Guoli Li

List of Publications by Year
in descending order

23 papers	242 citations	1040056 9 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	164 citing authors

#	ARTICLE	IF	CITATIONS
1	Improving attitude detection performance for spherical motors using a MEMS inertial measurement sensor. IET Electric Power Applications, 2019, 13, 198-205.	1.8	31
2	A distributed charging strategy based on day ahead price model for PV-powered electric vehicle charging station. Applied Soft Computing Journal, 2019, 76, 638-648.	7.2	29
3	Switched system identification based on the constrained multi-objective optimization problem with application to the servo turntable. International Journal of Control, Automation and Systems, 2016, 14, 1153-1159.	2.7	24
4	Torque Calculation of Permanent-Magnet Spherical Motor Based on Permanent-Magnet Surface Current and Lorentz Force. IEEE Transactions on Magnetics, 2020, 56, 1-9.	2.1	22
5	Optimization of Permanent-Magnet Spherical Motor Based on Taguchi Method. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	19
6	Modeling and Analysis of Permanent Magnet Spherical Motors by a Multitask Gaussian Process Method and Finite Element Method for Output Torque. IEEE Transactions on Industrial Electronics, 2021, 68, 8540-8549.	7.9	18
7	Robust Adaptive Sliding-Mode Control for Permanent Magnet Spherical Actuator with Uncertainty Using Dynamic Surface Approach. Journal of Electrical Engineering and Technology, 2019, 14, 2341-2353.	2.0	16
8	Incipient Fault Feature Extraction of Rolling Bearing Based on Optimized Singular Spectrum Decomposition. IEEE Sensors Journal, 2021, 21, 20362-20374.	4.7	11
9	Rotor Attitude Estimation for Spherical Motors Using Multiobject Kalman KCF Algorithm in Monocular Vision. IEEE Transactions on Industrial Electronics, 2023, 70, 265-275.	7.9	11
10	Investigation on the Measurement Method for Output Torque of a Spherical Motor. Applied Sciences (Switzerland), 2020, 10, 2510.	2.5	9
11	Friction torque field distribution of a permanent€magnet spherical motor based on multi€physical field coupling analysis. IET Electric Power Applications, 2021, 15, 1045-1055.	1.8	8
12	Geometrical Equivalence Principle Based Modeling and Analysis for Monolayer Halbach Array Spherical Motor With Cubic Permanent Magnets. IEEE Transactions on Energy Conversion, 2021, 36, 3241-3250.	5.2	8
13	Drive Current Calculation and Analysis of Permanent Magnet Spherical Motor Based on Torque Analytical Model and Particle Swarm Optimization. IEEE Access, 2020, 8, 54722-54729.	4.2	7
14	Real-Time Defect Detection of Die Cast Rotor in Induction Motor Based on Circular Flux Sensing Coils. IEEE Transactions on Industrial Informatics, 2022, 18, 9271-9282.	11.3	7
15	Structural parameters optimization of permanent magnet spherical motor based on BP neural network model. , 2017, , .		6
16	Research on torque optimization of the spherical motor based on SVM. , 2016, , .		3
17	Electromagnetic Modeling and Analysis of 3-DOF Permanent Magnet Spherical Motor Using Magnetic Equivalent Circuit Method. , 2018, , .		3
18	Torque Modelling and Validation for a Spherical Motor with Stepped Permanent Magnets. Journal of Electrical Engineering and Technology, 2020, 15, 2661-2673.	2.0	3

#	Article	IF	Citations
19	Adaptive fuzzy tracking control based on backstepping for permanent magnet spherical motor. , 2014, , .		2
20	Adaptive friction compensation robust control for permanent magnet spherical actuator under compound disturbance. Review of Scientific Instruments, 2021, 92, 075006.	1.3	2
21	Time Delay Estimation Control of Permanent Magnet Spherical Actuator Based on Gradient Compensation. Electronics (Switzerland), 2022, 11, 66.	3.1	2
22	Adaptive backstepping sliding mode control of permanent magnet spherical motor based on disturbance observer. Review of Scientific Instruments, 2022, 93, 065002.	1.3	1
23	Toroidal expansion based modeling and analysis of spherical motor with stepped cylindrical permanent magnets. International Journal of Applied Electromagnetics and Mechanics, 2022, , 1-19.	0.6	0