

Do-Kwan Hong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8541534/do-kwan-hong-publications-by-citations.pdf>

Version: 2024-04-28

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.

56

papers

751

citations

13

h-index

26

g-index

59

ext. papers

923

ext. citations

1.8

avg, IF

4

L-index

#	Paper	IF	Citations
56	Fractional Slot Concentrated Winding PMSM With Consequent Pole Rotor for a Low-Speed Direct Drive: Reduction of Rare Earth Permanent Magnet. <i>IEEE Transactions on Energy Conversion</i> , 2015 , 30, 103-109	5.4	100
55	A Novel Design of Modular Three-Phase Permanent Magnet Vernier Machine With Consequent Pole Rotor. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4215-4218	2	95
54	Ultra High Speed Motor Supported by Air Foil Bearings for Air Blower Cooling Fuel Cells. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 871-874	2	72
53	Fractional Slot Concentrated Winding Permanent Magnet Synchronous Machine With Consequent Pole Rotor for Low Speed Direct Drive. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 2965-2968	2	71
52	Optimum Design of Transverse Flux Linear Motor for Weight Reduction and Improvement Thrust Force Using Response Surface Methodology. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4317-4320	2	43
51	Rotordynamics of 120 \$thinspace\$000 r/min 15 kW Ultra High Speed Motor. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 2831-2834	2	38
50	Force Ripple and Magnetic Unbalance Reduction Design for Doubly Salient Permanent Magnet Linear Synchronous Motor. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4207-4210	2	36
49	Design and experimental validation of doubly salient permanent magnet linear synchronous motor for precision position control. <i>Mechatronics</i> , 2013 , 23, 172-181	3	25
48	Design, Analysis, and Experimental Validation of a Permanent Magnet Synchronous Motor for Articulated Robot Applications. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	23
47	Investigations on a Super High Speed Motor-Generator for Microturbine Applications Using Amorphous Core. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4072-4075	2	20
46	Optimum Design of TFLM With Constraints for Weight Reduction Using Characteristic Function. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 1613-1616	2	19
45	Performance Comparison of Longitudinal Flux and Transverse Flux Permanent Magnet Machines for Turret Applications With Large Diameter. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 915-918	2	16
44	Development of an ultra high speed permanent magnet synchronous motor. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 493-499	1.7	16
43	An Analytical Approach for a High Speed and High Efficiency Induction Motor Considering Magnetic and Mechanical Problems. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2319-2322	2	11
42	Development of a High Speed Induction Motor for Spindle Systems. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4088-4091	2	11
41	Development of flux reversal linear synchronous motor for precision position control. <i>International Journal of Precision Engineering and Manufacturing</i> , 2011 , 12, 443-450	1.7	11
40	A Single-Phase Brushless DC Motor With Improved High Efficiency for Water Cooling Pump Systems. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 4250-4253	2	10

39	Development of doubly salient permanent magnet linear synchronous motor for general-purpose automation applications. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 2075-2080 ⁹	1.7	8
38	Analysis of high speed induction motor for spindle made by copper die casting process. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012 , 13, 2251-2257	1.7	8
37	Design Considerations and Validation of Permanent Magnet Vernier Machine with Consequent Pole Rotor for Low Speed Servo Applications. <i>Journal of Electrical Engineering and Technology</i> , 2013 , 8, 1146-1151	1.4	8
36	Investigating a Direct-Drive PM Type Synchronous Machine for Turret Application Using Optimization. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4491-4494	2	7
35	Design and Characteristics Analysis of Coaxial Magnetic Gear for Contra-Rotating Propeller in Yacht. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 7250-7259	8.9	7
34	Effects of the pole-slot combination on the PMSM of an integrated motor propulsor for an unmanned underwater vehicle considering its electric performance, noise and vibration. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2016 , 52, 1689-1695	0.4	7
33	Design of a High-Performance 16-Slot 8-Pole Electromagnetic Shock Absorber Using a Novel Permanent Magnet Structure. <i>Energies</i> , 2018 , 11, 3352	3.1	7
32	Unbalance response analysis and experimental validation of an ultra high speed motor-generator for microturbine generators considering balancing. <i>Sensors</i> , 2014 , 14, 16117-27	3.8	6
31	Electromagnet weight reduction in a magnetic levitation system for contactless delivery applications. <i>Sensors</i> , 2010 , 10, 6718-29	3.8	6
30	Electric-mechanical performance analysis of high speed motor for electric turbo charger. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2018 , 57, 125-133	0.4	6
29	Design and Experimental Validation of a High-Speed Electric Turbocharger Motor Considering Variation of the $\frac{L}{D}$ Ratio. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4 ²	1.7	5
28	Multiphysics analysis of a high speed PMSM for electric turbo charger. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019 , 59, 835-843	0.4	4
27	Development of thrust force 6 kN class transverse flux linear motor with synchronous control for direct drive applications. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015 , 16, 191-196	1.7	4
26	Performance verification of a high speed motor-generator for a microturbine generator. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 1237-1244	1.7	4
25	Rotordynamic analysis and experimental validation of a high speed induction motor made by copper die casting process. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 3035-3041	1.6	4
24	The investigation on a thrust force 8,000 N class transverse flux linear motor. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 45, 279-286	0.4	4
23	Dynamic simulation and experimental verification of flux reversal linear synchronous motor. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012 , 13, 175-181	1.7	4
22	Comparison of slot and slotless type stator cores of a super high speed motor-generator for microturbine generators. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 45, 249-256	0.4	3

21	Optimum design of electromagnet in magnetic levitation system for contactless delivery application using response surface methodology 2008 ,		3
20	Application of fractional factorial design for improving performance of 60W transverse flux linear motor. <i>Journal of Applied Physics</i> , 2008 , 103, 07F120	2.5	3
19	Rotor Design, Analysis and Experimental Validation of a High-Speed Permanent Magnet Synchronous Motor for Electric Turbocharger. <i>IEEE Access</i> , 2022 , 10, 21955-21969	3.5	3
18	Development and experimental performance validation of torsional viscosity damper for crank shaft system of transporting machine. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015 , 16, 1591-1597	1.7	2
17	Development of a Large Diameter Motor for Turret Application. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2327-2330	2	2
16	Development of a super high speed motor-generator and controller. <i>Journal of Applied Physics</i> , 2014 , 115, 17E705	2.5	2
15	Optimum design of an outer rotor and spoke type direct-drive machine for turret applications with large diameter. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2012 , 39, 981-988	0.4	2
14	Unbalanced Magnetic Force Calculation for Assembly Jig Design. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 4224-4227	2	2
13	Water-Cooled Direct Drive Permanent Magnet Motor Design in Consideration of its Efficiency and Structural Strength. <i>Journal of Magnetics</i> , 2013 , 18, 125-129	1.9	2
12	Electrical and Mechanical Characteristics of a High-Speed Motor for Electric Turbochargers in Relation to Eccentricity. <i>Energies</i> , 2021 , 14, 3340	3.1	2
11	Multiphysics analysis of a permanent magnet synchronous motor for articulated robot applications. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019 , 59, 881-889	0.4	1
10	The optimum design of a moving PM-type linear motor for resonance operating refrigerant compressor. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 673-680	0.4	1
9	OPTIMUM DESIGN FOR IMPROVEMENT OF PM-TYPE LONGITUDINAL FLUX LINEAR MOTOR USING THE STATISTICAL METHODS. <i>International Journal of Modern Physics B</i> , 2010 , 24, 2821-2826	1.1	1
8	VARIATION OF ELECTRIC PROPERTIES BETWEEN SURFACE PERMANENT MAGNET AND INTERIOR PERMANENT MAGNET MOTOR. <i>International Journal of Modern Physics Conference Series</i> , 2012 , 06, 109-114	0.7	1
7	Variation of Phase Difference Between the Peak Value of Applied Current and the Maximum Displacement of Mover in Linear Actuator. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2576-2578	2	1
6	THRUST FORCE OF TFLM AS A DIRECTION OF FRICTIONAL RESISTANCE. <i>International Journal of Modern Physics B</i> , 2006 , 20, 4469-4474	1.1	1
5	Permanent Magnet Motor Design for Turrets with Large Diameters. <i>Journal of Magnetics</i> , 2013 , 18, 460-465	1.5	1
4	MagneticMechanical Performance Analysis and Experimental Validation of Noncontact Coaxial Magnetic Gear for a Contra-Rotating Propeller in an Electric Outboard. <i>IEEE Transactions on Magnetics</i> , 2021 , 57, 1-5	2	1

- 3 COMPARISON OF TRANSVERSE FLUX LINEAR MOTOR AND LONGITUDINAL FLUX LINEAR MOTOR FOR COOLER OF INFORMATION AND TELECOMMUNICATION. *International Journal of Modern Physics B*, **2010**, 24, 2815-2820 1.1
- 2 Performance analysis of magnetic gear with Halbach array for high power and high speed. *International Journal of Applied Electromagnetics and Mechanics*, **2020**, 64, 959-967 0.4
- 1 Vibration Analysis of Shaft with Impeller for Resin Chock Mixing Machine. *Transactions of the Korean Society of Mechanical Engineers, A*, **2008**, 32, 970-977 1