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List of Publications by Year
in descending order

29 papers	1,057 citations	516710 16 h-index	580821 25 g-index
29 all docs	29 docs citations	29 times ranked	591 citing authors

#	Article	IF	Citations
1	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. IEEE Transactions on Magnetics, 2013, 49, 1777-1780.	2.1	15
2	Error Estimation for the Computation of Force Using the Virtual Work Method on Finite Element Models. IEEE Transactions on Magnetics, 2009, 45, 1388-1391.	2.1	7
3	Analysis and Solution on Squeak Noise of Small Permanent-Magnet DC Brush Motors in Variable Speed Applications. IEEE Transactions on Magnetics, 2009, 45, 4752-4755.	2.1	26
4	Enhanced Nonlinear Algorithm for the Transient Analysis of Magnetic Field and Electric Circuit Coupled Problems. IEEE Transactions on Magnetics, 2009, 45, 701-706.	2.1	30
5	A Flexible Approach for Brush-Commutation Machine Simulation. IEEE Transactions on Magnetics, 2008, 44, 1542-1545.	2.1	11
6	A general cosimulation approach for coupled field-circuit problems. IEEE Transactions on Magnetics, 2006, 42, 1051-1054.	2.1	76
7	A Dynamic Core Loss Model for Soft Ferromagnetic and Power Ferrite Materials in Transient Finite Element Analysis. IEEE Transactions on Magnetics, 2004, 40, 1318-1321.	2.1	323
8	Numerical Modeling of Magnetic Devices. IEEE Transactions on Magnetics, 2004, 40, 1803-1809.	2.1	86
9	Magnetic Force Computation in Permanent Magnets Using a Local Energy Coordinate Derivative Method. IEEE Transactions on Magnetics, 2004, 40, 683-686.	2.1	33
10	Modeling of Solid Conductors in Two-Dimensional Transient Finite-Element Analysis and Its Application to Electric Machines. IEEE Transactions on Magnetics, 2004, 40, 426-434.	2.1	100
11	A multislice coupled finite-element method with uneven slice length division for the simulation study of electric machines. IEEE Transactions on Magnetics, 2003, 39, 1566-1569.	2.1	14
12	Estimation of eddy-current loss in permanent magnets of electric motors using network-field coupled multislice time-stepping finite-element method. IEEE Transactions on Magnetics, 2002, 38, 1225-1228.	2.1	18
13	An effective method to reduce the computing time of nonlinear time-stepping finite-element magnetic field computation. IEEE Transactions on Magnetics, 2002, 38, 441-444.	2.1	18
14	A dynamic model of the disk drive spindle motor and its applications. IEEE Transactions on Magnetics, 2002, 38, 973-976.	2.1	15
15	Analysis of indirect temperature-rise tests of induction machines using time stepping finite element method. IEEE Transactions on Energy Conversion, 2001, 16, 55-60.	5.2	25
16	Performance analysis of brushless DC motors including features of the control loop in the finite element modeling. IEEE Transactions on Magnetics, 2001, 37, 3370-3374.	2.1	22
17	A novel approach to circuit-field-torque coupled time stepping finite element modeling of electric machines. IEEE Transactions on Magnetics, 2000, 36, 1886-1889.	2.1	32
18	Inclusion of interbar currents in a network-field coupled time-stepping finite-element model of skewed-rotor induction motors. IEEE Transactions on Magnetics, 1999, 35, 4218-4225.	2.1	40

#	Article	IF	Citations
19	Direct modeling of the starting process of skewed rotor induction motors using a multi-slice technique. IEEE Transactions on Energy Conversion, 1999, 14, 1253-1258.	5.2	13
20	Thermal study of induction motors by phantom loading using multi-slice time stepping finite element modeling. IEEE Transactions on Magnetics, 1999, 35, 1606-1609.	2.1	2
21	Generation and rotation of 3-D finite element mesh for skewed rotor induction motors using extrusion technique. IEEE Transactions on Magnetics, 1999, 35, 1266-1269.	2.1	9
22	Estimation of stray losses of skewed rotor induction motors using coupled 2-D and 3-D time stepping finite element methods. IEEE Transactions on Magnetics, 1998, 34, 3102-3105.	2.1	43
23	Application of automatic choice of step size for time stepping finite element method to induction motors. IEEE Transactions on Magnetics, 1997, 33, 1370-1373.	2.1	22
24	An incremental method for studying the steady state performance of induction motors using time stepping finite element model. IEEE Transactions on Magnetics, 1997, 33, 1374-1377.	2.1	8
25	A comprehensive approach to the solution of direct-coupled multislice model of skewed rotor induction motors using time-stepping eddy-current finite element method. IEEE Transactions on Magnetics, 1997, 33, 2265-2273.	2.1	57
26	Solution of a 3-D complex finite element model of skewed rotor induction motors using an iterative method. , 0, , .		3
27	Direct modeling of starting process of skewed induction motors using a multi-slice technique. , 0, , .		1
28	Analysis of indirect temperature-rise tests of induction machines using time stepping finite element method. , 0, , .		1
29	Numerical modeling of electrical machines and its application. , 0, , .		7

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