

# Emanuela Barzi

## List of Publications by Year in descending order

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171  
docs citations

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times ranked

6912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Positive Muon Anomalous Magnetic Moment to 0.46 ppm. Physical Review Letters, 2021, 126, 141801.	7.8	991
2	$J/\psi$ and $\psi(2S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 572-577.	7.8	305
3	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1997, 56, 3811-3832.	4.7	246
4	Production of $J/\psi$ Mesons from $\psi$ Meson Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 578-583.	7.8	234
5	Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1996, 77, 438-443.	7.8	201
6	Search for New Gauge Bosons Decaying into Dileptons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 2192-2197.	7.8	147
7	Search for Flavor-Changing Neutral Current Decays of the Top Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1998, 80, 2525-2530.	7.8	127
8	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 584-589.	7.8	114
9	Search for new particles decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268.	4.7	108
10	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. Physical Review Letters, 1997, 79, 357-362.	7.8	92
11	Magnet R&D for the US LHC Accelerator Research Program (LARP). IEEE Transactions on Applied Superconductivity, 2006, 16, 324-327.	1.7	86
12	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	7.8	84
13	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. Physical Review Letters, 1996, 77, 5336-5341.	7.8	76
14	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	7.8	75
15	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV $p\bar{p}$ Collisions. Physical Review Letters, 1997, 79, 2198-2203.	7.8	69
16	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. Physical Review Letters, 1998, 80, 1156-1161.	7.8	69
17	Measurement of $b\bar{b}$ production correlations, $B^0\bar{B}^0$ mixing, and a limit on $\mu$ Bin $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1997, 55, 2546-2558.	4.7	68
18	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. Physical Review Letters, 1997, 79, 1992-1997.	7.8	65

#	ARTICLE	IF	CITATIONS
19	Search for Third Generation Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 78, 2906-2911.	7.8	52
20	Search for gluinos and squarks at the Fermilab Tevatron collider. Physical Review D, 1997, 56, R1357-R1362.	4.7	51
21	Search for First Generation Leptoquark Pair Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 4327-4332.	7.8	47
22	R&D of $\text{Nb}_3\text{Sn}$ Accelerator Magnets at Fermilab. IEEE Transactions on Applied Superconductivity, 2005, 15, 1113-1118.	1.7	45
23	Observation of $b \rightarrow \bar{c} \ell^+ \ell^-$ at the Fermilab proton-antiproton collider. Physical Review D, 1997, 55, 1142-1152.	4.7	43
24	Evidence for $W+W^*$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 78, 4536-4540.	7.8	40
25	Development of Rutherford-Type Cables for High Field Accelerator Magnets at Fermilab. IEEE Transactions on Applied Superconductivity, 2007, 17, 1027-1030.	1.7	37
26	Cu Stabilized $\text{Nb}_3\text{Al}$ Strands for the High Field Accelerator Magnet. IEEE Transactions on Applied Superconductivity, 2008, 18, 1026-1030.	1.7	37
27	Instabilities in Transport Current Measurements of $\text{Nb}_3\text{Sn}$ Strands. IEEE Transactions on Applied Superconductivity, 2005, 15, 3364-3367.	1.7	36
28	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
29	Status of the 16 T Dipole Development Program for a Future Hadron Collider. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	36
30	Self-Field Effects in Magneto-Thermal Instabilities for Nb-Sn Strands. IEEE Transactions on Applied Superconductivity, 2008, 18, 1309-1312.	1.7	35
31	Study of HTS Wires at High Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2009, 19, 3057-3060.	1.7	33
32	Study of $\text{Nb}_3\text{Sn}$ strands for Fermilab's high field dipole models. IEEE Transactions on Applied Superconductivity, 2001, 11, 3595-3598.	1.7	32
33	Ratios of bottom meson branching fractions involving $J/\psi$ mesons and determination of b quark fragmentation fractions. Physical Review D, 1996, 54, 6596-6609.	4.7	31
34	The $t\bar{t}$ and $t\bar{t}^*$ Decays of Top Quark Pairs Produced in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1997, 79, 3585-3590.	7.8	31
35	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
36	Measurement of the $b \rightarrow c \ell^+ \ell^-$ Lifetime Using $b \rightarrow c \ell^+ \ell^-$ . Physical Review Letters, 1996, 77, 1439-1443.	7.8	30

#	ARTICLE	IF	CITATIONS
37	Forward-Backward Charge Asymmetry of Electron Pairs above the Z Pole. Physical Review Letters, 1996, 77, 2616-2621.	7.8	28
38	Effect of Flux Jumps in Superconductor on $\text{Nb}_3\text{Sn}$ Accelerator Magnet Performance. IEEE Transactions on Applied Superconductivity, 2006, 16, 1308-1311.	1.7	27
39	Design and Analysis of TQS01, a 90 mm $\text{Nb}_3\text{Sn}$ 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
40	Development of a 15 T $\text{Nb}_3\text{Sn}$ Accelerator Dipole Demonstrator at Fermilab. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-1.	1.7	27
41	Sensitivity of $\text{Nb}_3\text{Sn}$ Rutherford-Type Cables to Transverse Pressure. IEEE Transactions on Applied Superconductivity, 2005, 15, 1541-1544.	1.7	26
42	Study of $\text{Nb}_3\text{Sn}$ Cable Stability at Self-Field Using a SC Transformer. IEEE Transactions on Applied Superconductivity, 2005, 15, 1537-1540.	1.7	26
43	Development and Fabrication of $\text{Nb}_3\text{Sn}$ Rutherford Cable for the 11 T DS Dipole Demonstrator Model. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000805-6000805.	1.7	26
44	Fabrication of the shell-type $\text{Nb}_3\text{Sn}$ dipole magnet at Fermilab. IEEE Transactions on Applied Superconductivity, 2001, 11, 2160-2163.	1.7	25
45	Characteristics of Round and Extracted Strands of $\text{Nb}_3\text{Al}$ Rutherford Cable. IEEE Transactions on Applied Superconductivity, 2007, 17, 2697-2701.	1.7	25
46	Feasibility Study of $\text{Nb}_3\text{Al}$ Rutherford Cable for High Field Accelerator Magnet Application. IEEE Transactions on Applied Superconductivity, 2007, 17, 1461-1464.	1.7	25
47	Search for Flavor-Changing Neutral Current B Meson Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1996, 76, 4675-4680.	7.8	24
48	Kinetics of phase growth in the Cu-Sn system and application to composite $\text{Nb}_3\text{Sn}$ strands. IEEE Transactions on Applied Superconductivity, 2003, 13, 3418-3421.	1.7	24
49	Development and Coil Fabrication for the LARP 3.7-m Long $\text{Nb}_3\text{Sn}$ Quadrupole. IEEE Transactions on Applied Superconductivity, 2009, 19, 1231-1234.	1.7	24
50	The 16 T Dipole Development Program for FCC and HE-LHC. IEEE Transactions on Applied Superconductivity, 2019, , 1-1.	1.7	24
51	Development of TQC01, a 90 mm $\text{Nb}_3\text{Sn}$ Model Quadrupole for LHC Upgrade Based on SS Collar. IEEE Transactions on Applied Superconductivity, 2006, 16, 370-373.	1.7	23
52	Development and Test of LARP Technological Quadrupole (TQC) Magnet. IEEE Transactions on Applied Superconductivity, 2007, 17, 1126-1129.	1.7	23
53	Fabrication and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2009, 19, 1226-1230.	1.7	23
54	Search for Chargino-Neutralino Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1996, 76, 4307-4311.	7.8	22

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55	Development and Test of $\text{Nb}_3\text{Sn}$ Cos-Theta Dipoles Based on PIT Strands. IEEE Transactions on Applied Superconductivity, 2005, 15, 1160-1163.	1.7	22
56	Performance of $\text{Nb}_3\text{Sn}$ RRP Strands and Cables Based on a 108/127 Stack Design. IEEE Transactions on Applied Superconductivity, 2007, 17, 2718-2721.	1.7	22
57	Superconducting Strand and Cable Development for the LHC Upgrades and Beyond. IEEE Transactions on Applied Superconductivity, 2013, 23, 6001112-6001112.	1.7	22
58	Search for New Particles Decaying into $b\bar{b}$ and Produced in Association with $W$ Bosons Decaying into $e^+e^-$ at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 3819-3824.	7.8	21
59	Fabrication and Test of QSO1 A 90 mm $\text{Nb}_3\text{Sn}$ Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 1122-1125.	1.7	21
60	Study of Effects of Deformation in $\text{Nb}_3\text{Sn}$ Multifilamentary Strands. IEEE Transactions on Applied Superconductivity, 2007, 17, 2710-2713.	1.7	20
61	RRP $\text{Nb}_3\text{Sn}$ Strand Studies for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 2607-2610.	1.7	20
62	Development and First Test of the 15 T $\text{Nb}_3\text{Sn}$ Dipole Demonstrator MDPCT1. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	20
63	Measurement of the Branching Fraction $B(\text{Bu} \rightarrow \tau^+\tau^-)$ and Search for $\text{Bc} \rightarrow \tau^+\tau^-$ . Physical Review Letters, 1996, 77, 5176-5181.	7.8	19
64	Passive correction of the persistent current effect in $\text{Nb}_3\text{Sn}$ accelerator magnets. IEEE Transactions on Applied Superconductivity, 2003, 13, 1270-1273.	1.7	19
65	BSCCO-2212 Wire and Cable Studies. IEEE Transactions on Applied Superconductivity, 2011, 21, 2335-2339.	1.7	19
66	Properties of Jets in $Z$ Boson Events from 1.8 TeV $p\bar{p}$ Collisions. Physical Review Letters, 1996, 77, 448-453.	7.8	18
67	Fabrication and testing of Rutherford-type cables for react and wind accelerator magnets. IEEE Transactions on Applied Superconductivity, 2001, 11, 2457-2460.	1.7	18
68	Heat treatment optimization of internal tin $\text{Nb}_3\text{Sn}$ strands. IEEE Transactions on Applied Superconductivity, 2001, 11, 3573-3576.	1.7	17
69	Critical Current and Instability Threshold Measurement of $\text{Nb}_3\text{Sn}$ Cables for High Field Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2005, 15, 1545-1549.	1.7	17
70	Quench Tests of $\text{Nb}_3\text{Al}$ Small Racetrack Magnets. IEEE Transactions on Applied Superconductivity, 2008, 18, 1039-1042.	1.7	17
71	Design and Fabrication of a Single-Aperture 11 T $\text{Nb}_3\text{Sn}$ Dipole Model for LHC Upgrades. IEEE Transactions on Applied Superconductivity, 2012, 22, 4001705-4001705.	1.7	17
72	Study of the react and wind technique for a $\text{Nb}_3\text{Sn}$ common coil dipole. IEEE Transactions on Applied Superconductivity, 2000, 10, 338-341.	1.7	16

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73	LARP Long $\text{Nb}_3\text{Sn}$ Quadrupole Design. IEEE Transactions on Applied Superconductivity, 2008, 18, 268-272.	1.7	16
74	Measurement of the $\tau$ and $\omega$ Meson Lifetimes Using Semileptonic Decays. Physical Review Letters, 1996, 76, 4462-4467.	7.8	15
75	Further properties of high-mass multijet events at the Fermilab proton-antiproton collider. Physical Review D, 1996, 54, 4221-4233.	4.7	15
76	Conceptual design of a common coil dipole for VLHC. IEEE Transactions on Applied Superconductivity, 2000, 10, 330-333.	1.7	15
77	Development and test of single-bore $\text{cos}^{-1}$ $\text{Nb}_3\text{Sn}$ dipole models with cold iron yoke. IEEE Transactions on Applied Superconductivity, 2002, 12, 332-336.	1.7	15
78	Conceptual design study of $\text{Nb}_3\text{Sn}$ low-beta quadrupoles for 2nd generation IHC IRS. IEEE Transactions on Applied Superconductivity, 2003, 13, 1266-1269.	1.7	15
79	Development of Ta-matrix $\text{Nb}_3\text{Al}$ Strand and Cable for High-Field Accelerator Magnet. IEEE Transactions on Applied Superconductivity, 2011, 21, 2521-2524.	1.7	15
80	Towards 20 T Hybrid Accelerator Dipole Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.7	15
81	Development and study of Rutherford-type cables for high-field accelerator magnets at Fermilab. Superconductor Science and Technology, 2004, 17, S213-S216.	3.5	14
82	Cable Testing for Fermilab's High Field Magnets Using Small Racetrack Coils. IEEE Transactions on Applied Superconductivity, 2005, 15, 1550-1553.	1.7	14
83	Test and Analysis of Technology Quadrupole Shell (TQS) Magnet Models for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 179-183.	1.7	14
84	Construction and Test of 3.6 m $\text{Nb}_3\text{Sn}$ Racetrack Coils for LARP. IEEE Transactions on Applied Superconductivity, 2008, 18, 171-174.	1.7	14
85	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
86	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
87	Conceptual Design of a HTS Dipole Insert Based on Bi2212 Rutherford Cable. Instruments, 2020, 4, 29.	1.8	14
88	Test Results of Shell-Type $\text{Nb}_3\text{Sn}$ Dipole Coils. IEEE Transactions on Applied Superconductivity, 2004, 14, 349-352.	1.7	13
89	Design, Fabrication and Testing of $\text{Nb}_3\text{Sn}$ Shell Type Coils in Mirror Magnet Configuration. AIP Conference Proceedings, 2004, , .	0.4	13
90	Assembly and Tests of SQ02, a $\text{Nb}_3\text{Sn}$ Racetrack Quadrupole Magnet for LARP. IEEE Transactions on Applied Superconductivity, 2007, 17, 1019-1022.	1.7	13

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91	Development and Test of LARP Technological Quadrupole Models of TQC Series. IEEE Transactions on Applied Superconductivity, 2008, 18, 175-178.	1.7	13
92	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
93	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
94	Research and Development of Wires and Cables for High-Field Accelerator Magnets. IEEE Transactions on Nuclear Science, 2016, 63, 783-803.	2.0	13
95	Measurement of the Lifetime of the $B_s^0$ Meson Using the Exclusive Decay Mode $B_s^0 \rightarrow \mu^+ \mu^-$ . Physical Review Letters, 1996, 77, 1945-1949.	7.8	12
96	Strand critical current degradation in Nb <sub>3</sub> Sn Rutherford cables. IEEE Transactions on Applied Superconductivity, 2001, 11, 2134-2137.	1.7	12
97	Influence of a Stainless Steel Core on Coupling Loss, Interstrand Contact Resistance, and Magnetization of an $\text{Nb}_3\text{Sn}$ Rutherford Cable. IEEE Transactions on Applied Superconductivity, 2008, 18, 1301-1304.	1.7	12
98	Effect of Transverse Pressure on Brittle Superconductors. IEEE Transactions on Applied Superconductivity, 2008, 18, 980-983.	1.7	12
99	Study of High Field Superconducting Solenoids for Muon Beam Cooling. IEEE Transactions on Applied Superconductivity, 2008, 18, 928-932.	1.7	12
100	Strand and Cable Development for a High Field $\text{Nb}_3\text{Al}$ Common Coil Magnet. IEEE Transactions on Applied Superconductivity, 2010, 20, 1428-1431.	1.7	12
101	A Model to Study Plastic Deformation in RRP $\text{Nb}_3\text{Sn}$ Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 2588-2592.	1.7	12
102	FEM Analysis of Nb-Sn Rutherford-Type Cables. IEEE Transactions on Applied Superconductivity, 2012, 22, 4903305-4903305.	1.7	12
103	Field Quality Measurements in a Single-Aperture 11 T $\text{Nb}_3\text{Sn}$ Demonstrator Dipole for LHC Upgrades. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001804-4001804.	1.7	12
104	Electrochemical synthesis of Nb <sub>3</sub> Sn coatings on Cu substrates. Materials Letters, 2015, 161, 613-615.	2.6	12
105	Development of react and wind common coil dipoles for VLHC. IEEE Transactions on Applied Superconductivity, 2001, 11, 2172-2175.	1.7	11
106	Fabrication and test of a racetrack magnet using pre-reacted Nb <sub>3</sub> Sn cable. IEEE Transactions on Applied Superconductivity, 2003, 13, 1284-1287.	1.7	11
107	Voltage Spikes in $\text{Nb}_3\text{Sn}$ and NbTi Strands. IEEE Transactions on Applied Superconductivity, 2006, 16, 366-369.	1.7	11
108	Design of $\text{Nb}_3\text{Sn}$ Coils for LARP Long Magnets. IEEE Transactions on Applied Superconductivity, 2007, 17, 1035-1038.	1.7	11



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109	Round and Extracted $\text{Nb}_3\text{Sn}$ Strand Tests for LARP Magnet R&D. IEEE Transactions on Applied Superconductivity, 2006, 16, 319-323.	1.7	10
110	Cable R&D for the LHC Accelerator Research Program. IEEE Transactions on Applied Superconductivity, 2007, 17, 1481-1484.	1.7	10
111	Fabrication, Qualification and Test of High $J_c$ Roebel $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Coated Conductor Cable for HEP Magnets. IEEE Transactions on Applied Superconductivity, 2011, 21, 2331-2334.	1.7	10
112	Properties of photon plus two-jet events in $\sqrt{s}=1.8\text{TeV}$ collisions. Physical Review D, 1998, 57, 67-77.	4.7	9
113	A model for $J_c$ in granular A-15 superconductors. IEEE Transactions on Applied Superconductivity, 2001, 11, 3884-3887.	1.7	9
114	Superconductor and cable R&D for high field accelerator magnets at Fermilab. IEEE Transactions on Applied Superconductivity, 2002, 12, 1009-1013.	1.7	9
115	$\text{Nb}_3\text{Sn}$ phase growth and superconducting properties during heat treatment. IEEE Transactions on Applied Superconductivity, 2003, 13, 3414-3417.	1.7	9
116	Development and Test of Single-Layer Common Coil Dipole Wound With Reacted $\text{Nb}_3\text{Sn}$ Cable. IEEE Transactions on Applied Superconductivity, 2004, 14, 353-356.	1.7	9
117	Characteristics of Cu Stabilized $\text{Nb}_3\text{Al}$ Strands With Low Cu Ratio. IEEE Transactions on Applied Superconductivity, 2009, 19, 2678-2681.	1.7	9
118	An Octagonal Architecture for High Strength PIT $\text{Nb}_3\text{Sn}$ Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 2598-2601.	1.7	9
119	Comparison Between $\text{Nb}_3\text{Al}$ and $\text{Nb}_3\text{Sn}$ Strands and Cables for High Field Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2010, 20, 1399-1403.	1.7	9
120	Magnetic Mirror Structure for Testing Shell-Type Quadrupole Coils. IEEE Transactions on Applied Superconductivity, 2010, 20, 288-291.	1.7	9
121	Quench Protection Study of a Single-Aperture 11 T $\text{Nb}_3\text{Sn}$ Demonstrator Dipole for LHC Upgrades. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001205-4001205.	1.7	9
122	Quench Performance of a 4-m Long $\text{Nb}_3\text{Sn}$ Shell-Type Dipole Coil. IEEE Transactions on Applied Superconductivity, 2009, 19, 1217-1220.	1.7	8
123	Coupling- and Persistent-Current Magnetizations of $\text{Nb}_3\text{Sn}$ Rutherford Cables. IEEE Transactions on Applied Superconductivity, 2010, 20, 1387-1390.	1.7	8
124	Development of Short-Period $\text{Nb}_3\text{Sn}$ Superconducting Planar Undulators. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	8
125	Fabrication and Testing of 18-mm-Period, 0.5-m-Long $\text{Nb}_3\text{Sn}$ Superconducting Undulator. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	8
126	R&D for a single-layer $\text{Nb}_3\text{Sn}$ common coil dipole using the react-and-wind fabrication technique. IEEE Transactions on Applied Superconductivity, 2002, 12, 39-42.	1.7	7



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127	Superconducting current transformer for testing Nb/sub 3/Sn cable splicing technique. IEEE Transactions on Applied Superconductivity, 2003, 13, 1274-1277.	1.7	7
128	Optimization of Brittle Superconducting $\{m Nb\}_{3}\{m Sn\}$ Strand Designs. IEEE Transactions on Applied Superconductivity, 2008, 18, 1496-1499.	1.7	7
129	SUPERCONDUCTING TRANSFORMER FOR SUPERCONDUCTING CABLE TESTS IN A MAGNETIC FIELD. AIP Conference Proceedings, 2010, , .	0.4	7
130	Test of Optimized 120-mm LARP $\{m Nb\}_{3}\{m Sn\}$ Quadrupole Coil Using Magnetic Mirror Structure. IEEE Transactions on Applied Superconductivity, 2013, 23, 4001605-4001605.	1.7	7
131	Development of a 120-mm Aperture Nb<sub>3</sub>Sn Dipole Coil With Stress Management. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	7
132	Measurement of Critical Current and Instability Threshold of Rutherford-Type $\{m Nb\}_{3}\{m Sn\}$ Cables. IEEE Transactions on Applied Superconductivity, 2006, 16, 1160-1163.	1.7	6
133	LARP Long $\{m Nb\}_{3}\{m Sn\}$ Racetrack Coil Program. IEEE Transactions on Applied Superconductivity, 2007, 17, 1140-1143.	1.7	6
134	Design and Fabrication of a Supporting Structure for 3.6 m Long Nb $\{3\}$ Sn Racetrack Coils. IEEE Transactions on Applied Superconductivity, 2007, 17, 1023-1026.	1.7	6
135	$\{m Nb\}_{3}\{m Sn\}$ Accelerator Magnet Technology Scale Up Using Cos-Theta Dipole Coils. IEEE Transactions on Applied Superconductivity, 2008, 18, 273-276.	1.7	6
136	Quench Tests and FEM Analysis of $\{m Nb\}_{3}\{m Al\}$ Rutherford Cables and Small Racetrack Magnets. IEEE Transactions on Applied Superconductivity, 2009, 19, 1116-1120.	1.7	6
137	Nb3Sn RRP Strand and Rutherford Cable Development for a 15 T Dipole Demonstrator. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
138	Heat Treatment Optimization of Rutherford Cables for a 15-T Nb3Sn Dipole Demonstrator. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	6
139	Fabrication and Testing of 10-Pole Short-Period Nb<sub>3</sub>Sn Superconducting Undulator Magnets. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	6
140	Properties of six-jet events with large six-jet mass at the Fermilab proton-antiproton collider. Physical Review D, 1997, 56, 2532-2543.	4.7	5
141	Steady state and transient current lead analysis [superconducting cables]. IEEE Transactions on Applied Superconductivity, 1999, 9, 515-518.	1.7	5
142	Effects of Rutherford Cable Parameters on $\{m Nb\}_{3}\{m Sn\}$ Extracted Strand Deformation and Performance. IEEE Transactions on Applied Superconductivity, 2008, 18, 1114-1117.	1.7	5
143	Modular Test Facility for HTS Insert Coils. IEEE Transactions on Applied Superconductivity, 2010, 20, 587-591.	1.7	5
144	Heat Diffusion in High-Cp Nb3Sn Composite Superconducting Wires. Instruments, 2020, 4, 28.	1.8	5

#	ARTICLE	IF	CITATIONS
145	Reassembly and Test of High-Field Nb <sub>3</sub> Sn Dipole Demonstrator MDPCT1. IEEE Transactions on Applied Superconductivity, 2021, , 1-1.	1.7	5
146	Development and Test of $\cos(\theta)$ Magnets Based on RRP and PIT Strands. IEEE Transactions on Applied Superconductivity, 2006, 16, 315-318.	1.7	4
147	Effect of Core Width, Placement, and Condition on Calorimetrically Measured AC Loss and Interstrand Contact Resistance of Stainless-Steel-Cored Nb <sub>3</sub> Sn Rutherford Cables. IEEE Transactions on Applied Superconductivity, 2008, 18, 1370-1373.	1.7	4
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