

Hang Zhao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8354687/hang-zhao-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

209
citations

8
h-index

12
g-index

40
ext. papers

313
ext. citations

4.8
avg, IF

4
L-index

#	Paper	IF	Citations
37	Similarity Comparison Based High-Speed Pilot Protection for Transmission Line. <i>IEEE Transactions on Power Delivery</i> , 2018 , 33, 938-948	4.3	25
36	Investigation on Magnetic Force of a Flux-Modulated Double-Rotor Permanent Magnet Synchronous Machine for Hybrid Electric Vehicle. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 1383-1394	7.6	19
35	A Consequent-Pole PM Magnetic-Geared Double-Rotor Machine With Flux-Weakening Ability for Hybrid Electric Vehicle Application. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-7	2	18
34	Field Prediction and Validation of a Slotless Segmented-Halbach Permanent Magnet Synchronous Machine for More Electric Aircraft. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1577-1597	7.6	17
33	Analytical Modeling and Comparison of Two Consequent-Pole Magnetic-Geared Machines for Hybrid Electric Vehicles. <i>Energies</i> , 2019 , 12, 1888	3.1	10
32	Model Predictive Torque Control for Dual Three-Phase PMSMs with Simplified Deadbeat Solution and Discrete Space-Vector Modulation. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	10
31	Design and Multi-Mode Operation of Double-Stator Toroidal-Winding PM Vernier Machine for Wind-Photovoltaic Hybrid Generation System. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-7	2	9
30	Model Predictive Two-Target Current Control for OW-PMSM. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 3224-3235	7.2	9
29	Quantitative Comparison of Distinct Dual-Stator Permanent Magnet Vernier Machines for Direct-Drive Applications. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-6	2	8
28	Design and Optimization Procedure of a Mechanical-Offset Complementary-Stator Flux-Reversal Permanent-Magnet Machine. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-7	2	7
27	Analytical Modeling of a Double-Rotor Multiwinding Machine for Hybrid Aircraft Propulsion. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1537-1550	7.6	7
26	Modular Design of an Efficient Permanent Magnet Vernier Machine. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-6	2	7
25	Forecast of electric vehicle charging demand based on traffic flow model and optimal path planning 2017 ,		6
24	Permeance and Inductance Modeling of a Double-Stator Hybrid-Excited Flux-Switching Permanent-Magnet Machine. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1134-1145	7.6	6
23	Design and Analysis of a Novel Axial-Radial Flux Permanent Magnet Machine with Halbach-Array Permanent Magnets. <i>Energies</i> , 2021 , 14, 3639	3.1	6
22	A Fast Optimization Scheme of Coaxial Magnetic Gears Based on Exact Analytical Model Considering Magnetic Saturation. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 437-447	4.3	5
21	Enhanced Summation Impedance Relay for EHV Transmission Lines. <i>IEEE Transactions on Power Delivery</i> , 2019 , 34, 807-818	4.3	4

20	A Dual-Modulator Magnetic-Geared Machine for Tidal-Power Generation. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-7	2	4
19	Analytical model for magnetic-geared double-rotor machines and its d-q-axis determination. <i>IET Electric Power Applications</i> , 2020 , 14, 175-183	1.8	4
18	Exact Modeling and Multiobjective Optimization of Vernier Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11740-11751	8.9	4
17	Design of an Effective Double-Rotor Machine With Robust Mechanical Structure. <i>IEEE Transactions on Magnetics</i> , 2020 , 56, 1-7	2	3
16	Current Harmonic Suppression for Permanent-Magnet Synchronous Motor Based on Chebyshev Filter and PI Controller. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-6	2	3
15	Exact Multiphysics Modeling and Experimental Validation of Spoke-Type Permanent Magnet Brushless Machines. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 11658-11671	7.2	3
14	Improved Flux Weakening Control Strategy for Five-phase PMSM Considering Harmonic Voltage Vectors. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	3
13	Exact Analytical Solution for Two Types of Magnetic Gear and Their Control 2019 ,		2
12	Improved Deadbeat-Direct Torque and Flux Control for PMSM with Less Computation and Enhanced Robustness. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	2
11	An Elastic Charging Service Fee-Based Load Guiding Strategy for Fast Charging Stations. <i>Energies</i> , 2017 , 10, 672	3.1	1
10	Special protection system to cope with the unavailability of sampling values from an entire substation. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 102, 265-271	5.1	1
9	A novel robust magnetizing inrush fast identification criterion based on partial hausdorff distance 2017 ,		1
8	Overview of Axial-Flux Machines and Modeling Methods. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	1
7	A Novel Quasi-3D Analytical Model for Axial Flux Motors Considering Magnetic Saturation. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	1
6	Design and Control of A New Compound Double-Rotor Electric Machine for Hybrid Propulsion System. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	1
5	Design of an Effective Double-Rotor Machine with Robust Mechanical Structure 2018 ,		1
4	Comparative Study of Double-Stator Interior-PM Vernier Machines Based on Electromagnetic-Structural Coupling Analysis. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10510-10520	8.9	1
3	Design and Optimization of a Magnetic-Geared Direct-Drive Machine with V-shaped Permanent Magnets for Ship Propulsion. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 1-1	7.6	0

2	Nonlinear Force and Vibration Analysis of an Interior Permanent Magnet Synchronous Generator With Eccentricity Detection. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021 , 1-11	5.5	o
1	Analysis and Design Considerations of a Dual-Rotor Multiple-Winding Machine. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	o