

Weijie Xu

List of Publications by Year in descending order

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19
docs citations

19
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Deformation Analysis of Power Transformer Windings in Short-Circuit Fault by FEM. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-4.	1.7	86
2	Hysteresis Modeling of High-Temperature Superconductor Using Simplified Preisach Model. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	43
3	Analysis of Inter-Turn Insulation of High Voltage Electrical Machine by Using Multi-Conductor Transmission Line Model. IEEE Transactions on Magnetics, 2013, 49, 1905-1908.	2.1	23
4	Optimum Design of Rotor for High-Speed Switched Reluctance Motor Using Level Set Method. IEEE Transactions on Magnetics, 2014, 50, 765-768.	2.1	22
5	Modeling and Measurement of Magnetic Hysteresis of Soft Magnetic Composite Materials Under Different Magnetizations. IEEE Transactions on Industrial Electronics, 2017, 64, 2459-2467.	7.9	21
6	Modeling and Insulation Performance Analysis of Composite Transmission Line Tower Under Lightning Overvoltage. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	14
7	Current Distribution Calculation of Superconducting Layer in HTS Cable Considering Magnetic Hysteresis by Using XFEM. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	11
8	A new Preisach type hysteresis model of high temperature superconductors. Journal of Applied Physics, 2015, 117, .	2.5	10
9	An Improved XFEM With Multiple High-Order Enrichment Functions and Low-Order Meshing Elements for Field Analysis of Electromagnetic Devices With Multiple Nearby Geometrical Interfaces. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	7
10	Extended Finite-Element Method for Weak Discontinuities in Electric Fields. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	6
11	A Temperature-Dependent Hysteresis Model for Soft Ferrites. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	6
12	Extended Finite-Element Method for Electric Field Analysis of Insulating Plate With Crack. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	4
13	A Stress-Dependent Magnetic Hysteresis Model for Soft Magnetic Composite Materials. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	4
14	Accuracy analysis of structure with nearby interfaces within XFEM. AIP Advances, 2017, 7, .	1.3	3
15	Quasi-3-D Cylindrical Coordinate XFEM Model of HTS Cable. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
16	A Scalar Hysteresis Model of Ferromagnetic Materials Based on the Elemental Operators. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	0
17	Modelling and Experimental Verification on Magnetic Hysteresis Properties of Soft Magnetic Composite Material. Lecture Notes in Electrical Engineering, 2021, , 873-879.	0.4	0
18	Research on 3D Improved Extended Finite Element Method for Electric Field of Liquid Nitrogen with Bubbles. Applied Sciences (Switzerland), 2021, 11, 4839.	2.5	0

#	ARTICLE	IF	CITATIONS
19	Magnetic Characteristic Analysis of High Temperature Superconductors by the Elemental Operator Model. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	0