

# Jung-Ho Lee

## List of Publications by Year in descending order

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docs citations

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times ranked

393  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on High-Efficiency Performance in Interior Permanent-Magnet Synchronous Motor With Double-Layer PM Design. IEEE Transactions on Magnetics, 2008, 44, 4393-4396.	2.1	97
2	Optimum Design Criteria for Maximum Torque and Efficiency of a Line-Start Permanent-Magnet Motor Using Response Surface Methodology and Finite Element Method. IEEE Transactions on Magnetics, 2012, 48, 863-866.	2.1	54
3	Permanent Magnet Demagnetization Characteristic Analysis of a Variable Flux Memory Motor Using Coupled Preisach Modeling and FEM. IEEE Transactions on Magnetics, 2008, 44, 1550-1553.	2.1	45
4	Optimum Design Criteria for Maximum Torque Density and Minimum Torque Ripple of SynRM According to the Rated Wattage Using Response Surface Methodology. IEEE Transactions on Magnetics, 2008, 44, 4135-4138.	2.1	32
5	Optimum Design Criteria for Maximum Torque Density and Minimum Torque Ripple of SynRM According to the Rated Wattage Using Response Surface Methodology. IEEE Transactions on Magnetics, 2009, 45, 1578-1581.	2.1	23
6	Efficiency evaluations of synchronous reluctance motor using coupled FEM and preisach modeling. IEEE Transactions on Magnetics, 2003, 39, 3271-3273.	2.1	22
7	Optimum Shape Design of Single-Sided Linear Induction Motors Using Response Surface Methodology and Finite-Element Method. IEEE Transactions on Magnetics, 2011, 47, 3657-3660.	2.1	19
8	Optimum Design of Synchronous Reluctance Motors Based on Torque/Volume Using Finite-Element Method and Sequential Unconstrained Minimization Technique. IEEE Transactions on Magnetics, 2008, 44, 4143-4146.	2.1	18
9	Optimum Shape Design Solution of Flux Switching Motor Using Response Surface Methodology and New Type Winding. IEEE Transactions on Magnetics, 2012, 48, 1637-1640.	2.1	14
10	Optimum Design of ALA-SynRM for Direct Drive Electric Valve Actuator. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	13
11	Characteristics Analysis and Optimum Design of Anisotropy Rotor Synchronous Reluctance Motor Using Coupled Finite Element Method and Response Surface Methodology. IEEE Transactions on Magnetics, 2009, 45, 4696-4699.	2.1	12
12	Optimum design criteria for a synchronous reluctance motor with concentrated winding using response surface methodology. Journal of Applied Physics, 2006, 99, 08R325.	2.5	11
13	Permanent Magnet Demagnetization Characteristics Analysis of a Variable Flux Memory Motor Using Coupled Preisach Modeling and FEM. , 2007, , .		8
14	Determination of Parameters of Motor Simulation Module Employed in ADVISOR. IEEE Transactions on Magnetics, 2008, 44, 1578-1581.	2.1	8
15	Rotor optimum design on Torque Ripple Reduction for a Synchronous Reluctance Motor with Concentrated Winding using RSM. , 2007, , .		6
16	The Evaluation of Online Observer System of Synchronous Reluctance Motor Using a Coupled Transient FEM and Preisach Model. IEEE Transactions on Magnetics, 2008, 44, 4139-4142.	2.1	6
17	Optimum shape design of single-sided linear induction motors using response surface methodology and finite element method. , 2011, , .		6
18	Analytical torque calculation and experimental verification of synchronous permanent magnet couplings with Halbach arrays. AIP Advances, 2018, 8, .	1.3	5

#	ARTICLE	IF	CITATIONS
19	Study on optimal design of 210kW traction IPMSM considering thermal demagnetization characteristics. AIP Advances, 2018, 8, 047504.	1.3	5
20	Design of spoke type motor and magnetizer for improving efficiency based rare-earth-free permanent-magnet motor. AIP Advances, 2018, 8, 056645.	1.3	4
21	The torque ripple reduction of a concentrated winding synchronous reluctance motor according to stator and rotor structure variations using response surface methodology. Journal of Applied Physics, 2008, 103, 07F133.	2.5	3
22	A study of flux control for high-efficiency speed control of variable flux permanent magnet motor. AIP Advances, 2018, 8, .	1.3	3
23	Rotor Design on Torque Ripple Reduction for a Synchronous Reluctance Motor with Concentrated Winding using Response Surface Methodology. , 0, , .		2
24	Optimum LIM Interval Selection of Vector Controlled Moving Secondary Plate Conveyor System Using FEM & SUMT. , 2007, , .		2
25	Loss & efficiency evaluations of SynRM according to windings type by coupled Preisach models & FEM and experiment. , 2012, , .		2
26	Rotor design functional standard of Synchronous Reluctance Motor according to torque/volume using FEM & SUMT. , 0, , .		1
27	The Sensorless Vector Control Characteristics Analysis of Synchronous Reluctance Motor Using a Coupled FEM & Preisach Model. , 2007, , .		1
28	Dynamic characteristics considering vehicle load and jerk condition of Linear Induction Motor by using equivalent circuit with electro-magnetic field theory. , 2010, , .		1
29	Characteristic analysis & optimum design of Permanent Magnet Assisted Synchronous Reluctance Motor for premium efficiency performance. , 2010, , .		1
30	Efficiency evaluation of PMASynRM vs. SynRM using coupling FEM & preisach modeling. , 2010, , .		1
31	Optimum design for CW-SynRM with loss and efficiency evaluations, using coupled Preisach model and FEM and experimentation. International Journal of Applied Electromagnetics and Mechanics, 2013, 43, 25-36.	0.6	1
32	Anisotropy Rotor Design of Synchronous Reluctance Motor Using a Coupled FEM & Preisach Model. , 0, , .		0
33	Characteristics Analysis of Anisotropy Rotor SynRM Using a Coupled FEM & Preisach Model. , 2007, , .		0
34	Optimum design criteria for maximum torque density & minimum torque ripple of flux switching motor using response surface methodology. , 2010, , .		0
35	Optimum design criteria of miniature type linear servo motor of precise pick & place module for cogging force reduction using response surface methodology & finite element method. , 2010, , .		0
36	The Sensorless Vector Control Characteristics Analysis of Synchronous Reluctance Motor Using a Coupled FEM & Preisach Model. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Rotor design functional standard of Synchronous Reluctance Motor according to torque/volume using FEM & SUMT. , 2007, , .		0