

Shi-Uk Chung

List of Publications by Year in descending order

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papers

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687363

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all docs

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31
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Teeth Arrangement and Pole-“Slot Combination Design for PMLSM Detent Force Reduction. <i>Energies</i> , 2021, 14, 8141.	3.1	3
2	Magnetic Sensor Design for a Permanent Magnet Linear Motor Considering Edge-Effect. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5768-5777.	7.9	13
3	Double-Sided Iron-Core PMLSM Mover Teeth Arrangement Design for Reduction of Detent Force and Speed Ripple. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 3000-3008.	7.9	55
4	Correction to “Development of a 20-Pole-“24-Slot SPMSM With Consequent Pole Rotor for In-Wheel Direct Drive” [Jan 16 302-309]. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 7144-7144.	7.9	4
5	Development of a 20-Pole-“24-Slot SPMSM With Consequent Pole Rotor for In-Wheel Direct Drive. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 302-309.	7.9	141
6	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.	5.2	138
7	Analysis and Experimental Characterization of Low Speed Direct Drive Fractional Slot Concentrated Winding Surface Permanent Magnet Synchronous Motor with Consequent Pole Rotor. <i>Journal of Electrical Engineering and Technology</i> , 2015, 10, 2057-2061.	2.0	0
8	Design and experimental validation of doubly salient permanent magnet linear synchronous motor for precision position control. <i>Mechatronics</i> , 2013, 23, 172-181.	3.3	32
9	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.	2.2	11
10	Permanent Magnet Motor Design for Turrets with Large Diameters. <i>Journal of Magnetism</i> , 2013, 18, 460-465.	0.4	1
11	General Characteristic of Fractional Slot Double Layer Concentrated Winding Synchronous Machine. <i>Journal of Electrical Engineering and Technology</i> , 2013, 8, 282-287.	2.0	12
12	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.	2.0	13
13	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.	2.1	100
14	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.	0.6	2
15	Dynamic simulation and experimental verification of flux reversal linear synchronous motor. <i>International Journal of Precision Engineering and Manufacturing</i> , 2012, 13, 175-181.	2.2	6
16	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.	2.1	53
17	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.	2.1	113
18	Development of flux reversal linear synchronous motor for precision position control. <i>International Journal of Precision Engineering and Manufacturing</i> , 2011, 12, 443-450.	2.2	14

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19	A Feasibility Study on a New Doubly Salient Permanent Magnet Linear Synchronous Machine. IEEE Transactions on Magnetics, 2010, 46, 1572-1575.	2.1	59
20	Dynamic simulation and experimental validation of flux reversal linear synchronous motor. , 2010, , .		0
21	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
22	A Novel Design of Linear Synchronous Motor Using FRM Topology. IEEE Transactions on Magnetics, 2008, 44, 1514-1517.	2.1	74
23	Acoustic resonance of outer-rotor brushless dc motor for air-conditioner fan. Journal of Applied Physics, 2008, 103, 07F116.	2.5	4
24	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
25	Development of solenoid-type vibrators used for mobile phones. IEEE Transactions on Magnetics, 2003, 39, 3262-3264.	2.1	15
26	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
27	A design of a two-phase permanent magnet vibration motor used for mobile phones. Journal of Applied Physics, 2002, 91, 6985.	2.5	4
28	Development of brushless and sensorless vibration motor used for mobile phone. IEEE Transactions on Magnetics, 2002, 38, 3000-3002.	2.1	23
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	Development of a vibration motor with open delta windings used for mobile telecommunication devices. , 0, , .		0
31	Development of brushless and sensorless vibration motor used for mobile phone. , 0, , .		0