

Felipe Sass

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Integrated Methodology to Assess AC Losses in the kHz Range Using the FEM and Partial Element Equivalent Circuit. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-8.	1.7	8
2	A 3-D Finite-Element Method Approach for Analyzing Different Short Circuit Types in a Saturated Iron Core Fault Current Limiter. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-13.	1.7	11
3	2-D Modeling of HTS Coils With T-A Formulation: How to Handle Different Coupling Scenarios. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	8
4	Design and tests of solid-state fault current limiters prototypes. International Transactions on Electrical Energy Systems, 2021, 31, e12738.	1.9	6
5	Multi-objective optimization for the superconducting bias coil of a saturated iron core fault current limiter using the T-A formulation. Superconductor Science and Technology, 2021, 34, 025012.	3.5	17
6	Tests and recovery under load simulations of a novel bifilar resistive SFCL having undulated shape configuration. Superconductor Science and Technology, 2021, 34, 045009.	3.5	11
7	A coupling method of the superconducting devices modeled by finite element method with the lumped parameters electrical circuit. Superconductor Science and Technology, 2021, 34, 045014.	3.5	10
8	Novel Design of a Hybrid Superconducting Fault Current Limiter with Controlled Solid-State Device. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2021, 20, 334-347.	0.7	1
9	Comparison of Three-Phase Induction Motors Testing Methods using ABNT 17094-3:2018 and IEC 60034-2-1:2014. IEEE Latin America Transactions, 2021, 19, 746-754.	1.6	1
10	A Novel Configuration for Resistive SFCL with bifilar 2G tapes. Journal of Physics: Conference Series, 2020, 1559, 012098.	0.4	7
11	Simulation of Superconducting Machine With Stacks of Coated Conductors Using Hybrid A-H Formulation. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-9.	1.7	11
12	Simulations of REBCO tape jointless double crossed loop coils with an integral equations method. Superconductor Science and Technology, 2019, 32, 044002.	3.5	3
13	Proposal of a Novel Design for Linear Superconducting Motor Using 2G Tape Stacks. IEEE Transactions on Industrial Electronics, 2018, 65, 7477-7484.	7.9	36
14	Superconducting magnetic bearings with bulks and 2G HTS stacks: comparison between simulations using H and A-V formulations with measurements. Superconductor Science and Technology, 2018, 31, 025006.	3.5	32
15	Analysis of rotating field and induced current density in synchronous-hysteresis superconducting machine. , 2018, , .		3
16	Power quality " Regulation of residential electrical loads. , 2018, , .		1
17	A Novel Magnetic Bearing Using REBCO Double Crossed Loop Coils. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	14
18	Using the integral equations method to model a 2G racetrack coil with anisotropic critical current dependence. Superconductor Science and Technology, 2017, 30, 115009.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Optimization of the Superconducting Linear Magnetic Bearing of a Maglev Vehicle. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	34
20	Persistent currents in a magnetic bearing with coated conductors. Journal of Applied Physics, 2015, 118, .	2.5	15
21	H-formulation for simulating levitation forces acting on HTS bulks and stacks of 2G coated conductors. Superconductor Science and Technology, 2015, 28, 125012.	3.5	110
22	Characterization of a Second Generation HTS Coil for Electrical Power Devices. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
23	Lateral Displacement Influence on the Levitation Force of YBCO Coated Conductor Linear Bearings. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-5.	1.7	29
24	Superconducting Levitation Using Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 3600905-3600905.	1.7	30
25	Coated Conductors for the Magnetic Bearing Application. Physics Procedia, 2012, 36, 1008-1013.	1.2	20
26	Dynamical Tests in a Linear Superconducting Magnetic Bearing. Physics Procedia, 2012, 36, 1049-1054.	1.2	26
27	Operational Tests of a Full Scale Superconducting MagLevehicle Unit. Physics Procedia, 2012, 36, 943-947.	1.2	14
28	Application of 2G-Tape for Passive and Controlled Superconducting Levitation. IEEE Transactions on Applied Superconductivity, 2011, 21, 1511-1514.	1.7	14
29	Design and implementation of a digital control system for an axial flux switched reluctance motor. , 2009, , .		4