Chengde Tong

List of Publications by Year
in descending order

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63	932	471509 17	477307 29
papers	citations	h-index	g-index

63	63	63	678
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristic Analysis and Verification of the Magnetic-Field-Modulated Brushless Double-Rotor Machine. IEEE Transactions on Industrial Electronics, 2015, 62, 4023-4033.	7.9	105
2	Investigation of a Novel Five-Phase Modular Permanent-Magnet In-Wheel Motor. IEEE Transactions on Magnetics, 2011, 47, 4084-4087.	2.1	76
3	Investigation of a Novel Radial Magnetic-Field-Modulated Brushless Double-Rotor Machine Used for HEVs. IEEE Transactions on Magnetics, 2013, 49, 1231-1241.	2.1	68
4	Magnetic Characteristics Investigation of an Axial-Axial Flux Compound-Structure PMSM Used for HEVs. IEEE Transactions on Magnetics, 2010, 46, 2191-2194.	2.1	67
5	Performance Analysis of an Axial Magnetic-Field-Modulated Brushless Double-Rotor Machine for Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2019, 66, 806-817.	7.9	51
6	Electromagnetic Design and Control Strategy of an Axially Magnetized Permanent-Magnet Linear Alternator for Free-Piston Stirling Engines. IEEE Transactions on Industry Applications, 2012, 48, 2230-2239.	4.9	45
7	Influence of Third Harmonic Back EMF on Modeling and Remediation of Winding Short Circuit in a Multiphase PM Machine With FSCWs. IEEE Transactions on Industrial Electronics, 2016, 63, 6031-6041.	7.9	36
8	Research on a Transverse-Flux Brushless Double-Rotor Machine for Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2019, 66, 1032-1043.	7.9	31
9	Research on the Magnetic Characteristic of a Novel Transverse-Flux PM Linear Machine Used for Free-Piston Energy Converter. IEEE Transactions on Magnetics, 2011, 47, 1082-1085.	2.1	29
10	A Brushless Claw-Pole Double-Rotor Machine for Power-Split Hybrid Electric Vehicles. IEEE Transactions on Industrial Electronics, 2014, 61, 4295-4305.	7.9	29
11	Design and Analysis of a Magnetic-Field Modulated Brushless Double-Rotor Machineâ€"Part I: Pole Pair Combination of Stator, PM Rotor and Magnetic Blocks. IEEE Transactions on Industrial Electronics, 2019, 66, 2540-2549.	7.9	26
12	Research on an Axial Magnetic-Field-Modulated Brushless Double Rotor Machine. Energies, 2013, 6, 4799-4829.	3.1	23
13	Experimental Evaluation of a Radial-Radial-Flux Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. IEEE Transactions on Magnetics, 2009, 45, 645-649.	2.1	21
14	Investigation of the Cooling and Thermal-Measuring System of a Compound-Structure Permanent-Magnet Synchronous Machine. Energies, 2014, 7, 1393-1426.	3.1	19
15	Investigation of Magnetically Isolated Multiphase Modular Permanent-Magnet Synchronous Machinery Series for Wheel-Driving Electric Vehicles. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	19
16	Analysis of a Novel Hybrid-PM Variable-Flux Machine Using New Magnet Material CeFeB. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	19
17	Optimization of an 80 kW Radial-Radial Flux Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. IEEE Transactions on Magnetics, 2011, 47, 2399-2402.	2.1	18
18	Topology Comparison of Compound-Structure Permanent-Magnet Synchronous Machines. IEEE Transactions on Industry Applications, 2012, 48, 2217-2222.	4.9	18

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19	A novel single-phase flux-switching permanent magnet linear generator used for free-piston Stirling engine. Journal of Applied Physics, 2014, 115, .	2.5	15
20	Design and Analysis of a Magnetic-Field Modulated Brushless Double-Rotor Machineâ€”Part II: Winding Configuration. IEEE Transactions on Industrial Electronics, 2019, 66, 2550-2560.	7.9	15
21	Near-Five-Vector SVPWM Algorithm for Five-Phase Six-Leg Inverters under Unbalanced Load Conditions. Journal of Power Electronics, 2014, 14, 61-73.	1.5	14
22	Performance Analysis and Simulation of a Novel Brushless Double Rotor Machine for Power-Split HEV Applications. Energies, 2012, 5, 119-137.	3.1	13
23	Characteristic Analysis and Functional Validation of a Brushless Flux-Modulated Double-Rotor Machine for HEVs. IEEE Transactions on Industrial Electronics, 2019, 66, 663-673.	7.9	13
24	Research on electromagnetic performance of a novel radial magnetic-field-modulated brushless double-rotor machine. , 2011, , .		11
25	A Novel Sensorless Control Strategy for Brushless Direct Current Motor Based on the Estimation of Line Back Electro-Motive Force. Energies, 2017, 10, 1384.	3.1	11
26	Magnetic System Study of a Compound-Structure Permanent-Magnet Synchronous Machine for HEVs. IEEE Transactions on Industry Applications, 2012, 48, 1797-1807.	4.9	10
27	Investigation Into a Magnetic-Field-Modulated Brushless Double-Rotor Machine With the High-Strength and Low-Loss Modulating Ring Rotor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	10
28	Analysis and Optimization of a V-Shape Combined Pole Interior Permanent-Magnet Synchronous Machine With Temperature Rise and Demagnetization Considered. IEEE Access, 2021, 9, 64761-64775.	4.2	10
29	Field weakening capability investigation of an axial flux permanent-magnet synchronous machine with radially sliding permanent magnets used for electric vehicles. Journal of Applied Physics, 2012, 111, 07A719.	2.5	9
30	Modeling and Control of a Flux-Modulated Compound-Structure Permanent-Magnet Synchronous Machine for Hybrid Electric Vehicles. Energies, 2012, 5, 45-57.	3.1	9
31	Investigation of a 7-pole/6-slot Halbach-magnetized permanent-magnet linear alternator used for free-piston stirling engines. Journal of Applied Physics, 2012, 111, 07E711.	2.5	8
32	Research on electromagnetic performance of an axial magnetic-field-modulated brushless double-rotor machine for hybrid electric vehicles. , 2014, , .		8
33	Research on Control Strategy of Free-Piston Stirling Power Generating System. Energies, 2017, 10, 1609.	3.1	8
34	Experimental Study of Compound-Structure Permanent-Magnet Synchronous Machine Used for HEVs. IEEE Transactions on Magnetics, 2013, 49, 807-810.	2.1	7
35	Analytical Investigation of the Magnetic-Field Distribution in an Axial Magnetic-Field-Modulated Brushless Double-Rotor Machine. Energies, 2016, 9, 589.	3.1	7
36	Analytical Modeling of an Axial Flux Magnetic-Geared Double-Rotor Machine With Interior-Modulating Rotor. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	6

#	Article	IF	Citations
37	A Novel Method for Power Quality Comprehensive Evaluation Based on ANN and Subordinate Degree. , 2008, , .		5
38	Comparison and evaluation of different compound-structure permanent-magnet synchronous machine used for HEVs. , 2010, , .		5
39	Magnetic Decoupling Design and Experimental Validation of a Radial-Radial Flux Compound-Structure Permanent-Magnet Synchronous Machine for HEVs. Energies, 2012, 5, 4027-4039.	3.1	5
40	Analysis and Experiment of a Novel Brushless Double Rotor Machine for Power-Split Hybrid Electrical Vehicle Applications. Energies, 2013, 6, 3209-3223.	3.1	5
41	Comprehensive research on compound-structure permanent-magnet synchronous machine system used for HEVs. , 2010, , .		4
42	Investigation of a tubular dual-stator flux-switching permanent-magnet linear generator for free-piston energy converter. Journal of Applied Physics, 2015, 117, 17B519.	2.5	4
43	A Data Engine for Controller Area Network. , 2007, , .		3
44	An axial magnetic-field-modulated brushless double-rotor machine for hybrid electric vehicles. , 2014, , .		3
45	Optimization on Magnetization-Regulation Performance of a Variable-Flux Machine with Parallel Permanent Magnets. , 2020, , .		3
46	A Solving Method for Message Filtering Mechanism of CAN System Based on Distributed Genetic Algorithm. , 2006, , .		2
47	Function validations of a radial-radial flux compound-structure permanent-magnet synchronous machine for HEVs. , 2010, , .		2
48	Research on system control and energy management strategy of flux-modulated compound-structure permanent magnet synchronous machine. CES Transactions on Electrical Machines and Systems, 2017, 1, 100-108.	3.5	2
49	Research on Electromagnetic Performance of a Novel Hybrid-PM Variable-Flux Machine. , 2019, , .		2
50	Investigation of a unified controller of compound structure permanent-magnet synchronous machine for HEV applications. , 2010, , .		1
51	Design of a novel electromagnetic planetary gear used for hybrid electric vehicles. , 2014, , .		1
52	Research on a novel axial-flux magnetic-field-modulated brushless double-rotor machine with low axial force and high efficiency. AIP Advances, 2017, 7, .	1.3	1
53	The design method to realize magnetic decoupling for a radial-radial flux compound-structure permanent-magnet synchronous machine. , 2010, , .		0
54	Research on the electromagnetic structure and performance of a novel transverse-flux PM linear machine used for free-piston energy converter. , 2010, , .		0

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55	Design of a brushless compound-structure permanent-magnet synchronous machine for HEV propulsion system. , 2010, , .		0
56	Research on compound-structure permanent-magnet synchronous machine used for hybrid electric vehicles. , 2010, , .		0
57	Investigation of an axial-axial flux compound-structure permanent-magnet synchronous machine used for HEVs. , 2010, , .		0
58	Design and experiment of an axial-axial flux compound-structure PMSM Used for HEVs. , 2010, , .		0
59	Magnetic system study of a Halbach compound-structure PMSM used for hybrid electric vehicles. , 2014, , .		0
60	Scheme optimization of an axial magnetic-field-modulated brushless double-rotor machine. , 2014, , .		0
61	An Adaptive Rotor Flux Observer for Variable Flux Machine. , 2018, , .		0
62	Model Predictive Control with Improved Current Loop Cascaded for Manipulator Systems. , 2019, , .		0
63	Sinusoidal Commutation of a Micro Coreless BLDC Motor with Delta-Sigma ADC Current Sensing. , 2019, , .		0