effects on Field Quality in the Straight Part of Accelerator Magnets for the High-Luminosity Large Hadron Collider. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	4
70	Test Result of the Short Models MQXFS3 and MQXFS5 for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	20
71	Quench Protection Heater Study With the 2-m Model Magnet of Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	7
72	Field Measurement to Evaluate Iron Saturation and Coil End Effects in a Modified Model Magnet of Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	5

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73	Magnetic Field Measurement of 2-m-Long Model of Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	12
74	Hi-Lumi LHC Twin-Aperture Orbit Correctors Magnet System Optimisation. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	22
75	Fabrication and Test Results of the First 2 m Model Magnet of Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-9.	1.1	12
76	Construction and Cold Test of the First Superferric Corrector Magnet for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	19
77	Quench Protection System Optimization for the High Luminosity LHC Nb ₃ Sn Quadrupoles. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.1	14
78	Performance of the First Short Model 150-mm-Aperture Nb ₃ Sn Quadrupole MQXFS for the High-Luminosity LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	29
79	Development of the Superferric Sextupole Corrector Magnet for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	20
80	Development of MQXF: The Nb ₃ Sn Low- β Quadrupole for the HiLumi LHC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-7.	1.1	84
81	The Design of Superconducting Separation Dipoles D2 for the High Luminosity Upgrade of LHC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	19
82	Second-Generation Coil Design of the Nb ₃ Sn low- β Quadrupole for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	20
83	Field Quality and Mechanical Analysis of the Beam Separation Dipole for HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	17
84	NbTi Superferric Corrector Magnets for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	25
85	Study of Quench Protection for the Nb ₃ Sn Low- β^2 Quadrupole for the LHC Luminosity Upgrade (HiLumi-LHC). IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	12
86	Model Magnet Development of D1 Beam Separation Dipole for the HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	24
87	A First Baseline for the Magnets in the High Luminosity LHC Insertion Regions. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	117
88	Magnet Design of the 150 mm Aperture Low- β Quadrupoles for the High Luminosity LHC. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-6.	1.1	75
89	Design Studies for the Low-Beta Quadrupoles for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2013, 23, 4002405-4002405.	1.1	53
90	Conceptual Design of a Large-Aperture Dipole Magnet for HL-LHC Upgrade. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901404-4901404.	1.1	15

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91	Advanced Accelerator Magnets for Upgrading the LHC. IEEE Transactions on Applied Superconductivity, 2012, 22, 4002008-4002008.	1.1	162
92	Predicting the Quench Behavior of the LHC Dipoles During Commissioning. IEEE Transactions on Applied Superconductivity, 2010, 20, 135-139.	1.1	11
93	Reproducibility of the Coil Positioning in $\text{m Nb}_3\text{Sn}$ Magnet Models Through Magnetic Measurements. IEEE Transactions on Applied Superconductivity, 2009, 19, 1100-1105.	1.1	11