Stefano Sgobba

List of Publications by Year
in descending order

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19 papers	98 citations	1307594 7 h-index	1372567 10 g-index
19 all docs	19 docs citations	19 times ranked	93 citing authors

#	Article	IF	Citations
1	Design of the third-generation lead-based neutron spallation target for the neutron time-of-flight facility at CERN. Physical Review Accelerators and Beams, 2021, 24, .	1.6	17
2	Manufacture of the ITER Central Solenoid Components. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	12
3	Advanced Examination Techniques Applied to the Assessment of Vacuum Pressure Impregnation (VPI) of ITER Correction Coils. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	10
4	Starting Manufacture of the ITER Central Solenoid. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	9
5	Physical Properties of a High-Strength Austenitic Stainless Steel for the Precompression Structure of the ITER Central Solenoid. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	8
6	Application of hot isostatic pressing (HIP) technology to diffusion bond refractory metals for proton beam targets and absorbers at CERN. Material Design and Processing Communications, 2020, 2, e101.	0.9	8
7	Flow and fracture of austenitic stainless steels at cryogenic temperatures. Engineering Fracture Mechanics, 2021, 258, 108042.	4.3	8
8	Qualification of the Manufacturing Procedures of the ITER Correction Coils. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	7
9	Qualification of ITER Correction Coil Superconducting Joint. IEEE Transactions on Plasma Science, 2018, 46, 3223-3228.	1.3	4
10	The Effect of Specific Manufacturing Characteristics on PF ITER Full-Size Joint Performance. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	3
11	Hot isostatic pressing assisted diffusion bonding for application to the Super Proton Synchrotron internal beam dump at CERN. Physical Review Accelerators and Beams, 2021, 24, .	1.6	3
12	Examination and Characterization of Physical and Mechanical Properties of the ITER Central Solenoid Module Coils. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
13	Investigation of Materials and Welds for the Precompression Structure of the ITER Central Solenoid. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	2
14	Design Optimization and Assessment of Fabrication of ITER Central Solenoid Twin Box Joints. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	2
15	Examination and Assessment of Large Forged Structural Components for the Precompression Structure of the ITER Central Solenoid. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	1
16	Mechanical Characterization of Low-Carbon Steels for High-Field Accelerator Magnets: Application to Nb$_{3}$Sn Low-eta Quadrupole MQXF. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.7	1
17	Secondary Phases Quantification and Fracture Toughness at Cryogenic Temperature of Austenitic Stainless Steel Welds for High-Field Superconducting Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	0
18	Metallurgical assessment of large size tensioning components for the precompression structure of the ITER central solenoid. Fusion Engineering and Design, 2021, 170, 112543.	1.9	0

#	Article	IF	Citations
19	Mechanical Characterization of Nb₃Sn Cable Insulation Systems Used for HL-LHC Accelerator Magnets at Ambient Temperature. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	0