

Shi-Uk Chung

List of Publications by Year in descending order

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31
papers

954
citations

687363

13
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a 20-Pole/24-Slot SPMSM With Consequent Pole Rotor for In-Wheel Direct Drive. IEEE Transactions on Industrial Electronics, 2016, 63, 302-309.	7.9	141
2	Fractional Slot Concentrated Winding PMSM With Consequent Pole Rotor for a Low-Speed Direct Drive: Reduction of Rare Earth Permanent Magnet. IEEE Transactions on Energy Conversion, 2015, 30, 103-109.	5.2	138
3	A Novel Design of Modular Three-Phase Permanent Magnet Vernier Machine With Consequent Pole Rotor. IEEE Transactions on Magnetics, 2011, 47, 4215-4218.	2.1	113
4	Fractional Slot Concentrated Winding Permanent Magnet Synchronous Machine With Consequent Pole Rotor for Low Speed Direct Drive. IEEE Transactions on Magnetics, 2012, 48, 2965-2968.	2.1	100
5	A Novel Design of Linear Synchronous Motor Using FRM Topology. IEEE Transactions on Magnetics, 2008, 44, 1514-1517.	2.1	74
6	A Feasibility Study on a New Doubly Salient Permanent Magnet Linear Synchronous Machine. IEEE Transactions on Magnetics, 2010, 46, 1572-1575.	2.1	59
7	Double-Sided Iron-Core PMLSM Mover Teeth Arrangement Design for Reduction of Detent Force and Speed Ripple. IEEE Transactions on Industrial Electronics, 2016, 63, 3000-3008.	7.9	55
8	Force Ripple and Magnetic Unbalance Reduction Design for Doubly Salient Permanent Magnet Linear Synchronous Motor. IEEE Transactions on Magnetics, 2011, 47, 4207-4210.	2.1	53
9	Reduction of the Torque Ripple and Magnetic Force of a Rotatory Two-Phase Transverse Flux Machine Using Herringbone Teeth. IEEE Transactions on Magnetics, 2008, 44, 4066-4069.	2.1	35
10	Design and experimental validation of doubly salient permanent magnet linear synchronous motor for precision position control. Mechatronics, 2013, 23, 172-181.	3.3	32
11	Development of brushless and sensorless vibration motor used for mobile phone. IEEE Transactions on Magnetics, 2002, 38, 3000-3002.	2.1	23
12	Analysis of a dynamic speaker in mobile phones by considering mechanical, electrical, and magnetic coupling effects. Journal of Applied Physics, 2002, 91, 6979.	2.5	21
13	Development of solenoid-type vibrators used for mobile phones. IEEE Transactions on Magnetics, 2003, 39, 3262-3264.	2.1	15
14	Development of flux reversal linear synchronous motor for precision position control. International Journal of Precision Engineering and Manufacturing, 2011, 12, 443-450.	2.2	14
15	Magnetic Sensor Design for a Permanent Magnet Linear Motor Considering Edge-Effect. IEEE Transactions on Industrial Electronics, 2020, 67, 5768-5777.	7.9	13
16	Design Considerations and Validation of Permanent Magnet Vernier Machine with Consequent Pole Rotor for Low Speed Servo Applications. Journal of Electrical Engineering and Technology, 2013, 8, 1146-1151.	2.0	13
17	General Characteristic of Fractional Slot Double Layer Concentrated Winding Synchronous Machine. Journal of Electrical Engineering and Technology, 2013, 8, 282-287.	2.0	12
18	Development of doubly salient permanent magnet linear synchronous motor for general-purpose automation applications. International Journal of Precision Engineering and Manufacturing, 2013, 14, 2075-2080.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Dynamic Characteristic Analysis Considering Core Losses in Transverse Flux Linear Machine With Solid Cores. IEEE Transactions on Magnetics, 2009, 45, 1776-1779.	2.1	8
20	Dynamic simulation and experimental verification of flux reversal linear synchronous motor. International Journal of Precision Engineering and Manufacturing, 2012, 13, 175-181.	2.2	6
21	A design of a two-phase permanent magnet vibration motor used for mobile phones. Journal of Applied Physics, 2002, 91, 6985.	2.5	4
22	Acoustic resonance of outer-rotor brushless dc motor for air-conditioner fan. Journal of Applied Physics, 2008, 103, 07F116.	2.5	4
23	Correction to "Development of a 20-Pole/24-Slot SPMSM With Consequent Pole Rotor for In-Wheel Direct Drive" [Jan 16 302-309]. IEEE Transactions on Industrial Electronics, 2016, 63, 7144-7144.	7.9	4
24	Teeth Arrangement and Pole/Slot Combination Design for PMLSM Detent Force Reduction. Energies, 2021, 14, 8141.	3.1	3
25	Optimum design of an outer rotor and spoke type direct-drive machine for turret applications with large diameter. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 981-988.	0.6	2
26	Permanent Magnet Motor Design for Turrets with Large Diameters. Journal of Magnetics, 2013, 18, 460-465.	0.4	1
27	Development of a vibration motor with open delta windings used for mobile telecommunication devices. , 0, , .		0
28	Development of brushless and sensorless vibration motor used for mobile phone. , 0, , .		0
29	New development of hexahedral type vibration motor used for mobile phones. Journal of Mechanical Science and Technology, 2002, 16, 1089-1094.	0.4	0
30	Dynamic simulation and experimental validation of flux reversal linear synchronous motor. , 2010, , .		0
31	Analysis and Experimental Characterization of Low Speed Direct Drive Fractional Slot Concentrated Winding Surface Permanent Magnet Synchronous Motor with Consequent Pole Rotor. Journal of Electrical Engineering and Technology, 2015, 10, 2057-2061.	2.0	0