

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-reviewed publication?*	is it a public/private publication ?
1	<a href="https://doi.org/10.1109/tasc.2022.3150622">DOI link 10.1109/tasc.2022.3150622</a> HAL link accepted version <a href="https://hal.science/hal-03759460">https://hal.science/hal-03759460</a>	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. Lécresse	IEEE transaction on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2022	green, 24 months	yes	no
2	<a href="https://doi.org/10.1088/1361-6668/ac49a5">DOI link 10.1088/1361-6668/ac49a5</a> HAL link accepted version <a href="https://hal.science/hal-03759463">https://hal.science/hal-03759463</a>	Metal-as insulation HTS coils	T. Lécresse; X. Chaud; P. Fazilleau; C. Genot; JB. Song	Superconductor Science and Technology Journal	Institute of Physics Publishing	UK	2022	green, 12months	yes	no
3	<a href="https://doi.org/10.1109/TASC.2023.3252492">DOI link 10.1109/TASC.2023.3252492</a>	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	<a href="https://doi.org/10.1109/TASC.2024.3357474">DOI link 10.1109/TASC.2024.3357474</a> HAL link accepted version <a href="https://hal.science/hal-04416168v1/document/">https://hal.science/hal-04416168v1/document/</a>	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. Lécresse	IEEE Transactions on Applied Superconductivity.	Institute of Electrical and Electronics Engineers	United States	2024	green, 24 months		
5	<a href="https://doi.org/10.1109/TASC.2023.3340134">DOI link 10.1109/TASC.2023.3340134</a> HAL link accepted version <a href="https://hal.science/hal-04378921v1">https://hal.science/hal-04378921v1</a>	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. Lécresse, 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	<a href="https://doi.org/10.1088/1361-6668/ad1c6f">DOI link 10.1088/1361-6668/ad1c6f</a>	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	<a href="https://doi.org/10.1109/TASC.2024.3370138">DOI link 10.1109/TASC.2024.3370138</a> HAL link accepted version <a href="https://hal.science/hal-04484292">https://hal.science/hal-04484292</a>	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	<a href="https://doi.org/10.1109/TASC.2024.3368997">DOI link 10.1109/TASC.2024.3368997</a> HAL link accepted version	Design of all-superconducting user magnets generating more than 40 T for the SuperEMFL project.	M.Durochat, P.Fazilleau, X. Chaud, T.Lecresse	IEEE Transactions on Applied Superconductivity	Institute of Electrical and Electronics Engineers	United States	2024			

	<a href="https://hal.science/hal-04502315">https://hal.science/hal-04502315</a>									
9	<a href="#">DOI link</a> <a href="https://hal.science/hal-04484273">10.1109/TASC.2024.3362749</a> HAL link accepted version <a href="https://hal.science/hal-04484273">https://hal.science/hal-04484273</a>	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			
10	HAL link accepted version <a href="https://hal.science/hal-04843011v1">https://hal.science/hal-04843011v1</a>	Multi-physics modeling of metal-insulated REBCO magnets with screening currents (extended abstract)	E. Pardo, A. Dadhich, A.K Srivastava, P. Fazilleau, N. Jerance, A.Varney, S. Ball	HAL			2024	green, no embargo	no	yes
11	<a href="https://iopscience.iop.org/article/10.1088/1361-6668/ad7f95">https://iopscience.iop.org/article/10.1088/1361-6668/ad7f95</a>	REBCO tapes for applications in ultra-high fields: critical current surface and scaling relations	Carmine Senatore, Marco Bonura, Tommaso Bagni	Supercond. Sci. Technol.	Institute of Physics Publishing	United Kingdom	2024	gold	yes	no
12	<a href="https://arxiv.org/abs/2402.04034">https://arxiv.org/abs/2402.04034</a>	A novel and fast electromagnetic and electrothermal software for quench analysis of high field magnets	A Dadhich, P Fazilleau, E Pardo,	Supercond. Sci. Technol.	Institute of Physics Publishing	United Kingdom	2024	green, no embargo, author's version	yes	no
13	<a href="https://zenodo.org/records/12820620">https://zenodo.org/records/12820620</a>	Multi-physics modeling of metal-insulated REBCO magnets with screening currents	Pardo, Enric; Dadhich, Anang; Srivastava, Arpit Kumar; Fazilleau, Philippe; Jerance, Nikola; Varney, Andrew; Steven, Ball	9th International Workshop on Numerical Modelling of High Temperature Superconductors (HTS 2024)	zenodo	cern	2024	green, no embargo	no	yes
14	<a href="https://zenodo.org/records/13353717">https://zenodo.org/records/13353717</a>	Modelling the effect of anisotropic elasticity of REBCO on the mechanics of high field magnets with screening currents	Srivastava, Arpit Kumar; Dadhich, Anang; Pardo, Enric; Fazilleau, Philippe	ICEC/ICMC, Geneva, Switzerland	zenodo	cern	2024	green, no embargo	no	no
15	<a href="https://zenodo.org/records/14274269">https://zenodo.org/records/14274269</a>	Modelling and design implications of quenches in hybrid HTS/LTS high field magnets	Varney, Andrew; Fazilleau, Philippe; Ball, Steven; Viznichenko, Roman; Pardo, Enric; Twin, Andrew; Chaud, Xavier; Jerance, Nikola; Lecrevisse, Thibault; Dadhich, Anang	MT-28 International Conference on Magnet Technology	Institute of Physics Publishing	United Kingdom	2024	green, no embargo	no	yes
16	<a href="https://doi.org/10.1088/1361-6668/ad4a34">https://doi.org/10.1088/1361-6668/ad4a34</a>	Modelling the mechanics of 32 T REBCO superconductor magnet using numerical simulation	Arpit Kumar Srivastava, Enric Pardo	Superconductor Science and Technology	zenodo	cern	2024	green, no embargo, author's version	yes	no

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