Scientific publications _ type : articles in journal

	DOI* and Repository link*	Title*	Authors*	Title of the journal*	Publisher*	Place of publication*	year*	Open access* (green,gold, embargo period)	is it a peer-reviewd publication?*	is it a public/private publication ?
1	DOI link 10.1109/tasc.2022.3150622 HAL link accepted version https://hal.science/hal-03759460	Metal-as Insulation HTS Insert for VeryHigh-Field Magnet: A Test Report After Repair	JB. Song, X. Chaud, F. Debray, S. Krämer, P. Fazilleau, T. Lécrevisse	IEEE transaction on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2022	green, 24 months	yes	no
2	DOI link 10.1088/1361-6668/ac49a5 HAL link accepted version https://hal.science/hal-03759463	Metal-as insulation HTS coils	T. Lécrevisse; X. Chaud; P. Fazilleau; C. Genot; JB. Song	Superconductor Science and Technology Journal	Institute of Physics Publishing	UK	2022	green, 12months	yes	no
3	DOI link 10.1109/TASC.2023.3252492	Electro-thermal modelling by novel variational methods: racetrack coil in short-circuit	E. Pardo, A. Dadhich	IEEE transaction on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2023	green, 24 months		
4	DOI link 10.1109/TASC.2024.3357474 HAL link accepted version https://hal.science/hal-04416168v1/document/	Metal-as-Insulation REBCO Insert: Simplified Protection Scheme and Investigation of Cooling Defect under High-Field Operation	JB. Song, X. Chaud, F. Debray, S. Krämer, S. Bagnis, P. Fazilleau, T. Lécrevisse	IEEE Transactions on Applied Superconductivity.	Institute of Electrical and Electronics Engineers	United States	2024	green, 24 months		
5	DOI link 10.1109/TASC.2023.3340134 HAL link accepted version https://hal.science/hal-04378921v1	Estimation of Physical and Electrical Properties of Various REBCO Tapes for Construction of Very-High-Field REBCO Magnet	JB. Song, X. Chaud, F. Debray, K. Paillot, P. Fazilleau, T. Lécrevisse, T. Herrmannsdörfer, C. Senatore, M. Dhallé, A. Smara	IEEE Transactions on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2024	green, 24 months		yes
6	DOI link 10.1088/1361-6668/ad1c6f	Fast and accurate electromagnetic modeling of non-insulated and metal-insulated REBCO magnets	E Pardo, P Fazilleau	Superconductor Science and Technology	Institute of Physics Publishing	United Kingdom	2024	green,12 months		
7	DOI link 10.1109/TASC.2024.3370138 HAL link accepted version https://hal.science/hal-04484292	Behavior during quenches of a 40 T magnet made of LTS and HTS parts	P. Fazilleau et al.	IEEE Transactions on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2024	green, 24 months		
8	DOI link 10.1109/TASC.2024.3368997 HAL link accepted version https://hal.science/hal-04502315	Design of all-superconducting user magnets generating more than 40 T for the SuperEMFL project.	M.Durochat, P.Fazilleau, X. Chaud, T.Lecrevisse	IEEE Transactions on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2024			

	DOI link 10.1109/TASC.2024.3362749 HAL link accepted version https://hal.science/hal-04484273	2D axisymmetric modeling of the HTS insert Nougat in a background magnetic field generated by resistive magnet	J. Muzet, C. Trophime, X.Chaud, C. PrudHomme and V. Chabannes	IEEE Transactions on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2024			

The accepted version of the publications put on HAL is available on the EMFL website https://emfl.eu/superemfl/superemfl-documents/ and the full published version is available upon request to the project coordinator xavier.chaud@lncmi.cnrs.fr