Sufei Li

List of Publications by Year
in descending order

32 papers	**492** citations	1040056 **9** h-index	1372567 **10** g-index
32 all docs	**32** docs citations	**32** times ranked	**403** citing authors

#	Article	IF	Citations
1	Acoustic Modeling and Prediction of Ultrahigh-Speed Switched Reluctance Machines Based on Multiphysics Finite Element Analysis. IEEE Transactions on Industry Applications, 2021, 57, 198-207.	4.9	17
2	High-Strength Rotor Design for Ultra-High Speed Switched Reluctance Machines. IEEE Transactions on Industry Applications, 2020, 56, 1432-1442.	4.9	20
3	Practical Considerations in the Design and Manufacture of Ultra-High Speed Switched Reluctance Machines Over 1 Million rpm. , 2019, , .		6
4	Acoustic Modeling and Prediction of Ultra-High Speed Switched Reluctance Machines Based on Finite Element Analysis. , 2019, , .		9
5	Modeling, Design Optimization, and Applications of Switched Reluctance Machinesâ€"A Review. IEEE Transactions on Industry Applications, 2019, 55, 2660-2681.	4.9	138
6	Visualization of Multi-Objective Switched Reluctance Machine Optimization at Multiple Operating Conditions with t-SNE. , 2019, , .		3
7	Direct Position Control for Ultrahigh-Speed Switched-Reluctance Machines Based on Low-Cost Nonintrusive Reflective Sensors. IEEE Transactions on Industry Applications, 2019, 55, 480-489.	4.9	29
8	Neural Inverse Optimal Control Implementation for Induction Motors via Rapid Control Prototyping. IEEE Transactions on Power Electronics, 2019, 34, 5981-5992.	7.9	27
9	An Enhanced Analytical Calculation of the Phase Inductance of Switched Reluctance Machines. IEEE Transactions on Industry Applications, 2019, 55, 1392-1407.	4.9	13
10	Analytical Calculation of the Phase Inductance Profile of Switched Reluctance Machines. IEEE Transactions on Energy Conversion, 2019, 34, 1149-1163.	5.2	15
11	Calculating the Electromagnetic Field and Losses in the End Region of a Large Synchronous Generator Under Different Operating Conditions With 3-D Transient Finite-Element Analysis. IEEE Transactions on Industry Applications, 2018, 54, 3281-3293.	4.9	27
12	Efficient Calculation of the Strand Eddy Current Loss Distributions in the End Stepped-Stator Region of Large Synchronous Generators. , 2018, , .		8
13	Parametric Study for the Design of the End Region of Large Synchronous Generators Based on Three-Dimensional Transient Finite Element Analysis. , 2018, , .		7
14	Fast Calculation of the Magnetic Field and Loss Distributions in the Stator Core End Packets and Finger Plates of Large Synchronous Generators. , 2018, , .		6
15	Visualization and Data Mining of Multi-Objective Electric Machine Optimizations with Self-Organizing Maps: A Case Study on Switched Reluctance Machines. , 2018, , .		4
16	An Efficient Multi-Objective Bayesian Optimization Approach for the Automated Analytical Design of Switched Reluctance Machines. , 2018, , .		3
17	Analytical Calculation of the Air-gap Flux Density and Magnetizing Inductance of Synchronous Reluctance Machines. , 2018, , .		5
18	Neural Sliding Mode Control for Induction Motors Using Rapid Control Prototyping. IFAC-PapersOnLine, 2017, 50, 9625-9630.	0.9	6

#	Article	IF	Citations
19	A survey of electromagnetic â€" Thermal modeling and design optimization of switched reluctance machines. , 2017, , .		4
20	Analyzing the impact of press plate structure on the flux and loss distributions in the end region of large generators by transient 3-dimensional finite-element method with an improved core loss model. , 2017, , .		8
21	Implementation of surface impedance boundary conditions in the quasi three-dimensional finite-difference simulations of generator end regions. , 2017, , .		8
22	A review of condition monitoring of induction motors based on stray flux. , 2017, , .		57
23	A high-frequency rotating flux injection based rotor thermal monitoring scheme for direct-torque-controlled interior permanent magnet synchronous machines. , 2017, , .		4
24	An enhanced active DC-flux injection based approach for thermal monitoring of induction machines with direct torque control schemes. , 2017, , .		4
25	Calculating the unsaturated direct and quadrature axes magnetizing inductances of synchronous reluctance machines based on Maxwell's equations and magnetic equivalent circuit. , 2017, , .		2
26	A fast control-integrated and multiphysics-based multi-objective design optimization of switched reluctance machines. , 2017, , .		11
27	A multi-objective analytical design approach of switched reluctance machines with integrated active current profile optimization. , 2017, , .		8
28	Performance evaluation and comparison of multi-objective optimization algorithms for the analytical design of switched reluctance machines. CES Transactions on Electrical Machines and Systems, 2017, 1, 58-65.	3.5	18
29	Staircase modulation of modular multilevel converters with minimal total harmonic distortion and maximal number of output voltage levels. , 2016, , .		1
30	Fast and accurate analytical calculation of the unsaturated phase inductance profile of 6/4 switched reluctance machines. , 2016, , .		11
31	Multi-objective design and optimization of generalized switched reluctance machines with particle swarm intelligence. , 2016, , .		9
32	Calculating the electromagnetic field and losses in the end region of large synchronous generators under different operating conditions with three-dimensional transient finite element analysis. , 2016, , .		4