

Rong-Jie Wang

List of Publications by Year in descending order

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35
papers

1,211
citations

759233

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g-index

35
all docs

35
docs citations

35
times ranked

777
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial Flux Permanent Magnet Brushless Machines. , 2008, , .		406
2	Optimal design of a coreless stator axial flux permanent-magnet generator. IEEE Transactions on Magnetics, 2005, 41, 55-64.	2.1	147
3	Analysis and Performance of Axial Flux Permanent-Magnet Machine With Air-Cored Nonoverlapping Concentrated Stator Windings. IEEE Transactions on Industry Applications, 2008, 44, 1495-1504.	4.9	115
4	Calculation of Eddy Current Loss in Axial Field Permanent-Magnet Machine With Coreless Stator. IEEE Transactions on Energy Conversion, 2004, 19, 532-538.	5.2	83
5	Multiobjective Design of a Line-Start PM Motor Using the Taguchi Method. IEEE Transactions on Industry Applications, 2018, 54, 4167-4176.	4.9	65
6	Design and Performance Comparison of Vernier and Conventional PM Synchronous Wind Generators. IEEE Transactions on Industry Applications, 2020, 56, 2570-2579.	4.9	53
7	Design and Evaluation of a Magnetically Geared PM Machine. IEEE Transactions on Magnetics, 2015, 51, 1-10.	2.1	52
8	Magnetically geared wind generator technologies: Opportunities and challenges. Applied Energy, 2014, 136, 817-826.	10.1	42
9	Development of a Thermofluid Model for Axial Field Permanent-Magnet Machines. IEEE Transactions on Energy Conversion, 2005, 20, 80-87.	5.2	37
10	Design and evaluation of a PM vernier machine. , 2015, , .		20
11	Taguchi Method in Electrical Machine Design. SAIEE Africa Research Journal, 2017, 108, 150-164.	1.2	20
12	Cogging Torque Definitions for Magnetic Gears and Magnetically Geared Electrical Machines. IEEE Transactions on Magnetics, 2018, 54, 1-9.	2.1	18
13	Design optimisation and cost analysis of linear vernier electric machine-based gravity energy storage systems. Journal of Energy Storage, 2021, 44, 103397.	8.1	17
14	Formulation, finite-element modeling and winding factors of non-overlap winding permanent magnet machines. , 2008, , .		13
15	ANALYTICAL SYNCHRONIZATION ANALYSIS OF LINE-START PERMANENT MAGNET SYNCHRONOUS MOTORS. Progress in Electromagnetics Research M, 2016, 48, 183-193.	0.9	13
16	Design and Optimization Techniques in Performance Improvement of Line-Start Permanent Magnet Synchronous Motors: A Review. IEEE Transactions on Magnetics, 2021, 57, 1-14.	2.1	13
17	Analytical Modeling of Surface-Mounted and Consequent-Pole Linear Vernier Hybrid Machines. IEEE Access, 2021, 9, 26251-26259.	4.2	10
18	Evaluation of a magnetic gear for air-cooled condenser applications. IET Electric Power Applications, 2018, 12, 677-683.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Electromagnetic Analysis of Flux Barrier U-Shaped Permanent Magnet Vernier Motor. , 2021, , .		9
20	Design and Performance Evaluation of Concentrated Coil Permanent Magnet Machines for In-Wheel Drives. , 2007, , .		8
21	Statistical analysis of cogging torque considering various manufacturing imperfections. , 2016, , .		8
22	Evaluation of Drive Cycle-Based Traction Motor Design Strategies Using Gradient Optimisation. Energies, 2022, 15, 1095.	3.1	8
23	Evaluation of Movement Facilitating Techniques for Finite Element Analysis of Magnetically Geared Electrical Machines. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	7
24	Newtonâ€“Raphson Solver for Finite Element Methods Featuring Nonlinear Hysteresis Models. IEEE Transactions on Magnetics, 2018, 54, 1-8.	2.1	7
25	An axial flux magnetically geared permanent magnet wind generator. IEEJ Transactions on Electrical and Electronic Engineering, 2015, 10, S123.	1.4	6
26	Potentials of Brushless Stator-Mounted Machines in Electric Vehicle Drivesâ€“A Literature Review. World Electric Vehicle Journal, 2022, 13, 93.	3.0	5
27	Prospect of PM Vernier Machine for Wind Power Application. Energies, 2022, 15, 4912.	3.1	5
28	Calculation of Torque Performance of a Novel Magnetic Planetary Gear. IEEE Magnetics Letters, 2016, 7, 1-5.	1.1	4
29	Comparison of Three Prototype Flux -Modulating Permanent Magnet Machines. , 2018, , .		4
30	Design Strategy and Comparison of Four PM Motor Topologies for a 2kW Traction Application. , 2019, , .		3
31	Traction Motor Optimization Using Mesh Reshaping for Gradient Evaluation. , 2020, , .		2
32	Force calculation of electric machines with a flat air-gap using hybrid finite element mesh. , 2010, , .		1
33	Design and Comparison of Three Surface-Mounted PM Motors for a Light Electric Vehicle. , 2021, , .		1
34	Design optimization of a line-start PMSM considering transient and steady-state performance objectives. , 2017, , .		0
35	Design of a Surface-Mounted PM Motor for Improved Flux Weakening Performance. , 2020, , .		0