Naoyuki Amemiya

List of Publications by Year
in descending order

265 papers	4,381 citations	168829 31 h-index	214428 50 g-index
271 all docs	271 docs citations	271 times ranked	1384 citing authors

#	Article	IF	Citations
1	Thermal Runaway of Conduction-Cooled Monofilament and Multifilament Coated Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-9.	1.1	6
2	Impact of Copper Thickness, Conductor Width, and Number of Striations on Coupling Loss Characteristics of Copper-Plated Multifilament-Coated Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-12.	1.1	9
3	Magnetic Field Drifts of Small HTS Dipole Magnet Under Repeated Excitation. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	3
4	Simplified Numerical Electromagnetic Field Analysis Method of Coils Wound With Spiral Coated-Conductor Cables. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	0
5	AC Loss Simulation in HTS Coil Windings Coupled With an Iron Core. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	4
6	Effective reduction of magnetisation losses in copper-plated multifilament coated conductors using spiral geometry. Superconductor Science and Technology, 2022, 35, 025003.	1.8	12
7	Magnetization Loss Measurements of Spiral Copper-Plated Multifilament Coated Conductors With Various Filament and Conductor Widths. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.1	3
8	Current-Sharing Between Filaments and Voltage â€" Current Characteristics of Copper-Plated Multifilament Coated Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	5
9	Measurements of Coupling Time Constants and Geometry Factors of Coupling Losses in Spiral Copper-Plated Multifilament Coated Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	3
10	A Novel Modeling Method for No-Load Saturation Characteristics of Synchronous Machines Using Finite Element Analysis. IEEE Transactions on Magnetics, 2021, 57, 1-5.	1.2	3
11	Finite-Element Analysis for Magnetic Flux in End Region of Synchronous Machine Using End-Winding Model. IEEE Transactions on Magnetics, 2021, 57, 1-6.	1.2	8
12	Shielding currents in multifilament coated conductors wound into pancake coils and layer-wound coils. Superconductor Science and Technology, 2021, 34, 105009.	1.8	5
13	Quench Experiments of Conduction-Cooled Coated Conductors With Various Copper-Stabilizer Thicknesses. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	4
14	Development of a REBCO Magnet for Accelerator. TEION KOGAKU (Journal of Cryogenics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	0.1	1
15	AC Loss and Shielding-Current-Induced Field in a Coated-Conductor Test Magnet for Accelerator Applications under Repeated Excitations. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	4
16	Reduction of AC Loss in HTS Coils of Superferric Magnets for Rapid-Cycling Synchrotrons by Changing Cross-Section of Coils and Iron Yoke Geometry. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	4
17	Coupling Time Constant Measurements of Spirally-Twisted Striated Coated Conductors With Finite Transverse Conductance Between Filaments. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	9
18	Simplified Electromagnetic Modelling of Accelerator Magnets Wound With Conductor on Round Core Wires for AC Loss Calculations. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	7

#	Article	IF	Citations
19	Coupling time constants and ac loss characteristics of spiral copper-plated striated coated-conductor cables (SCSC cables). Superconductor Science and Technology, 2020, 33, 055008.	1.8	14
20	Overview of S-Innovation Project on Fundamental Technology of HTS Accelerator Magnets. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2020, 55, 89-97.	0.1	0
21	Mitigation of Shielding-Current-Induced Fields (SCIFs) in HTS Magnets for Accelerator Systems. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2020, 55, 109-116.	0.1	1
22	Fabrication of a Model Magnet Using Coated Conductors for FFAG Accelerators. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2020, 55, 98-102.	0.1	1
23	Large-scale electromagnetic field analyses of coils wound with coated conductors using a current-vector-potential formulation with a thin-strip approximation. Superconductor Science and Technology, 2019, 32, 094002.	1.8	14
24	Test of Cryocooler-Cooled RE-123 Magnet on HIMAC Beam Line in S-Innovation Program. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	3
25	Development of an HTS Accelerator Magnet With REBCO Coils for Tests at HIMAC Beam Line. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	12
26	Shielding current in a copper-plated multifilament coated conductor wound into a single pancake coil and exposed to a normal magnetic field. Superconductor Science and Technology, 2019, 32, 115008.	1.8	15
27	Conceptual Study on lighter and more compact transmission cable systems for Hybrid Aircrafts. Journal of Physics: Conference Series, 2019, 1293, 012073.	0.3	0
28	Experimental Study on Quench Detection and Protection Conditions of Copper-Stabilized Coated Conductors Using Short Samples. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-11.	1.1	5
29	Feasibility Study on a Fault Current Limiter Consisting of Coated Conductors With Copper Fins for Improved Cooling by Liquid Nitrogen. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	1
30	AC Loss Measurement in HTS Coil Windings Coupled With Iron Core. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	11
31	AC Losses in HTS Coils of Superferric Dipole and Combined-Function Magnets. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	8
32	AC Loss Calculation of a Cosine-Theta Dipole Magnet Wound With Coated Conductors by 3D Modeling. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	8
33	Coupling time constants of striated and copper-plated coated conductors and the potential of striation to reduce shielding-current-induced fields in pancake coils. Superconductor Science and Technology, 2018, 31, 025007.	1.8	30
34	Numerical Modeling of Dynamic Loss in HTS-Coated Conductors Under Perpendicular Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-6.	1.1	26
35	The dynamic resistance of YBCO coated conductor wire: effect of DC current magnitude and applied field orientation. Superconductor Science and Technology, 2018, 31, 035002.	1.8	46
36	Application of Hierarchical Matrices to Large-Scale Electromagnetic Field Analyses of Coils Wound With Coated Conductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	8

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37	AC Loss Characteristics in REBCO Coil Assemblies With Different Geometries and Conductors. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	16
38	Influence of Eâ€“J Characteristics of Coated Conductors and Field Ramp-Up Rates on Shielding-Current-Induced Fields of Magnet. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.1	6
39	AC loss simulation in a HTS 3-Phase 1â€‰MVA transformer using H formulation. Cryogenics, 2018, 94, 14-21.	0.9	37
40	Numerical modelling of dynamic resistance in high-temperature superconducting coated-conductor wires. Superconductor Science and Technology, 2018, 31, 074003.	1.8	74
41	Dynamic Resistance Measurements in a GdBCO-Coated Conductor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	26
42	Hysteretic Rotating Characteristics of an HTS Induction/Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	12
43	Experimental and Analytical Studies on Highly Efficient Regenerative Characteristics of a 20-kW Class HTS Induction/Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	11
44	Fabrication and Excitation of a Model Magnet Using Coated Conductors for Spiral Sector FFAG Accelerators. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	2
45	Field Quality Measurement of an HTS Magnet for a Rotating Gantry. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	8
46	Dynamic resistance of a high-<i>T</i>_ccoated conductor wire in a perpendicular magnetic field at 77 K. Superconductor Science and Technology, 2017, 30, 03LT01.	1.8	80
47	AC Loss Measurements in a Hybrid REBCO/BSCCO Coil Assembly. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-7.	1.1	12
48	Corrections to â€œDesign and Magnetic Field Analyses of Spiral Sector Magnet in an FFAG Accelerator for Carbon Cancer Therapyâ€•[Jun 16 Art. no. 4402206]. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-1.	1.1	0
49	Test of 6-kVA Three-Phase Flux Transfer-Type Current-Limiting Transformer. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3549-3553.	0.8	2
50	Design and Test Results of Superconducting Magnet for Heavy-Ion Rotating Gantry. Journal of Physics: Conference Series, 2017, 871, 012083.	0.3	9
51	Study on AC loss measurements of HTS power cable for standardizing. Journal of Physics: Conference Series, 2017, 897, 012021.	0.3	4
52	Research and Development of the Coil System for a Beam Transport and Irradiation Line. TEION KOGAKU (Journal of Cryogenics and Superconductivity Society of Japan), 2017, 52, 234-243.	0.1	0
53	Development of HTS Magnet for Rotating Gantry. Physics Procedia, 2016, 81, 162-165.	1.2	4
54	Thermal Stability of Conduction-Cooled HTS Magnets for Rotating Gantry. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	5

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55	Contactless magnetic manipulation of magnetic particles in a fluid. Journal of Magnetism and Magnetic Materials, 2016, 411, 68-78.	1.0	14
56	Influence of Manufacturing Accuracy on Magnetic Field Distribution in Magnet for HTS Rotating Gantry. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.1	2
57	Influence of magnetization on field quality in cosine-theta and block design dipole magnets wound with coated conductors. Superconductor Science and Technology, 2016, 29, 045012.	1.8	6
58	AC loss measurements in HTS coil assemblies with hybrid coil structures. Superconductor Science and Technology, 2016, 29, 095011.	1.8	24
59	Magnetisation and field quality of a cosine-theta dipole magnet wound with coated conductors for rotating gantry for hadron cancer therapy. Superconductor Science and Technology, 2016, 29, 024006.	1.8	35
60	Design and Experimental Study of a Model Magnet for Spiral-Sector FFAG Accelerators. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	7
61	Design and Magnetic Field Analyses of Spiral Sector Magnet in an FFAG Accelerator for Carbon Cancer Therapy. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-6.	1.1	4
62	Experimental and Analytical Studies on Variable Speed Control of High-Temperature Superconducting Induction/Synchronous Motor. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.1	11
63	Design of a Cosine-theta Dipole Magnet Wound with Coated Conductors Considering their Deformation at Coil ends During Winding Process. Physics Procedia, 2015, 67, 776-780.	1.2	12
64	Design of Conduction-cooled HTS Coils for a Rotating Gantry. Physics Procedia, 2015, 67, 879-884.	1.2	13
65	Temporal behaviour of multipole components of the magnetic field in a small dipole magnet wound with coated conductors. Superconductor Science and Technology, 2015, 28, 035003.	1.8	31
66	Experimental Results of 275-kV 3-kA REBCO HTS Power Cable. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	23
67	Progress of Fundamental Technology R&D Toward Accelerator Magnets Using Coated Conductors in S-Innovation Program. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	18
68	Fabrication of Threeâ€Dimensional HTS Coils for Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	4
69	A magnetic anti-cancer compound for magnet-guided delivery and magnetic resonance imaging. Scientific Reports, 2015, 5, 9194.	1.6	40
70	Influence of Geometrical Configurations of HTS Roebel Cables on Their AC Losses. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	5
71	Tremendous Enhancement of Torque Density in HTS Induction/Synchronous Machine for Transportation Equipments. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	35
72	Efficient and Practical Models for Numerical Electromagnetic Field Analyses of Three-Dimensional-Shape Coils Wound With Coated Conductor. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.1	10

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73	Impact of flux gap upon dynamic resistance of a rotating HTS flux pump. Superconductor Science and Technology, 2015, 28, 115008.	1.8	84
74	Magnetic field harmonics measurements of conduction-cooled dipole magnet consisting of four race-track coils wound with coated conductors. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.1	2
75	Dynamic resistance of a high-<i>Tc</i> superconducting flux pump. Applied Physics Letters, 2014, 105, .	1.5	138
76	Alternating current loss characteristics of a Roebel cable consisting of coated conductors and a three-dimensional structure. Superconductor Science and Technology, 2014, 27, 035007.	1.8	39
77	Contactless grasp of a magnetic particle in a fluid and its application to quantifications of forces affecting its behavior. Journal of Magnetism and Magnetic Materials, 2014, 353, 82-89.	1.0	1
78	Electromagnetic Field Analyses of REBCO Roebel Cables Wound Into Coil Configurations. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	5
79	A Novel Magnet Design Using Coated Conductor for Spiral Sector FFAG Accelerators. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	5
80	Experimental Comparison of AC Loss in REBCO Roebel Cables Consisting of Six Strands and Ten Strands. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	13
81	The Behavior of Nano- and Micro-Magnetic Particles Under a High Magnetic Field Using a Superconducting Magnet. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	1
82	Development of Curved Combined-Function Superconducting Magnets for a Heavy-Ion Rotating-Gantry. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.1	21
83	Potential for Torque Density Maximization of HTS Induction/Synchronous Motor by Use of Superconducting Reluctance Torque. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.1	16
84	The scaling of transport AC losses in Roebel cables with varying strand parameters. Superconductor Science and Technology, 2014, 27, 075007.	1.8	19
85	Longitudinal inhomogeneity of DC current transport properties in Gd-system HTS tapes â€“ Statistical approach for system design. Cryogenics, 2014, 63, 17-24.	0.9	15
86	Magnetic Field Design of Combined-function Magnets Wound with Coated Conductors. Physics Procedia, 2013, 45, 237-240.	1.2	4
87	Development of Saddle-Shaped Coils Using Coated Conductors for Accelerator Magnets. IEEE Transactions on Applied Superconductivity, 2013, 23, 4100404-4100404.	1.1	17
88	Calculated Characteristics of HTS Induction/Synchronous Machine Below and Above Its Critical Temperature. IEEE Transactions on Applied Superconductivity, 2013, 23, 5201705-5201705.	1.1	12
89	Development of 66 kV and 275 kV Class REBCO HTS Power Cables. IEEE Transactions on Applied Superconductivity, 2013, 23, 5401405-5401405.	1.1	33
90	Design and Evaluation of 275 kV-3 kA HTS Power Cable. Physics Procedia, 2013, 45, 277-280.	1.2	15

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91	AC loss reduction of outer-diameter-fixed superconducting power transmission cables using narrow coated conductors. Physica C: Superconductivity and Its Applications, 2013, 484, 217-222.	0.6	10
92	Ac loss analyses of superconducting power transmission cables considering their three-dimensional geometries. Physica C: Superconductivity and Its Applications, 2013, 484, 148-152.	0.6	7
93	Development of a superconducting rotating-gantry for heavy-ion therapy. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 793-797.	0.6	24
94	Controllability of HTS Induction/Synchronous Machine for Variable Speed Control. IEEE Transactions on Applied Superconductivity, 2013, 23, 5202505-5202505.	1.1	10
95	Total AC loss measurements in a six strand Roebel cable carrying an AC current in an AC magnetic field. Superconductor Science and Technology, 2013, 26, 035014.	1.8	18
96	Progress of Research and Development of Fundamental Technologies for Accelerator Magnets Using Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 4601905-4601905.	1.1	20
97	The Dependence of Transport AC Loss on Temperature and DC Parallel Magnetic Field in an Eight-Strand YBCO Roebel Cable. IEEE Transactions on Applied Superconductivity, 2013, 23, 5402604-5402604.	1.1	4
98	Status of a 275 kV Class REBCO Superconducting Cable Development. IEEE Transactions on Applied Superconductivity, 2013, 23, 5402804-5402804.	1.1	9
99	Challenge to Functional, Efficient, and Compact Accelerator Systems using High <i>T</i>_c Superconductors. TEION KOGAKU (Journal of Cryogenics) Tj ETQq1 1 0.784314 rgBT /Overl	[illegible]	[illegible]
100	Three-dimensional model for numerical electromagnetic field analyses of coated superconductors and its application to Roebel cables. Superconductor Science and Technology, 2012, 25, 095011.	1.8	42
101	Magnetic Field Design of Coil-Dominated Magnets Wound With Coated Conductors. IEEE Transactions on Applied Superconductivity, 2012, 22, 4901705-4901705.	1.1	17
102	Trial Test of Fully HTS Induction/Synchronous Machine for Next Generation Electric Vehicle. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200904-5200904.	1.1	59
103	Performance of Induction/Synchronous Motor Having ${m MgB}_{2}$ Cage Windings for Liquid Hydrogen Circulation Pump. IEEE Transactions on Applied Superconductivity, 2012, 22, 5200404-5200404.	1.1	12
104	AC loss measurements in pancake coils wound with 2G tapes and Roebel cable: dependence on spacing between turns/strands. Superconductor Science and Technology, 2012, 25, 035002.	1.8	27
105	Development and fundamental study on a superconducting induction/synchronous motor incorporated with MgB₂cage windings. Superconductor Science and Technology, 2012, 25, 014004.	1.8	17
106	Focus section on superconducting power systems. Superconductor Science and Technology, 2012, 25, 010301-010301.	1.8	0
107	Transport AC Loss Measurements in Single- and Two-Layer Parallel Coated Conductor Arrays With Low Turn Numbers. IEEE Transactions on Applied Superconductivity, 2012, 22, 8200306-8200306.	1.1	13
108	Fabrication of YBCO Small Test Coils for Accelerator Magnet Development. IEEE Transactions on Applied Superconductivity, 2012, 22, 4101904-4101904.	1.1	12

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109	Design of a superconducting rotating gantry for heavy-ion therapy. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	89
110	R&D Efforts Towards High Field Accelerator Magnets at KEK. IEEE Transactions on Applied Superconductivity, 2012, 22, 4003205-4003205.	1.1	5
111	Measurements of Magnetic Field Harmonics in Superconductor Coil Wound by Surface Winding Technology. IEEE Transactions on Applied Superconductivity, 2012, 22, 9000404-9000404.	1.1	5
112	Design and Evaluation of 66 kV-class â€œ3-in-Oneâ€•HTS Cable Using REBCO Wires. Physics Procedia, 2012, 36, 849-854.	1.2	6
113	Development of REBCO HTS Power Cables. Physics Procedia, 2012, 36, 1153-1158.	1.2	11
114	Research and development of fundamental technologies for accelerator magnets using high Tc superconductors. Physica C: Superconductivity and Its Applications, 2012, 482, 74-79.	0.6	25
115	Development of 66kV class REBCO superconducting cable. Physics Procedia, 2012, 27, 364-367.	1.2	1
116	Fundamental Study on Saving Energy for Electrified Railway System Applying High Temperature Superconductor Motor and Energy Storage System. IEEJ Transactions on Power and Energy, 2012, 132, 398-406.	0.1	0
117	A high temperature superconducting induction/synchronous motor with a ten-fold improvement in torque density. Superconductor Science and Technology, 2011, 24, 015014.	1.8	20
118	Transport AC Loss Characteristics of a Five Strand YBCO Roebel Cable With Magnetic Substrate. IEEE Transactions on Applied Superconductivity, 2011, 21, 3289-3292.	1.1	4
119	Design and Evaluation of 66 kV Class HTS Power Cable Using REBCO Wires. IEEE Transactions on Applied Superconductivity, 2011, 21, 1009-1012.	1.1	12
120	Model Cable Tests for a 275 kV 3 kA HTS Power Cable. IEEE Transactions on Applied Superconductivity, 2011, 21, 976-979.	1.1	24
121	Effects of Lateral-Tailoring of Coated Conductor for Ac Loss Reduction of Superconducting Power Transmission Cables. IEEE Transactions on Applied Superconductivity, 2011, 21, 943-946.	1.1	15
122	Effects of Unevenly Distributed Critical Currents and Damaged Coated Conductors to AC Losses of Superconducting Power Transmission Cables. IEEE Transactions on Applied Superconductivity, 2011, 21, 953-956.	1.1	14
123	Analytic Evaluation of HTS Induction Motor for Electric Rolling Stock. IEEE Transactions on Applied Superconductivity, 2011, 21, 1123-1126.	1.1	15
124	Magnetic Field Design of Dipole Magnet Wound With Coated Conductor Considering Its Current Transport Characteristics. IEEE Transactions on Applied Superconductivity, 2011, 21, 1833-1837.	1.1	19
125	Lateral critical current density distributions degraded near edges of coated conductors through cutting processes and their influence on ac loss characteristics of power transmission cables. Physica C: Superconductivity and Its Applications, 2011, 471, 990-994.	0.6	20
126	Progress of 275kVâ€“3kA YBCO HTS cable. Physica C: Superconductivity and Its Applications, 2011, 471, 1274-1278.	0.6	30

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127	Design and evaluation of 66kV-class HTS power cable using REBCO wires. Physica C: Superconductivity and Its Applications, 2011, 471, 1279-1282.	0.6	8
128	The dependence of AC loss characteristics on the spacing between strands in YBCO Roebel cables. Superconductor Science and Technology, 2011, 24, 065005.	1.8	25
129	Model for electromagnetic field analysis of superconducting power transmission cable comprising spiraled coated conductors. Superconductor Science and Technology, 2011, 24, 119501.	1.8	10
130	Model for electromagnetic field analysis of superconducting power transmission cable comprising spiraled coated conductors. Superconductor Science and Technology, 2011, 24, 085014.	1.8	32
131	Ac loss reduction of multilayer superconducting power transmission cables by using narrow coated conductors. Superconductor Science and Technology, 2011, 24, 065013.	1.8	19
132	Fundamental Study on Improvement of Power Load Characteristics Applying High Temperature Superconductor Motor for Electrified Railway. IEEJ Transactions on Power and Energy, 2011, 131, 493-501.	0.1	2
133	CHATS-2008: Workshop on computation of thermo-hydraulic transients in superconductors, October 29â€"November 1, 2008, KEK, high energy accelerator research organization, Tsukuba, Ibaraki, Japan. Cryogenics, 2010, 50, 127-128.	0.9	0
134	AC loss characteristics of superconducting power transmission cables: gap effect andJcdistribution effect. Superconductor Science and Technology, 2010, 23, 115003.	1.8	27
135	Transport AC loss characteristics of a nine strand YBCO Roebel cable. Superconductor Science and Technology, 2010, 23, 025028.	1.8	31
136	Flux Pumping Effect of HTS Films in a Traveling Magnetic Field. IEEE Transactions on Applied Superconductivity, 2010, 20, 1033-1036.	1.1	36
137	Visualization of magnetic microparticles in liquid and control of their motion using dynamic magnetic field. Journal of Applied Physics, 2010, 107, 09B521.	1.1	3
138	Ac losses in two-layer superconducting power transmission cables consisting of coated conductors with a magnetic substrate. Superconductor Science and Technology, 2010, 23, 014022.	1.8	15
139	Multi-Pole Components of Magnetic Field in Dipole Magnets Wound With High $T_{m c}$ Superconductor Tape and Feasibility of Their Accelerator Applications. IEEE Transactions on Applied Superconductivity, 2010, 20, 364-367.	1.1	9
140	AC Losses in High Tc Superconductors. TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	5
141	Development of a 10 m long 1 kA 66/77 kV YBCO HTS cable with low AC loss and a joint with low electrical resistance. Superconductor Science and Technology, 2009, 22, 085003.	1.8	14
142	Transport AC loss measurement of a five strand YBCO Roebel cable. Superconductor Science and Technology, 2009, 22, 095002.	1.8	30
143	Development of (RE)BCO cables for HTS power transmission lines. Physica C: Superconductivity and Its Applications, 2009, 469, 1688-1692.	0.6	16
144	Development of 6.6kV/600A superconducting fault current limiter using coated conductors. Physica C: Superconductivity and Its Applications, 2009, 469, 1740-1744.	0.6	23

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145	Development of 1m HTS conductor using YBCO on textured metal substrate. Physica C: Superconductivity and Its Applications, 2009, 469, 1693-1696.	0.6	2
146	Transport losses in polygonal assemblies of coated conductors with textured-metal substrate. Physica C: Superconductivity and Its Applications, 2009, 469, 1427-1431.	0.6	3
147	AC loss characteristics of copper-stabilized YBCO coated conductor. Cryogenics, 2009, 49, 280-285.	0.9	3
148	Design and Experimental Results of Three-Phase Superconducting Fault Current Limiter Using Highly-Resistive YBCO Tapes. IEEE Transactions on Applied Superconductivity, 2009, 19, 1956-1959.	1.1	11
149	Influence of substrate magnetism of coated conductors on critical current distribution measurement using magnetic knife method. Physica C: Superconductivity and Its Applications, 2008, 468, 1688-1692.	0.6	4
150	Development of YBCO HTS cable with low AC loss. Physica C: Superconductivity and Its Applications, 2008, 468, 2037-2040.	0.6	13
151	Transport losses in single and assembled coated conductors with textured-metal substrate with reduced magnetism. Physica C: Superconductivity and Its Applications, 2008, 468, 1718-1722.	0.6	37
152	Short circuit experiment on an FCL coil wound with YBCO tape with a high-resistance stabilizing layer. Journal of Physics: Conference Series, 2008, 97, 012308.	0.3	0
153	Magnetic field generated by shielding current in high<i>T</i>_csuperconducting coils for NMR magnets. Superconductor Science and Technology, 2008, 21, 095001.	1.8	126
154	Numerical calculation of AC losses in multi-layer superconducting cables composed of coated conductors. Superconductor Science and Technology, 2008, 21, 025013.	1.8	27
155	The dependence of AC loss characteristics on the space in stacked YBCO conductors. Superconductor Science and Technology, 2008, 21, 015020.	1.8	26
156	Electromagnetic field analyses of two-layer power transmission cables consisting of coated conductors with magnetic and non-magnetic substrates and AC losses in their superconductor layers. Superconductor Science and Technology, 2008, 21, 015007.	1.8	17
157	Total AC Loss in Twisted Multifilamentary Coated Conductors Carrying AC Transport Current in AC Transverse Magnetic Field. IEEE Transactions on Applied Superconductivity, 2007, 17, 3183-3186.	1.1	6
158	Numerical Analysis of AC Losses in Multifilamentary Coated Conductors With Non-Uniform Electric Properties. IEEE Transactions on Applied Superconductivity, 2007, 17, 2402-2405.	1.1	4
159	Total AC Loss Characteristics in a Stacked YBCO Conductor. IEEE Transactions on Applied Superconductivity, 2007, 17, 2442-2445.	1.1	19
160	AC Loss Reduction of Superconducting Power Transmission Cables Composed of Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 1712-1717.	1.1	60
161	Low ac Loss Multifilament Coated Conductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3148-3150.	1.1	13
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