Youhua H Wang

List of Publications by Year
in descending order

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30	269	933447 10	996975 15
papers	citations	h-index	g-index

30	30	30	224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Residual Flux Measurement of Power Transformer Based on Transient Current Difference. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	10
2	Study on the residual flux density measurement method for power transformer cores based on magnetising inductance. IET Electric Power Applications, 2022, 16, 224-235.	1.8	2
3	Analysis and Cogging Torque Minimization of a Novel Flux Reversal Claw Pole Machine with Soft Magnetic Composite Cores. Energies, 2022, 15, 1285.	3.1	4
4	Design and analysis of mechanical flux-weakening device of axial flux permanent magnet machines. Journal of Power Electronics, 2022, 22, 653-663.	1.5	1
5	Magnetothermal Coupling Analysis of Permanent Magnet Claw Pole Machine Using Combined 3D Magnetic and Thermal Network Method. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
6	Residual Flux Density Measurement Method for Transformer Core Considering Relative Differential Permeability. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	9
7	Core Loss Analysis of Soft Magnetic Composites Based on 3D Model Considering Temperature Influence. IEEE Access, 2021, 9, 153420-153428.	4.2	4
8	Design and Analysis of a New Permanent Magnet Claw Pole Machine With S-Shape Winding. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	3
9	Research on Residual Flux Density Measurement for Single-Phase Transformer Core Based on Energy Changes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	7
10	Analysis of the Electromechanical Characteristics of Power Transformer under Different Residual Fluxes. Energies, 2021, 14, 8244.	3.1	4
11	Residual Flux Density Measurement Method of Single-Phase Transformer Core Based on Time Constant. IEEE Access, 2020, 8, 171479-171488.	4.2	7
12	Analysis and design optimization of a low-cost axial flux Vernier machine with SMC cores and ferrite magnets. Electrical Engineering, 2020, 102, 2595-2604.	2.0	2
13	Residual Flux Measurement of the Single-Phase Transformer Based on Transient Current Method. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	13
14	Detent Force Minimization of a Tubular Flux-Switching Permanent Magnet Motor Using Un-Equal Width Stator Slots Based on Taguchi Method. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
15	Sensitivity Analysis of Design Parameters in Transverse Flux Induction Heating Device. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	3
16	A Novel Flux Reversal Claw Pole Machine With Soft Magnetic Composite Cores. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	10
17	Development of a High-Performance Axial Flux PM Machine With SMC Cores for Electric Vehicle Application. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	33
18	Analysis of the residual flux influence on inrush current and electromagnetic force in large power transformer. Journal of Engineering, 2019, 2019, 2426-2429.	1.1	11

#	Article	IF	Citations
19	Velocity-Controlled Particle Swarm Optimization (PSO) and Its Application to the Optimization of Transverse Flux Induction Heating Apparatus. Energies, 2019, 12, 487.	3.1	8
20	Reduction of Magnet Eddy Current Loss in PMSM by Using Partial Magnet Segment Method. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	28
21	Comparative Study of Axial Flux Vernier Machine with SMC Cores for Electric Vehicle Application. , 2019, , .		2
22	Comparative Study of Linear Superconductivity Machine With Different Stator and Winding Configurations. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	0
23	Design Issues for Claw Pole Machines with Soft Magnetic Composite Cores. Energies, 2018, 11, 1998.	3.1	12
24	Negative effects of interictal spikes on theta rhythm in human temporal lobe epilepsy. Epilepsy and Behavior, 2018, 87, 207-212.	1.7	18
25	Manufacturing processes of soft magnetic composite cores for permanent magnet machines. , 2017, , .		1
26	Techniques for Reduction of the Cogging Torque in Claw Pole Machines with SMC Cores. Energies, 2017, 10, 1541.	3.1	15
27	New Development of Traveling Wave Induction Heating. IEEE Transactions on Applied Superconductivity, 2010, 20, 1013-1016.	1.7	12
28	The Use of Neural Networks Combined With FEM to Optimize the Coil Geometry and Structure of Transverse Flux Induction Equipments. IEEE Transactions on Applied Superconductivity, 2004, 14, 1854-1857.	1.7	12
29	Eddy current and temperature field computation in transverse flux induction heating equipment for galvanizing line. IEEE Transactions on Magnetics, 2001, 37, 3437-3439.	2.1	25
30	Comparative study of rotor PM transverse flux machine and stator PM transverse flux machine with SMC cores. Electrical Engineering, 0, , 1.	2.0	3