

Felipe Sass

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Optimization of the Superconducting Linear Magnetic Bearing of a Maglev Vehicle. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	34
4	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
5	Superconducting Levitation Using Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 3600905-3600905.	1.7	30
6	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
7	Dynamical Tests in a Linear Superconducting Magnetic Bearing. Physics Procedia, 2012, 36, 1049-1054.	1.2	26
8	Coated Conductors for the Magnetic Bearing Application. Physics Procedia, 2012, 36, 1008-1013.	1.2	20
9	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
10	Persistent currents in a magnetic bearing with coated conductors. Journal of Applied Physics, 2015, 118, .	2.5	15
11	Application of 2G-Tape for Passive and Controlled Superconducting Levitation. IEEE Transactions on Applied Superconductivity, 2011, 21, 1511-1514.	1.7	14
12	Operational Tests of a Full Scale Superconducting MagLevehicle Unit. Physics Procedia, 2012, 36, 943-947.	1.2	14
13	A Novel Magnetic Bearing Using REBCO Double Crossed Loop Coils. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	14
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	2-D Modeling of HTS Coils With HTS-^{HTS} Formulation: How to Handle Different Coupling Scenarios. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	8
20	A Novel Configuration for Resistive SFCL with bifilar 2G tapes. Journal of Physics: Conference Series, 2020, 1559, 012098.	0.4	7
21	Design and tests of solid-state fault current limiters prototypes. International Transactions on Electrical Energy Systems, 2021, 31, e12738.	1.9	6
22	Design and implementation of a digital control system for an axial flux switched reluctance motor. , 2009, , .		4
23	Characterization of a Second Generation HTS Coil for Electrical Power Devices. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	4
24	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
25	Analysis of rotating field and induced current density in synchronous-hysteresis superconducting machine. , 2018, , .		3
26	Simulations of REBCO tape jointless double crossed loop coils with an integral equations method. Superconductor Science and Technology, 2019, 32, 044002.	3.5	3
27	Power quality " Regulation of residential electrical loads. , 2018, , .		1
28	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
29	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