

Arend Nijhuis

List of Publications by Year in descending order

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198
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198
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198
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866
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of first Bi-2212 cable with pre-over pressure and over pressure heat treatment. Superconductor Science and Technology, 2022, 35, 015007.	1.8	4
2	DC performance and AC loss of sub-size MgB ₂ CICC conductor for fusion magnet application. Nuclear Fusion, 2022, 62, 056014.	1.6	3
3	Effect of Heat Treatment Reaction Time on the Performance of MgB ₂ Wires. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	2
4	Contact resistance, coupling and hysteresis loss measurements of ITER poloidal field joint in parallel applied magnetic field. Superconductor Science and Technology, 2022, 35, 025016.	1.8	2
5	The DEMO magnet system – Status and future challenges. Fusion Engineering and Design, 2022, 174, 112971.	1.0	37
6	Modeling and validation of nonlinear voltage-current characteristics of ITER PF joint sample tested in the SULTAN facility. Superconductor Science and Technology, 2022, 35, 025014.	1.8	1
7	Enhanced critical axial tensile strain limit of CORC [®] wires: FEM and analytical modeling. Superconductor Science and Technology, 2022, 35, 055002.	1.8	18
8	AC loss and contact resistance in highly flexible rebco cable for fusion applications. , 2022, 2, 100013.		17
9	Effective Low Magnetic Field $\langle i \rangle_{c} (B / i)$ Scaling of ITER Nb ₃ Sn Strands by Magnetization and Critical Current Measurements. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-10.	1.1	0
10	Parametric investigation on the thermal aspects of superconducting REBCO tapes used in CORC cables. Materials Today: Proceedings, 2021, 41, 676-680.	0.9	4
11	Performance test and analysis of the first large-scale cable-in-conduit conductor with high J _c Nb ₃ Sn strand for fusion reactor. Nuclear Fusion, 2021, 61, 036044.	1.6	6
12	Performance limits in REBCO tape for variation in winding parameters of CORC [®] cable and wire. Physica C: Superconductivity and Its Applications, 2021, 582, 1353828.	0.6	11
13	Nonlinear contact behavior of HTS tapes during pancake coiling and CORC cabling. Superconductor Science and Technology, 2021, 34, 075003.	1.8	17
14	High-temperature superconducting CORC [®] wires with record-breaking axial tensile strain tolerance present a breakthrough for high-field magnets. Superconductor Science and Technology, 2021, 34, 10LT01.	1.8	29
15	Analytical and Numerical Investigations on the Degradation of REBCO Based Superconducting Tapes Under Bending. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-12.	1.1	6
16	AC loss and contact resistance of different CICC cable patterns: Experiments and numerical modeling. Fusion Engineering and Design, 2020, 161, 111898.	1.0	4
17	AC loss and contact resistance in REBCO CORC [®] , Roebel, and stacked tape cables. Superconductor Science and Technology, 2020, 33, 085009.	1.8	34
18	Conceptual Design of 15 Tesla Conductor Test Facility for Future Fusion Reactor. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7

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19	Research at Varian on applied superconductivity for proton therapy. Superconductor Science and Technology, 2020, 33, 064001.	1.8	10
20	Research on mechanical properties of high-performance cable-in-conduit conductors with different design. Superconductor Science and Technology, 2020, 33, 045002.	1.8	4
21	Evaluation of isotopic boron (^{11}B) for the fabrication of low activation Mg ^{11}B $^{2}\text{ superconductor}$ for next generation fusion magnets. Journal of the American Ceramic Society, 2020, 103, 5488-5495.	1.9	5
22	Advance in the conceptual design of the European DEMO magnet system. Superconductor Science and Technology, 2020, 33, 044013.	1.8	38
23	The Effect of Strain on the Transport Properties of Superconducting Strand and Cable in a Conduit Conductor. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	1
24	Strand level modeling of contact resistance and coupling loss for EU-DEMO-TF prototype conductors. Superconductor Science and Technology, 2019, 32, 105012.	1.8	4
25	Overview of verification tests on AC loss, contact resistance and mechanical properties of ITER conductors with transverse loading up to 30 000 cycles. Superconductor Science and Technology, 2019, 32, 105015.	1.8	19
26	Electromagnetic and thermal stability of the ITER Central Solenoid during a 15 MA plasma scenario. Superconductor Science and Technology, 2019, 32, 085002.	1.8	2
27	Calculation method for pulsed magnetic field energy supplied to Nb ^{3}Sn ITER CS conductors during SULTAN stability tests. Fusion Engineering and Design, 2019, 147, 111224.	1.0	1
28	Comparative Study of the Continuous and Batch Thermal Processing of MgB 2 Wires. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	2
29	International round robin test for tensile testing HTS wires at cryogenic temperatures. Superconductor Science and Technology, 2019, 32, 024005.	1.8	10
30	Uniaxial Strain Induced Critical Current Degradation of Ag-Sheathed Bi-2212 Round Wire. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	7
31	Development of a New Generic Analytical Modeling of AC Coupling Losses in Cable-in-Conduit Conductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	2
32	Rotation analysis on large complex superconducting cables based on numerical modeling and experiments. Superconductor Science and Technology, 2018, 31, 025001.	1.8	1
33	AC loss, interstrand resistance and mechanical properties of prototype EU DEMO TF conductors up to 30 000 load cycles. Superconductor Science and Technology, 2018, 31, 025010.	1.8	8
34	Mechanical and Electrical Properties of a CFETR CSMC Conductor Under Transverse Mechanical Loadings. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	1
35	Influence of Compaction During Reaction Heat Treatment on the Interstrand Contact Resistances of Nb ^{3}Sn Rutherford Cables for Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	0
36	First AC loss test and analysis of a Bi2212 cable-in-conduit conductor for fusion application. Superconductor Science and Technology, 2018, 31, 015010.	1.8	7

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37	Evaluation of residual stress and texture in isotope based Mg ¹¹ B ₂ superconductor using neutron diffraction. RSC Advances, 2018, 8, 39455-39462.	1.7	3
38	Quench energy studies in ITER conductors for different magnetic field perturbations with Jackpot and THEA combined models. Superconductor Science and Technology, 2018, 31, 095001.	1.8	7
39	Composite Superconducting MgB ₂ Wires Made by Continuous Process. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.1	5
40	Bending of CORC [®] cables and wires: finite element parametric study and experimental validation. Superconductor Science and Technology, 2018, 31, 115006.	1.8	48
41	Progress in the design of the superconducting magnets for the EU DEMO. Fusion Engineering and Design, 2018, 136, 1597-1604.	1.0	67
42	Manufacturing of Nb ₃ Sn Sample Conductor for CFETR Central Solenoid Model Coil. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	16
43	Impact of Indentation on the Performance of MgB ₂ Round Wire. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	5
44	Analysis of ITER NbTi and Nb ₃ Sn CICC's experimental minimum quench energy with JackPot, MCM and THEA models. Superconductor Science and Technology, 2017, 30, 095003.	1.8	12
45	New design of cable-in-conduit conductor for application in future fusion reactors. Superconductor Science and Technology, 2017, 30, 115012.	1.8	24
46	Comparative Measurements of ITER Nb ₃ Sn Strands Between Two Laboratories. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	3
47	Persistent-current magnetizations of Nb ₃ Sn Rutherford cables and extracted strands. IOP Conference Series: Materials Science and Engineering, 2017, 279, 012037.	0.3	1
48	Interstrand Coupling Properties of LARP High Gradient Quadrupole Cables in Response to Variations in Cable Design and Heat Treatment Condition. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	2
49	Analysis of ITER PF Coil Joint Design Under Reference Operating Scenario. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	9
50	Overview of Progress on the EU DEMO Reactor Magnet System Design. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	46
51	Critical Current of various REBCO Tapes under Uniaxial Strain. IEEE Transactions on Applied Superconductivity, 2016, , 1-1.	1.1	28
52	Optimization of CFETR CSMC cabling based on numerical modeling and experiments. Superconductor Science and Technology, 2015, 28, 125008.	1.8	29
53	Cable Rotation and Twist Pitch Variation for ITER TF Conductor in China. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	2
54	Comparison of Critical Current Versus Axial Strain Measurements on Internal Tin &math; \text{Nb}_3\text{Sn} Strand at ASIPP and University of Twente. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	2

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55	Local strain exerted on Nb ₃ Sn filaments in an ITER strand. Superconductor Science and Technology, 2015, 28, 045016.	1.8	9
56	Experiments and FE modeling of stress-strain state in ReBCO tape under tensile, torsional and transverse load. Superconductor Science and Technology, 2015, 28, 055006.	1.8	113
57	Measurement and Analysis of Normal Zone Propagation in a ReBCO Coated Conductor at Temperatures Below 50K. Physics Procedia, 2015, 67, 945-951.	1.2	37
58	Electromechanical Modeling of Nb_3Sn Superconducting Wires Subjected to Periodic Bending Strain. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	6
59	Temperature and current margin of ITER central solenoid conductor designs during a 15 MA plasma scenario. Superconductor Science and Technology, 2014, 27, 025010.	1.8	2
60	Minimizing coupling loss by selection of twist pitch lengths in multi-stage cable-in-conduit conductors. Superconductor Science and Technology, 2014, 27, 015006.	1.8	10
61	Current transfer length in multi-filamentary superconducting NbTi and Nb ₃ Sn strands; experiments and models. Superconductor Science and Technology, 2014, 27, 095014.	1.8	3
62	International round robin test for mechanical properties of REBCO superconductive tapes at room temperature. Superconductor Science and Technology, 2014, 27, 085009.	1.8	9
63	Simulations of Twin-Box Joints for ITER PF Coils. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	9
64	Experimental validation of a lap-type joint AC loss model with an ITER correction coil conductor joint. Fusion Engineering and Design, 2014, 89, 867-870.	1.0	0
65	Intrawire resistance, AC loss and strain dependence of critical current in MgB ₂ wires with and without cold high-pressure densification. Superconductor Science and Technology, 2014, 27, 075002.	1.8	9
66	Coupled Mechanical-Electrical Modeling of the TARSIS Experiment. IEEE Transactions on Applied Superconductivity, 2013, 23, 8401005-8401005.	1.1	7
67	The effect of axial and transverse loading on the transport properties of ITER Nb ₃ Sn strands. Superconductor Science and Technology, 2013, 26, 084004.	1.8	65
68	Optimization of Interstrand Coupling Loss and Transverse Load Degradation in ITER Nb_3Sn CICC. IEEE Transactions on Applied Superconductivity, 2013, 23, 4201206-4201206.	1.1	12
69	Coupling- and Persistent-Current Magnetizations of Nb_3Sn Rutherford Cables With Cores of Stainless Steel and Woven Glass-Fiber Tape Measured by Pick-Up Coil Magnetometry. IEEE Transactions on Applied Superconductivity, 2013, 23, 4702305-4702305.	1.1	5
70	Intra-wire resistance and AC loss in multi-filamentary MgB ₂ wires. Superconductor Science and Technology, 2013, 26, 025002.	1.8	4
71	Comparison of Direct Inter-Filament Resistance Measurement on Nb_3Sn Strands Between University of Twente and ENEA. IEEE Transactions on Applied Superconductivity, 2013, 23, 6000204-6000204.	1.1	5
72	Preparation of the manufacture of the ITER correction coils. Fusion Engineering and Design, 2013, 88, 1478-1481.	1.0	17

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73	Performance assessment and optimization of the ITER toroidal field coil joints. Superconductor Science and Technology, 2013, 26, 085004.	1.8	12
74	Analysis of Heat Load, Current Margin and Current Nonuniformity in ITER PF Coil Joints. IEEE Transactions on Applied Superconductivity, 2013, 23, 4201405-4201405.	1.1	6
75	Reversible and irreversible mechanical effects in real cable-in-conduit conductors. Superconductor Science and Technology, 2013, 26, 114004.	1.8	25
76	Magnetic measurement of interstrand contact resistance and persistent-current magnetization of Nb ₃ Sn Rutherford cables with cores of MgO tape and woven S-glass ribbon. , 2012, , .		3
77	First Results of AC Loss Test on ITER TF Conductors With Transverse Load Cycling. IEEE Transactions on Applied Superconductivity, 2012, 22, 4804304-4804304.	1.1	4
78	Minimum quench power dissipation and current non-uniformity in international thermonuclear experimental reactor type NbTi cable-in-conduit conductor samples under direct current conditions. Journal of Applied Physics, 2012, 111, 093904.	1.1	3
79	Optimization of ITER Nb ₃ Sn CICC's for coupling loss, transverse electromagnetic load and axial thermal contraction. Superconductor Science and Technology, 2012, 25, 015007.	1.8	33
80	Validation of a strand-level CICC-joint coupling loss model. Superconductor Science and Technology, 2012, 25, 025013.	1.8	16
81	Magnetization measurements on ITER Nb ₃ Sn CICC and strands subjected to irreversible strain degradation. Superconductor Science and Technology, 2012, 25, 075004.	1.8	7
82	Full-scale calculation of the coupling losses in ITER size cable-in-conduit conductors. Superconductor Science and Technology, 2012, 25, 025012.	1.8	18
83	Inter-filament resistance, effective transverse resistivity and coupling loss in superconducting multi-filamentary NbTi and Nb ₃ Sn strands. Superconductor Science and Technology, 2012, 25, 065018.	1.8	13
84	Modelling of current distribution in Nb ₃ Sn multifilamentary strands subjected to bending. Superconductor Science and Technology, 2012, 25, 054003.	1.8	15
85	Spatial Periodic and Homogeneous Transverse Stress Loading on ITER TF Nb_3Sn Bronze and Internal Tin Strand. IEEE Transactions on Applied Superconductivity, 2012, 22, 4802405-4802405.	1.1	5
86	Strain and Magnetic-Field Characterization of a Bronze-Route Nb_3Sn ITER Wire: Benchmarking of Strain Measurement Facilities at NIST and University of Twente. IEEE Transactions on Applied Superconductivity, 2012, 22, 4805104-4805104.	1.1	11
87	AC Loss in the Superconducting Cables of the CERN Fast Cycled Magnet Prototype. Physics Procedia, 2012, 36, 1087-1092.	1.2	3
88	Interstrand Contact Resistance and Magnetization of Nb_3Sn Rutherford Cables With Cores of Different Materials and Widths. IEEE Transactions on Applied Superconductivity, 2012, 22, 6000904-6000904.	1.1	11
89	Direct measurement of inter-filament resistance in various multi-filamentary superconducting NbTi and Nb ₃ Sn strands. Superconductor Science and Technology, 2012, 25, 015013.	1.8	11
90	Direct Measurement of Inter-Filament Resistance in Superconducting Multifilamentary NbTi and Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2011, 21, 2501-2504.	1.1	9

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91	Performance Characterization of Russian ITER Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2011, 21, 2505-2508.	1.1	3
92	Simulation of Interstrand Coupling Loss in Cable-In-Conduit Conductors With JackPot-AC. IEEE Transactions on Applied Superconductivity, 2011, 21, 1926-1929.	1.1	27
93	AC Loss, Inter-Strand Resistance, and Mechanical Properties of an Option-II ITER CICC up to 30,000 Cycles in the Press. IEEE Transactions on Applied Superconductivity, 2011, 21, 1944-1947.	1.1	14
94	CORD, A Novel Numerical Mechanical Model for Nb_3Sn CICCs. IEEE Transactions on Applied Superconductivity, 2011, 21, 2046-2049.	1.1	10
95	Coupling Loss, Interstrand Contact Resistance, and Magnetization of Nb_3Sn Rutherford Cables With Cores of MgO Tape and S-Glass Ribbon. IEEE Transactions on Applied Superconductivity, 2011, 21, 2367-2371.	1.1	8
96	Numerical analysis of the DC performance of ITER TF samples with different cabling pattern based on resistance measurements on terminations. Superconductor Science and Technology, 2011, 24, 085010.	1.8	6
97	A novel numerical mechanical model for the stress-strain distribution in superconducting cable-in-conduit conductors. Superconductor Science and Technology, 2011, 24, 065012.	1.8	25
98	JackPot: A novel model to study the influence of current non-uniformity and cabling patterns in cable-in-conduit conductors. Cryogenics, 2010, 50, 139-148.	0.9	57
99	Coupling- and Persistent-Current Magnetizations of Nb_3Sn Rutherford Cables. IEEE Transactions on Applied Superconductivity, 2010, 20, 1387-1390.	1.1	8
100	Microscopic Fractures and Transport Degradation in ITER Type Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2010, 20, 1404-1407.	1.1	8
101	COUPLING-CURRENT AND PERSISTENT-CURRENT MAGNETIZATIONS IN Nb_3Sn RUTHERFORD CABLES AND STRANDS. , 2010, , .		2
102	Interstrand Resistance Measurements on the Conductor Terminations of TFPRO2 and JATF3 SULTAN Samples. IEEE Transactions on Applied Superconductivity, 2010, 20, 474-477.	1.1	8
103	Summary of ITER TF Nb_3Sn Strand Testing Under Axial Strain, Spatial Periodic Bending and Contact Stress. IEEE Transactions on Applied Superconductivity, 2009, 19, 1516-1520.	1.1	41
104	Impact of Cabling Pattern, Magnet Field Profile and Joint Properties on Short Sample Qualification Tests of ITER Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 1444-1447.	1.1	6
105	EU contribution to the test and analysis of the ITER poloidal field conductor insert and the central solenoid model coil. Superconductor Science and Technology, 2009, 22, 085006.	1.8	15
106	Distinct voltage-current characteristics of Nb_3Sn strands with dispersed and collective crack distributions. Superconductor Science and Technology, 2009, 22, 085009.	1.8	38
107	Simulation of the ITER Poloidal Field Coil Insert DC performance with a new model. Fusion Engineering and Design, 2009, 84, 1912-1915.	1.0	9
108	Transverse cable stiffness and mechanical losses associated with load cycles in ITER Nb_3Sn and NbTi CICCs. Superconductor Science and Technology, 2009, 22, 055007.	1.8	25

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109	Systematic Study on Filament Fracture Distribution in ITER Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2009, 19, 2628-2632.	1.1	28
110	State of the art powder-in-tube niobium-tin superconductors. Cryogenics, 2008, 48, 308-316.	0.9	54
111	Test Results of Two European ITER TF Conductor Samples in SULTAN. IEEE Transactions on Applied Superconductivity, 2008, 18, 1088-1091.	1.1	56
112	Influence of a Stainless Steel Core on Coupling Loss, Interstrand Contact Resistance, and Magnetization of an Nb_3Sn Rutherford Cable. IEEE Transactions on Applied Superconductivity, 2008, 18, 1301-1304.	1.1	12
113	Solution for Lorentz Forces Response and Degradation in Nb_3Sn Cable in Conduit Conductors; Verification of Cabling Effect. IEEE Transactions on Applied Superconductivity, 2008, 18, 1491-1495.	1.1	8
114	Axial and transverse stress-strain characterization of the EU dipole high current density Nb_3Sn strand. Superconductor Science and Technology, 2008, 21, 065001.	1.8	47
115	A solution for transverse load degradation in ITER Nb_3Sn CICCs: verification of cabling effect on Lorentz force response. Superconductor Science and Technology, 2008, 21, 054011.	1.8	48
116	Influence of cable layout on the performance of ITER-type Nb_3Sn conductors. Journal of Physics: Conference Series, 2008, 97, 012027.	0.3	12
117	MEASUREMENTS OF AC LOSS IN CORED Nb_3Sn RUTHERFORD CABLES: INTERSTRAND CONTACT RESISTANCE AS FUNCTION OF CORE WIDTH. AIP Conference Proceedings, 2008, , .	0.3	7
118	Effect of Core Width, Placement, and Condition on Calorimetrically Measured AC Loss and Interstrand Contact Resistance of Stainless-Steel-Cored Nb_3Sn Rutherford Cables. IEEE Transactions on Applied Superconductivity, 2008, 18, 1370-1373.	1.1	4
119	Performance of ITER (EU-TFPRO-2) Nb_3Sn Strands Under Spatial Periodic Bending, Axial Strain and Contact Stress. IEEE Transactions on Applied Superconductivity, 2008, 18, 1059-1062.	1.1	12
120	Scaling law for the strain dependence of the critical current in an advanced ITER Nb_3Sn strand. Superconductor Science and Technology, 2007, 20, 186-191.	1.8	40
121	Interstrand Contact Resistance in Nb_3Sn Cables Under LARP-Type Preparation Conditions. IEEE Transactions on Applied Superconductivity, 2007, 17, 2494-2497.	1.1	11
122	Review of Current Distribution Measurements and Reconstruction in Cable-in-Conduit Conductors for ITER. IEEE Transactions on Applied Superconductivity, 2007, 17, 1465-1468.	1.1	8
123	Spatial Periodic Bending and Critical Current of Bronze and PIT Nb_3Sn Strands in a Steel Tube. IEEE Transactions on Applied Superconductivity, 2007, 17, 2680-2683.	1.1	20
124	Test Results of Two ITER TF Conductor Short Samples Using High Current Density Nb_3Sn Strands. IEEE Transactions on Applied Superconductivity, 2007, 17, 1370-1373.	1.1	38
125	Influence of the magnetic field profile on ITER conductor testing. Superconductor Science and Technology, 2006, 19, 783-791.	1.8	1
126	Magnetic Measurements of Interstrand Contact Resistance in Nb_3Sn Cables in Response to Variation of Pre-Heat-Treatment Condition. IEEE Transactions on Applied Superconductivity, 2006, 16, 1200-1203.	1.1	10

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127	The Effect of Inter-bundle Resistive Barriers on Coupling Loss, Current Distribution and DC Performance in ITER Conductors. IEEE Transactions on Applied Superconductivity, 2006, 16, 868-871.	1.1	6
128	Axial Tensile Stress-Strain Characterization of a 36 Nb_3Sn Strands Cable. IEEE Transactions on Applied Superconductivity, 2006, 16, 1249-1252.	1.1	26
129	Influence of Pre-Heat-Treatment Condition on Interstrand Contact Resistance in Nb ₃ Sn Rutherford Cables by Calorimetric AC-Loss Measurement. AIP Conference Proceedings, 2006, , .	0.3	12
130	Interpretation of conduit voltage measurements on the poloidal field insert sample using the CUDiCICC numerical code. Cryogenics, 2006, 46, 517-529.	0.9	28
131	CHATS-2005: Workshop on Computation of Thermohydraulic Transients in Superconductors, June 26-28, 2005, University of Twente, Enschede, The Netherlands. Cryogenics, 2006, 46, 479-480.	0.9	1
132	Critical current and strand stiffness of three types of Nb ₃ Sn strand subjected to spatial periodic bending. Superconductor Science and Technology, 2006, 19, 1136-1145.	1.8	47
133	THELMA code electromagnetic model of ITER superconducting cables and application to the ENEA stability experiment. Superconductor Science and Technology, 2006, 19, 987-997.	1.8	35
134	Critical current measurement with spatial periodic bending imposed by electromagnetic force on a standard test barrel with slots. Review of Scientific Instruments, 2006, 77, 054701.	0.6	9
135	Transverse load optimization in Nb ₃ Sn CICC design; influence of cabling, void fraction and strand stiffness. Superconductor Science and Technology, 2006, 19, 945-962.	1.8	123
136	Spatial periodic contact stress and critical current of a Nb ₃ Sn strand measured in TARSIS. Superconductor Science and Technology, 2006, 19, 1089-1096.	1.8	37
137	Implications of NbTi Short-Sample Test Results and Analysis for the ITER Poloidal Field Conductor Insert (PFCL). IEEE Transactions on Applied Superconductivity, 2006, 16, 886-889.	1.1	7
138	The ITER toroidal field model coil project. Fusion Engineering and Design, 2005, 73, 189-327.	1.0	114
139	DC and transient current distribution analysis from self-field measurements on ITER PFIS conductor. Fusion Engineering and Design, 2005, 75-79, 11-15.	1.0	13
140	Impact of spatial periodic bending and load cycling on the critical current of a Nb ₃ Sn strand. Superconductor Science and Technology, 2005, 18, S273-S283.	1.8	62
141	Effect of Conduit Material on CICC Performance Under High Cycling Loads. IEEE Transactions on Applied Superconductivity, 2005, 15, 1367-1370.	1.1	29
142	Reconstruction of Current Unbalance in Full-Size ITER NbTi CICC by Self-Field Measurements. IEEE Transactions on Applied Superconductivity, 2005, 15, 1391-1394.	1.1	12
143	Compressive Pre-Strain in Nb_3Sn Strand by Steel Tube and Effect on the Critical Current Measured on Standard ITER Barrel. IEEE Transactions on Applied Superconductivity, 2005, 15, 3466-3469.	1.1	13
144	Test Results of the ITER PF Insert Conductor Short Sample in SULTAN. IEEE Transactions on Applied Superconductivity, 2005, 15, 1351-1354.	1.1	50

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145	Preparation of the ITER Poloidal Field Conductor Insert (PFCI) Test. IEEE Transactions on Applied Superconductivity, 2005, 15, 1346-1350.	1.1	16
146	Impact of Void Fraction on Mechanical Properties and Evolution of Coupling Loss in ITER Nb_3Sn Conductors Under Cyclic Loading. IEEE Transactions on Applied Superconductivity, 2005, 15, 1633-1636.	1.1	41
147	Effect of Cyclic Loading and Conductor Layout on Contact Resistance of Full-Size ITER PFCI Conductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 1359-1362.	1.1	32
148	Current Distribution Measurement on the ITER-Type NbTi Bus Bar III. IEEE Transactions on Applied Superconductivity, 2005, 15, 1407-1410.	1.1	14
149	Axial tensile stress-strain characterization of ITER model coil type Nb ₃ Sn strands in TARSIS. Superconductor Science and Technology, 2005, 18, 1523-1532.	1.8	57
150	A Fully Automatic Press for Mechanical and Electrical Testing of Full-Size ITER Conductors under Transverse Cyclic Load. AIP Conference Proceedings, 2004, , .	0.3	14
151	Effect of Periodic Cyclic Deformation on the Voltage Current Transition of Nb_3Sn Strands Tested in the Novel "TARSIS"™ Setup. IEEE Transactions on Applied Superconductivity, 2004, 14, 1464-1467.	1.1	21
152	Electromagnetic Performance of Sub-Size NbTi CICC's Subjected to Transverse Cyclic Loading. IEEE Transactions on Applied Superconductivity, 2004, 14, 1503-1506.	1.1	8
153	A device to investigate the axial strain dependence of the critical current density in superconductors. Review of Scientific Instruments, 2004, 75, 5112-5118.	0.6	68
154	T_{cs} Tests and Performance Assessment of the ITER Toroidal Field Model Coil (Phase II). IEEE Transactions on Applied Superconductivity, 2004, 14, 1519-1522.	1.1	17
155	A Novel "Test Arrangement for Strain Influence on Strands" (TARSIS): Mechanical and Electrical Testing of ITER Nb ₃ Sn Strands. AIP Conference Proceedings, 2004, , .	0.3	24
156	Magnetic, Calorimetric, and Transport Studies of Coupling and Interstrand Contact Resistance in Nb ₃ Sn Rutherford Cables with Bimetallic Cores of Stainless Steel Bonded to Copper. AIP Conference Proceedings, 2004, , .	0.3	13
157	Change of interstrand contact resistance and coupling loss in various prototype ITER NbTi conductors with transverse loading in the Twente Cryogenic Cable Press up to 40,000 cycles. Cryogenics, 2004, 44, 319-339.	0.9	49
158	Performance of an ITER CS1 Model Coil Conductor Under Transverse Cyclic Loading up to 40,000 Cycles. IEEE Transactions on Applied Superconductivity, 2004, 14, 1489-1494.	1.1	39
159	Superconductive cables current distribution analysis. Fusion Engineering and Design, 2003, 66-68, 1159-1163.	1.0	16
160	AC loss of Nb ₃ /Sn-based Rutherford cables with internally and externally added Cu. IEEE Transactions on Applied Superconductivity, 2003, 13, 2376-2379.	1.1	5
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