

# Caixia Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

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citations

1684188

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1372567

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all docs

20  
docs citations

20  
times ranked

105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on Interturn Short-Circuit Fault Indicators for Direct-Drive Permanent Magnet Synchronous Motor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1902-1914.	5.4	10
2	Torque ripple reduction of brushless DC motor with convex arc-type permanent magnets based on robust optimization design. IET Electric Power Applications, 2022, 16, 565-574.	1.8	3
3	Levitation behaviours of an eccentric SC-PM system with multi-degree-of-freedom motion. International Journal of Applied Electromagnetics and Mechanics, 2022, , 1-9.	0.6	0
4	Analysis of a direct-drive permanent magnet synchronous generator with novel toroidal winding. IET Renewable Power Generation, 2021, 15, 2237-2245.	3.1	2
5	Feasibility analysis and optimization design of PMSM with 120° phase belts toroidal windings for electric vehicles. IET Electric Power Applications, 2021, 15, 1161-1173.	1.8	0
6	Fault coil location of interturn short-circuit for direct-drive permanent magnet synchronous motor using knowledge graph. IET Electric Power Applications, 2020, 14, 1712-1721.	1.8	17
7	Novel modelling method based on winding subelement of direct-drive permanent magnet synchronous motor. IET Electric Power Applications, 2020, 14, 1078-1088.	1.8	2
8	Equivalent Circuit Model of Novel Solid Rotor Induction Motor with Toroidal Winding Applying Composite Multilayer Theory. Applied Sciences (Switzerland), 2019, 9, 3288.	2.5	2
9	A Novel Analytical Method of Inductance Identification for Direct Drive PMSM with a Stator Winding Fault Considering Spatial Position of the Shorted Turns. Applied Sciences (Switzerland), 2019, 9, 3599.	2.5	2
10	Method for Determining Starting Point of Rolling Bearing Life Prediction Based on Linear Regression. Electronics (Switzerland), 2019, 8, 923.	3.1	9
11	Mode Recognition and Fault Positioning of Permanent Magnet Demagnetization for PMSM. Energies, 2019, 12, 1644.	3.1	11
12	Improved Fuzzy-Based Taguchi Method for Multi-Objective Optimization of Direct-Drive Permanent Magnet Synchronous Motors. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	32
13	Research on Fault Characteristics of Direct-drive Permanent Synchronous Motor with Stator Winding Inter-turn Short Circuit Fault. , 2019, , .		3
14	Research on power-angle characteristics of permanent magnet linear synchronous motor. IET Electric Power Applications, 2019, 13, 1177-1183.	1.8	1
15	Optimization Design and Performance Analysis of a Novel Direct-Drive PMSM with Toroidal Windings after Shifting the Magnetic Poles. , 2019, , .		0
16	Cogging Torque Minimization in Novel Direct-Drive PMSM with Toroidal Windings. , 2019, , .		1
17	Effect of Slot Opening Width on the Air-Gap Magnetic Field of a Direct Drive Permanent Magnet Motor. Applied Sciences (Switzerland), 2019, 9, 4649.	2.5	3
18	Rolling Bearings Fault Diagnosis Method Using EMD Decomposition and Probabilistic Neural Network. Proceedings of International Conference on Artificial Life and Robotics, 2018, 23, 691-694.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Fuzzy Self-tuning PID Control Algorithm for Belt Conveyor Driven by Multi-motor. Proceedings of International Conference on Artificial Life and Robotics, 2017, 22, 388-391.	0.1	0
20	Iterative Learning Based Thrust Ripple Suppression for PMLSM. Proceedings of International Conference on Artificial Life and Robotics, 2016, 21, 328-331.	0.1	0