Ye Liu

List of Publications by Year
in descending order

33 papers	1,103 citations	687363 13 h-index	526287 27 g-index
33 all docs	33 docs citations	33 times ranked	1203 citing authors

#	Article	IF	Citations
1	Frequency-Insensitive Rotor Position Estimation Method for Three-Stage Synchronous Machine Based on Indirect High-Frequency Signal Injection. IEEE Transactions on Transportation Electrification, 2022, 8, 1785-1793.	7.8	11
2	Design and Optimization Analysis of Coreless Stator Axial-Flux Permanent Magnet In-Wheel Motor for Unmanned Ground Vehicle. IEEE Transactions on Transportation Electrification, 2022, 8, 1053-1062.	7.8	14
3	Comparative Study of High Torque Density Spoke-Type PM In-Wheel Motors for Special Vehicle Traction Applications. IEEE Transactions on Industry Applications, 2022, 58, 1952-1962.	4.9	12
4	Design and Analysis of Oil-Immersed Cooling Stator With Nonoverlapping Concentrated Winding for High-Power Ironless Stator Axial-Flux Permanent Magnet Machines. IEEE Transactions on Industrial Electronics, 2021, 68, 2876-2886.	7.9	28
5	Analysis of a Hybrid Excitation Brushless DC Generator With an Integrated Shared-Flux-Path Exciter. IEEE Transactions on Industrial Electronics, 2021, 68, 6672-6681.	7.9	4
6	Windings Indirect Liquid Cooling Method for a Compact Outer-Rotor PM Starter/Generator With Concentrated Windings. IEEE Transactions on Energy Conversion, 2021, 36, 3282-3293.	5.2	27
7	Analytical Modeling of High-Torque-Density Spoke-Type Permanent Magnet In-Wheel Motor Accounting for Rotor Slot and Eccentric Magnetic Pole. IEEE Transactions on Transportation Electrification, 2021, 7, 2683-2693.	7.8	17
8	Analysis and Experimental Verification of a Conventional Inverter With Output LC Filter to Drive Ironless Stator Axial-Flux PM Motor. IEEE Transactions on Transportation Electrification, 2021, 7, 2600-2610.	7.8	5
9	Optimization and Analysis of a High Power Density and Fault Tolerant Starterâ€“Generator for Aircraft Application. Energies, 2021, 14, 113.	3.1	10
10	Increase Commutation Reactance of Main Exciter to Improve the Dynamic Performance of Wound Rotor Synchronous Machine. , 2021, , .		0
11	A New Hybrid Excitation Machine with Dual-Stator Single-Rotor Axial-Flux Topology for Electric Vehicle Traction Application. , 2021, , .		4
12	Optimization and Performance Improvement of a Hybrid Excitation Synchronous Machine With Modular Magnetic-Shunting Rotor. IEEE Transactions on Industrial Electronics, 2020, 67, 4381-4390.	7.9	13
13	Dynamic Performance Improvement of Doubly Salient Brushless DC Generator System With Controlled Rectifier. IEEE Transactions on Industrial Electronics, 2020, 67, 8209-8218.	7.9	14
14	Mechanical Design and Analysis of a High-Torque Modular Hybrid Excitation Synchronous Machine for Electric Vehicle Propulsion Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 9624-9633.	6.3	5
15	Feasibility of Permanent Magnet Fault Tolerant Machines for Aircraft Starter/Generator Systems. , 2020, , .		9
16	Effect of Slot-Pole Combination on the Electromagnetic Performance of Ironless Stator AFPM Machine With Concentrated Windings. IEEE Transactions on Energy Conversion, 2020, 35, 1098-1109.	5.2	11
17	Optimized Design and Analysis of Fractional-Slot Concentrated-Winding Spoke-Type PM Machines for Electric Vehicles Traction Applications. , 2020, , .		3
18	A New Doubly Salient Brushless DC Generator with Harmonic Field Winding for High-Speed Operation. , 2020, , .		3

#	Article	IF	Citations
19	Rotor Position Estimation Error Analysis of Indirect High Frequency Signal Injection Method for Sensorless Starting Control of Aircraft Starter-Generator. , 2019, , .		2
20	Behavior and functional modeling methods of doubly salient electromagnetic generators for aircraft electrical power system applications. Chinese Journal of Aeronautics, 2019, 32, 477-488.	5.3	4
21	A Split-Field-Windings Doubly Salient Brushless DC Generator With Reduced Excitation Capacity for Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2018, 65, 7697-7708.	7.9	11
22	A HESM-Based Variable Frequency AC Starter-Generator System for Aircraft Applications. IEEE Transactions on Energy Conversion, 2018, 33, 1998-2006.	5.2	33
23	Design and Characterization of a Single-Phase Main Exciter for Aircraft Wound-Rotor Synchronous Starterâ€“Generator. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	26
24	Electromagnetic Performance Analysis of a New Hybrid Excitation Synchronous Machine for Electric Vehicle Applications. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	10
25	A Simplified Finite-Element Model of Hybrid Excitation Synchronous Machines With Radial/Axial Flux Paths via Magnetic Equivalent Circuit. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	18
26	Investigation and Analysis of a New Shaded-Pole Main Exciter for Aircraft Starterâ€“Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	13
27	Design and Optimization of Hybrid Excitation Synchronous Machines With Magnetic Shunting Rotor for Electric Vehicle Traction Applications. IEEE Transactions on Industry Applications, 2017, 53, 5252-5261.	4.9	29
28	Overview and design methodology of doubly salient brushless dc generators with statorâ€field winding. IET Electric Power Applications, 2017, 11, 197-211.	1.8	58
29	Investigation and implementation of a new hybrid excitation synchronous machine drive system. IET Electric Power Applications, 2017, 11, 487-494.	1.8	13
30	Electromagnetic Torque Performance Analysis of a Parallel Hybrid Excitation Machine With Axial Paralleling of Permanent Magnet Part and Variable Reluctance Part. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	493
31	A New Parallel Hybrid Excitation Machine: Permanent-Magnet/Variable-Reluctance Machine With Bidirectional Field-Regulating Capability. IEEE Transactions on Industrial Electronics, 2015, 62, 1372-1381.	7.9	69
32	Investigation of Hybrid Excitation Synchronous Machines With Axial Auxiliary Air-Gaps and Non-Uniform Air-Gaps. IEEE Transactions on Industry Applications, 2014, 50, 1729-1737.	4.9	40
33	Principle of Operation and Feature Investigation of a New Topology of Hybrid Excitation Synchronous Machine. IEEE Transactions on Magnetics, 2008, 44, 2174-2180.	2.1	94