

Shaopeng Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Current Sensor Fault-Tolerant Control for Five-Phase PMSM Drives Based on Third-Harmonic Space. IEEE Transactions on Industrial Electronics, 2022, 69, 9827-9837.	7.9	5
2	Design and Research on High Power Density Motor of Integrated Motor Drive System for Electric Vehicles. Energies, 2022, 15, 3542.	3.1	15
3	Multiphase PMSM With Asymmetric Windings for More Electric Aircraft. IEEE Transactions on Transportation Electrification, 2020, 6, 1592-1602.	7.8	46
4	Permanent Magnet Compensated Pulsed Alternator for Driving Air-Based Loads. IEEE Transactions on Transportation Electrification, 2020, 6, 1497-1507.	7.8	7
5	Design and Analysis of an Integrated Modular Motor Drive for More Electric Aircraft. IEEE Transactions on Transportation Electrification, 2020, 6, 1412-1420.	7.8	28
6	Demagnetization research on PMs in the Halbach magnetized pulsed alternator. CES Transactions on Electrical Machines and Systems, 2019, 3, 170-177.	3.5	7
7	Thermal Analysis of Fifteen-Phase Permanent Magnet Synchronous Motor Under Different Fault Tolerant Operations. IEEE Access, 2019, 7, 81466-81480.	4.2	13
8	Research on the Compensation Matching Design and Output Performance for Two-Axis-Compensated Compulsators. IEEE Transactions on Plasma Science, 2019, 47, 2445-2451.	1.3	7
9	Mechanical Strength Analysis of Pulsed Alternator Air-Core Rotor. IEEE Transactions on Plasma Science, 2019, 47, 2387-2392.	1.3	11
10	Eddy Current Losses Analysis and Optimization Design of Litz-Wire Windings for Air-Core Compulsators. IEEE Transactions on Plasma Science, 2019, 47, 2532-2538.	1.3	13
11	Design and Optimization Analysis of Composite Water Cooling System Based On High Power Density Motor. , 2019, , .		5
12	Multi-Physical Field Optimization Analysis of High-Speed Permanent Magnet Synchronous Motor Based on NSGA-II Algorithm. , 2019, , .		5
13	Study on Synchronization of Air-Core Compensated Pulsed Alternator Pairs. IEEE Transactions on Plasma Science, 2019, 47, 2206-2211.	1.3	2
14	Design and Analysis of Dual-Electric-Excitation Hybrid Excitation Pulsed Alternator. IEEE Transactions on Plasma Science, 2019, 47, 2464-2471.	1.3	4
15	Study on the Impact of Machine Parameter Variations on Performance of Modular Pulsed Alternator Power System. IEEE Transactions on Plasma Science, 2018, 46, 3265-3272.	1.3	1
16	Electromagnetic Design and Losses Analysis of a High-Speed Permanent Magnet Synchronous Motor with Toroidal Windings for Pulsed Alternator. Energies, 2018, 11, 562.	3.1	7
17	Self-Excitation and Energy Recovery of Air-Core Compulsators. IEEE Transactions on Plasma Science, 2017, 45, 1168-1174.	1.3	7
18	Design and Analysis of a Modular Pulsed Alternator Power System for Driving 32-MJ Muzzle Energy Railgun. IEEE Transactions on Plasma Science, 2017, 45, 1128-1133.	1.3	5

#	ARTICLE	IF	CITATIONS
19	A Fractional Slot Multiphase Air-Core Compulsator With Concentrated Winding. IEEE Transactions on Plasma Science, 2017, 45, 1387-1393.	1.3	3
20	Shock-Resistance Rotor Design of A High-Speed PMSM for Integrated Pulsed Power System. IEEE Transactions on Plasma Science, 2017, 45, 1399-1405.	1.3	8
21	Research of a Modular Pulsed Alternator Power System. IEEE Transactions on Plasma Science, 2017, 45, 1406-1413.	1.3	4
22	Design and Analysis of Counter-Rotating Dual Rotors Permanent Magnet Compensated Pulsed Alternator. IEEE Transactions on Plasma Science, 2017, 45, 1101-1107.	1.3	13
23	Design and Analysis of a High-Speed Permanent Magnet Compensated Pulsed Alternator. IEEE Transactions on Plasma Science, 2017, 45, 1314-1320.	1.3	24
24	Overview of Pulsed Alternators. IEEE Transactions on Plasma Science, 2017, 45, 1078-1085.	1.3	39
25	Analytical Expression for Discharge Process of Multiphase Air-Core Pulsed Alternators. IEEE Transactions on Plasma Science, 2016, 44, 3330-3336.	1.3	8
26	Choice of Pole Spacer Materials for a High-Speed PMSM Based on the Temperature Rise and Thermal Stress. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	21
27	Interturn Fault Diagnosis Strategy for Interior Permanent-Magnet Synchronous Motor of Electric Vehicles Based on Digital Signal Processor. IEEE Transactions on Industrial Electronics, 2016, 63, 1694-1706.	7.9	76
28	Application of Linear Active Disturbance Rejection Controller for Sensorless Control of Internal Permanent-Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2016, 63, 3019-3027.	7.9	175
29	Design and Analysis of a Two-Phase Two-Axis-Compensated Compulsator. IEEE Transactions on Plasma Science, 2015, 43, 1434-1440.	1.3	7
30	Design of the Halbach Hybrid-Excitation Compulsator. IEEE Transactions on Plasma Science, 2015, 43, 1377-1380.	1.3	8
31	A Flexible Waveform Conditioning Strategy of an Air-Core Pulsed Alternator. IEEE Transactions on Plasma Science, 2015, 43, 1398-1404.	1.3	8
32	Risk Evaluation for Hybrid Excitation Compulsator. IEEE Transactions on Plasma Science, 2015, 43, 1410-1414.	1.3	2
33	Electromagnetic Shields of the Air-Core Compulsator. IEEE Transactions on Plasma Science, 2015, 43, 1497-1502.	1.3	9
34	Risk evaluation for hybrid excitation compulsator. , 2014, , .		0
35	Design of Halbach hybrid excitation compulsator. , 2014, , .		1
36	Optimization Design and Research of a Hybrid Excitation Compulsator. IEEE Transactions on Plasma Science, 2013, 41, 1280-1284.	1.3	6

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37	Optimal design of the rotor of air-core compulsator. , 2012, , .		3
38	Design, Simulation, and Testing of a Dual Stator-Winding All-Air-Core Compulsator. IEEE Transactions on Plasma Science, 2011, 39, 328-334.	1.3	13
39	Design, Simulation, and Fabrication of a Hybrid Excitation Compulsator. IEEE Transactions on Plasma Science, 2011, 39, 251-256.	1.3	13
40	Mechanical Analysis and Evaluation of Compulsator. IEEE Transactions on Plasma Science, 2011, 39, 322-327.	1.3	10
41	Design of a Model-Scale Air-Core Compulsator. IEEE Transactions on Plasma Science, 2011, 39, 346-353.	1.3	18
42	Research on the Thermal Field and Active Water Cooling System Design of an Air-Core Compulsator. IEEE Transactions on Plasma Science, 2011, 39, 257-262.	1.3	13
43	Design and Simulation of a Self-Excited All-Air-Core and Fabrication of a Separate-Excited All-Iron-Core Passive Compulsator. IEEE Transactions on Magnetics, 2009, 45, 261-265.	2.1	6