

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6142258/jibin-zou-publications-by-citations.pdf>
Version: 2024-04-09

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.

88 papers	975 citations	18 h-index	27 g-index
116 ext. papers	1,362 ext. citations	3.6 avg, IF	4.93 L-index

#	Paper	IF	Citations
88	Zero Voltage Vector Sampling Method for PMSM Three-Phase Current Reconstruction Using Single Current Sensor. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3797-3807	7.2	58
87	An Improved PMSM Rotor Position Sensor Based on Linear Hall Sensors. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3591-3594	2	58
86	. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 10206-10220	7.2	56
85	Current Control of Grid-Connected Inverter With LCL Filter Based on Extended-State Observer Estimations Using Single Sensor and Achieving Improved Robust Observation Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5428-5439	8.9	54
84	Analysis of Global and Local Force Harmonics and Their Effects on Vibration in Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 1523-1532	5.4	49
83	Optimum design of magnet shape in permanent-magnet synchronous motors. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 3523-3526	2	42
82	Development and Analysis of Tubular Transverse Flux Machine With Permanent-Magnet Excitation. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 2198-2207	8.9	40
81	A Novel Open-Circuit Fault Diagnosis Method for Voltage Source Inverters With a Single Current Sensor. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8775-8786	7.2	34
80	Current Harmonic Suppression in Dual Three-Phase Permanent Magnet Synchronous Machine With Extended State Observer. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12166-12180	7.2	29
79	Hybrid RPWM Technique Based on Modified SVPWM to Reduce the PWM Acoustic Noise. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 5667-5674	7.2	28
78	Analysis of Triangular Periodic Carrier Frequency Modulation on Reducing Electromagnetic Noise of Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4424-4427	2	24
77	PWM Frequency Voltage Noise Cancellation in Three-Phase VSI Using the Novel SVPWM Strategy. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 8596-8606	7.2	22
76	Influence of the Permanent Magnet Magnetization Length on the Performance of a Tubular Transverse Flux Permanent Magnet Linear Machine Used for Electromagnetic Launch. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 241-246	1.3	21
75	Effect of Local Tangential Force on Vibration Performance in Fractional-Slot Concentrated Winding Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Energy Conversion</i> , 2019 , 34, 1082-1093	5.4	21
74	New Three-Phase Current Reconstruction for PMSM Drive With Hybrid Space Vector Pulsewidth Modulation Technique. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 662-673	7.2	20
73	PWM Frequency Noise Cancellation in Two-Segment Three-Phase Motor Using Parallel Interleaved Inverters. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 2515-2525	7.2	18
72	Numerical Analysis and Design Optimization of a Homopolar Inductor Machine Used for Flywheel Energy Storage. <i>IEEE Transactions on Plasma Science</i> , 2013 , 41, 1290-1294	1.3	18

71	Design of Deep Sea Oil-Filled Brushless DC Motors Considering the High Pressure Effect. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4220-4223	2	18
70	A New End Windings Transposition to Reduce Windings Eddy Loss for 2 MW Direct Drive Multi-Unit PMSM. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3323-3326	2	18
69	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 607-618	7.2	17
68	Sliding mode observer for sensorless control of surface permanent magnet synchronous motor equipped with LC filter. <i>IET Power Electronics</i> , 2019 , 12, 686-692	2.2	16
67	Reduction of high-frequency vibration noise for dual-branch three-phase permanent magnet synchronous motors. <i>Chinese Journal of Electrical Engineering</i> , 2020 , 6, 42-51	4	16
66	Analysis and Computer-Aided Simulation of Cogging Force Characteristic of a Linear Electromagnetic Launcher With Tubular Transverse Flux Machine. <i>IEEE Transactions on Plasma Science</i> , 2011 , 39, 157-161	1.3	15
65	ILC-Based Voltage Compensation Method for PMSM Sensorless Control Considering Inverter Nonlinearity and Sampling Current DC Bias. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5980-5989	8.9	15
64	A Novel Inverter Topology for Brushless DC Motor Drive to Shorten Commutation Time. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 796-807	8.9	14
63	Enhancement of a Thrust Force of a Tubular Electromagnetic Launcher With Transverse Flux Configuration by Leakage Flux Suppression. <i>IEEE Transactions on Plasma Science</i> , 2013 , 41, 1150-1155	1.3	12
62	A Phase Current Reconstruction Approach for Three-Phase Permanent-Magnet Synchronous Motor Drive. <i>Energies</i> , 2016 , 9, 853	3.1	12
61	Optimal Design of Tubular Transverse Flux Motors With Low Cogging Forces for Direct Drive Applications. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	11
60	Performance Evaluation of Magnetic Lead Screws Equipped With Skewed Arc Magnets Instead of Helical Ones. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	11
59	Design and pressure control of high-pressure differential magnetic fluid seals. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 2651-2653	2	11
58	Analysis and Restraining of Eddy Current Damping Effects in Rotary Voice Coil Actuators. <i>IEEE Transactions on Energy Conversion</i> , 2017 , 32, 309-317	5.4	9
57	Analysis and Reduction of Magnet Loss by Deepening Magnets in Interior Permanent-Magnet Machines With a Pole/Slot Ratio of 2/3. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	8
56	Design Considerations of Tubular Transverse Flux Linear Machines for Electromagnetic Launch Applications. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 1248-1253	1.3	8
55	Online Multiparameter Identification Method for Sensorless Control of SPMSM. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10601-10613	7.2	8
54	Integral Sliding Mode Control Based Deadbeat Predictive Current Control for PMSM Drives with Disturbance Rejection. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	8

53	Investigation of Unbalanced Magnetic Force in Permanent Magnet Synchronous Machines With Asymmetric Design. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	7
52	Comparative investigation of permanent magnet linear oscillatory actuators used in orbital friction vibration machine. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 45, 581-588	0.4	7
51	Flexible virtual fixture enhanced by vision and haptics for unstructured environment teleoperation 2013 ,		7
50	Hybrid periodic carrier frequency modulation technique based on modified SVPWM to reduce the PWM noise. <i>IET Power Electronics</i> , 2019 , 12, 515-520	2.2	6
49	A Fault-Tolerant Control Strategy for Six-Phase Transverse Flux Tubular PMLM Based on Synthetic Vector Method. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 1332-1338	1.3	6
48	Synchronous random switching frequency modulation technique based on the carrier phase shift to reduce the PWM noise. <i>IET Power Electronics</i> , 2020 , 13, 892-897	2.2	6
47	Core Loss Analysis of Transverse Flux Tubular Motor in Different Motion Modes. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-4	1.8	6
46	Influence of Orifice Distribution on the Characteristics of Elastic Ring-Squeeze Film Dampers for Flywheel Energy-Storage System. <i>IEEE Transactions on Plasma Science</i> , 2013 , 41, 1272-1279	1.3	6
45	Analytical Modeling of 3-D Magnetic Field and Performance in Magnetic Lead Screws Accounting for Magnetization Pattern. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4785-4796	8.9	6
44	Analytic investigation on commutation angle of brushless DC motors with 120° voltage source inverter. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 45, 219-225	0.4	5
43	An optimized I-F startup method for BEMF-based sensorless control of SPMSM 2017 ,		5
42	An Indirect Testing Method for the Torque Ripple of Multiunit Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2734-2743	8.9	5
41	Torque Performance Improvement for Slotted Limited-Angle Torque Motors by Combined SMA Application and GA Optimization. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	5
40	Modified Single-Edge SVPWM Technique to Reduce the Switching Losses and Increase PWM Harmonics Frequency for Three-Phase VSIs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10643-10653	7.2	4
39	An Indirect Testing Method for the Mechanical Characteristic of Multiunit Permanent-Magnet Synchronous Machines With Concentrated Windings. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 7402-7411	8.9	4
38	A Modified C-Dump Converter for BLDC Machine Used in a Flywheel Energy Storage System. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4175-4178	2	4
37	Sliding mode control with open-switch fault diagnosis and sensorless estimation based on PI observer for PMSM drive connected with an LC filter. <i>IET Power Electronics</i> , 2020 , 13, 2334-2341	2.2	4
36	Development and Analysis of a Novel Transverse Flux Permanent Magnet Linear Motor With the Concentrated Flux Mover. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-6	1.8	4

35	Design Criteria, Modeling, and Verification of Tubular Transverse Flux Machines for Force-to-Current Ratio Improvement in Direct Drive Applications. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	3
34	Comparative Study of Stator Configurations of a Permanent Magnet Linear Oscillating Actuator for Orbital Friction Vibration Actuator. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 630	2.6	3
33	Analysis and Compensation of Sampling-Delay Error in Single Current Sensor Method for PMSM Drives. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	3
32	Minimization of Cogging Force in Fractional-Slot Permanent Magnet Linear Motors with Double-Layer Concentrated Windings. <i>Energies</i> , 2016 , 9, 918	3.1	3
31	Carrier frequency harmonic suppression in dual three-phase permanent magnet synchronous motor system. <i>IET Electric Power Applications</i> , 2019 , 13, 1763-1772	1.8	3
30	Active Disturbances Rejection Controller for Position Servo Control of PMSM 2019 ,		3
29	Development of Equivalent 2-D Finite-Element Models for Accurate Prediction of Thrust Force in Permanent Magnet Lead Screws. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	2
28	Development of a Radial-Flux Slotted Limited-Angle Torque Motor With Asymmetrical Teeth for Torque Performance Improvement. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	2
27	Inductances and Phase Coupling Analysis of Tubular Permanent Magnet Machines With Transverse Flux Configuration. <i>IEEE Transactions on Plasma Science</i> , 2015 , 43, 1232-1235	1.3	2
26	Development of a Limited-Angle Torque Motor With a Moving Coil. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-5	2	2
25	Analysis and Discussion of the Indirect Testing Method for the Losses of Permanent Magnet Synchronous Machines. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	2
24	Over-current protection method for PMSM VSI with small DC-link capacitor. <i>IET Power Electronics</i> , 2018 , 11, 1231-1238	2.2	2
23	Hybrid PWM noise cancellation technique to reduce switching losses for two-segment three-phase motor. <i>IET Power Electronics</i> , 2019 , 12, 2128-2134	2.2	2
22	Estimation of the iron loss in deep-sea permanent magnet motors considering seawater compressive stress. <i>Scientific World Journal, The</i> , 2014 , 2014, 265816	2.2	2
21	Inductances and phase coupling analysis of tubular permanent magnet machines with transverse flux configuration 2014 ,		2
20	Analysis on the electromagnetic force for elliptical and circular movement of orbital friction vibration head 2012 ,		2
19	Rotor eddy-current loss of permanent magnet machine in brushless AC and DC modes, used for deep-sea HUV's propeller 2009 ,		2
18	Sliding-Mode-Observer-Based Open-Switch Diagnostic Method for Permanent Magnet Synchronous Motor Drive Connected with LC Filter. <i>Energies</i> , 2019 , 12, 3288	3.1	1

17	Electromagnetic Characteristic of a Novel Linear Flux Switching Machine With Three-Dimensional Magnetic Circuit. <i>IEEE Transactions on Applied Superconductivity</i> , 2019 , 29, 1-5	1.8	1
16	Analysis of Air-Gap Magnetic Field in Homopolar Inductor Alternator by Analytical Method and FEM. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
15	Reduction of the acoustic noise in PMSM drives by the periodic frequency modulation 2011 ,		1
14	Influence of orifice distribution on the characteristics of Elastic Ring Squeeze Film Dampers for Flywheel Energy Storage System 2012 ,		1
13	Vibration Enhancement or Weakening Effect Caused by Permanent Magnet Synchronous Motor Radial and Tangential Force Formed by Tooth Harmonics. <i>Energies</i> , 2022 , 15, 744	3.1	1
12	Reduction method of high-frequency audible PWM noise for three-phase permanent magnet synchronous motors. <i>Energy Reports</i> , 2020 , 6, 1123-1129	4.6	1
11	Modeling and Analysis of Limited-Angle Torque Motor Considering Nonlinear Effects. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 1457-1465	7.6	1
10	Electromagnetic-Thermal Timesaving Coupling Analysis of a Water Cooling IPM Machine for Accurate Prediction Performance 2019 ,		1
9	Time-Delay Compensation Method in PMSM Servo System based on Predictive Current Control with Sensitivity Analysis 2019 ,		1
8	Nonlinear EMC Modeling and Analysis of Permanent-Magnet Slotted Limited-Angle Torque Motor. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 8507-8518	8.9	1
7	Design and Reduction of Thrust Ripple in Transverse Flux Permanent Magnet Linear Machine 2018 ,		1
6	Analysis of a Novel Flux Switching Transverse Flux Permanent Magnet Linear Motor 2018 ,		1
5	An Efficient Thermal Computation Model of PMSM Based on FEA Results and Interpolation. <i>IEEE Transactions on Applied Superconductivity</i> , 2021 , 31, 1-4	1.8	1
4	Accurate Calculation of Iron Loss of High-Temperature and High-Speed Permanent Magnet Synchronous Generator under the Conditions of SVPWM Modulation. <i>Energies</i> , 2022 , 15, 2315	3.1	0
3	Multi-Sector Three-Phase PMSM Drive System with Low High-Frequency PWM Noise. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 1-1	5.6	
2	High-frequency pulse width modulation noise reduction for permanent magnet synchronous motors using hybrid asymmetrical regular sampled modified space-vector pulse width modulation. <i>IET Power Electronics</i> , 2021 , 14, 717-725	2.2	
1	Zeroth-Mode Vibration Suppression through Adjustment on Phases Difference of Concentrated Force Harmonics for PMSMs. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	