

# Ye Liu

## List of Publications by Year in descending order

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33  
papers

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687363

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| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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       |
| 2  | 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        |
| 3  | 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        |
| 4  | Overview and design methodology of doubly salient brushless dc generators with stator field winding. IET Electric Power Applications, 2017, 11, 197-211.   | 1.8 | 58        |
| 5  | 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        |
| 6  | A HESM-Based Variable Frequency AC Starter-Generator System for Aircraft Applications. IEEE Transactions on Energy Conversion, 2018, 33, 1998-2006.  | 5.2 | 33        |
| 7  | 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        |
| 8  | 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        |
| 9  | 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        |
| 10 | Design and Characterization of a Single-Phase Main Exciter for Aircraft Wound-Rotor Synchronous Starter Generator. IEEE Transactions on Magnetics, 2018, 54, 1-5.  | 2.1 | 26        |
| 11 | 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        |
| 12 | 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        |
| 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 | 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        |
| 15 | Investigation and Analysis of a New Shaded-Pole Main Exciter for Aircraft Starter Generator. IEEE Transactions on Magnetics, 2017, 53, 1-4.  | 2.1 | 13        |
| 16 | Investigation and implementation of a new hybrid excitation synchronous machine drive system. IET Electric Power Applications, 2017, 11, 487-494.  | 1.8 | 13        |
| 17 | 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | 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        |
| 23 | Optimization and Analysis of a High Power Density and Fault Tolerant Starter-Generator for Aircraft Application. Energies, 2021, 14, 113.  | 3.1 | 10        |
| 24 | Feasibility of Permanent Magnet Fault Tolerant Machines for Aircraft Starter/Generator Systems. , 2020, , .  |     | 9         |
| 25 | 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         |
| 26 | 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         |
| 27 | 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         |
| 28 | 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         |
| 29 | A New Hybrid Excitation Machine with Dual-Stator Single-Rotor Axial-Flux Topology for Electric Vehicle Traction Application. , 2021, , .   |     | 4         |
| 30 | Optimized Design and Analysis of Fractional-Slot Concentrated-Winding Spoke-Type PM Machines for Electric Vehicles Traction Applications. , 2020, , .  |     | 3         |
| 31 | A New Doubly Salient Brushless DC Generator with Harmonic Field Winding for High-Speed Operation. , 2020, , .  |     | 3         |
| 32 | Rotor Position Estimation Error Analysis of Indirect High Frequency Signal Injection Method for Sensorless Starting Control of Aircraft Starter-Generator. , 2019, , .   |     | 2         |
| 33 | Increase Commutation Reactance of Main Exciter to Improve the Dynamic Performance of Wound Rotor Synchronous Machine. , 2021, , .  |     | 0         |