

Florent Gauthier

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	ITER Central Solenoid Insert Test Results. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	37
2	Thermal Hydraulic Analysis of the ITER PF and Correction Coils in 15 MA Scenario Operation Using the SuperMagnet Suite of Codes. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	12
3	First ITER CS module test results. Fusion Engineering and Design, 2021, 164, 112169.	1.9	12
4	AC Losses in the First ITER CS Module Tests: Experimental Results and Comparison to Analytical Models. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	11
5	Review of Experimental Results and Models for AC Losses in the ITER PF and CS Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	11
6	Development of the Pseudo 3D Thermo Hydraulic Tool TACOS: Application to JT-60SA TF Coils Design Optimization. IEEE Transactions on Applied Superconductivity, 2010, 20, 1794-1797.	1.7	9
7	AC Losses in the Second Module of the ITER Central Solenoid. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	9
8	Description of the AC Loss Model for the ITER Central Solenoid During a Plasma Scenario. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	9
9	Short initial length quench on CICC of ITER TF coils. AIP Conference Proceedings, 2014, , .	0.4	7
10	Start of the ITER Central Solenoid Assembly. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
11	$T_{\mathbf{cs}}$ Measurement Result of ITER Toroidal Field Insert Coil Tested in 2016. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	5
12	Experimental characterization of the ITER TF structure cooling in HELIOS test facility. IOP Conference Series: Materials Science and Engineering, 2015, 101, 012148.	0.6	4
13	Update of Joule Losses Calculation in the ITER Cold Structures During Fast Plasma Transients. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	4
14	Analysis of Electrodynamical Transients in the ITER PF Joints. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
15	Modelization of the thermal coupling between the ITER TF coil conductor and the structure cooling circuit. Cryogenics, 2016, 80, 294-304.	1.7	2
16	Thermal Hydraulic Behavior of the First ITER CS Module. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
17	Quasi 3D Thermo-Hydraulic Modeling and Conductor Temperatures of the ITER Correction Coils. IEEE Transactions on Applied Superconductivity, 2012, 22, 4902404-4902404.	1.7	1
18	ITER Side Correction Coil Quench model and analysis. Cryogenics, 2016, 80, 305-316.	1.7	1