

Yanpu Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

226
citations

1163117

8
h-index

1058476

14
g-index

43
all docs

43
docs citations

43
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	An Electromagnetic Field and Electric Circuit Coupled Method for Solid Conductors in 3-D Finite-Element Method. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	21
2	A Novel Gauged Potential Formulation for 3-D Electromagnetic Field Analysis Including Both Inductive and Capacitive Effects. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	19
3	A Parameterized Mesh Generation and Refinement Method for Finite Element Parameter Sweeping Analysis of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 239-242.	2.1	17
4	Analysis of Wireless Power Transfer System Based on 3-D Finite-Element Method Including Displacement Current. IEEE Transactions on Magnetics, 2012, 48, 3692-3695.	2.1	16
5	Application of Edge Elements to 3-D Electromagnetic Field Analysis Accounting for Both Inductive and Capacitive Effects. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	16
6	A Novel Adaptive Mesh Finite Element Method for Nonlinear Magnetic Field Analysis. IEEE Transactions on Magnetics, 2013, 49, 1777-1780.	2.1	15
7	Accelerating the Optimal Shape Design of Linear Machines by Transient Simulation Using Mesh Deformation and Mesh Connection Techniques. IEEE Transactions on Industrial Electronics, 2018, 65, 9825-9833.	7.9	12
8	A Parameterized Mesh Technique for Finite Element Magnetic Field Computation and Its Application to Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2011, 47, 2943-2946.	2.1	11
9	Adaptive Discontinuous Galerkin Method for Transient Analysis of Eddy Current Fields in High-Speed Rotating Solid Rotors. IEEE Transactions on Magnetics, 2014, 50, 589-592.	2.1	10
10	An Adaptive Mesh Method in Transient Finite Element Analysis of Magnetic Field Using a Novel Error Estimator. IEEE Transactions on Magnetics, 2012, 48, 4160-4163.	2.1	8
11	An Efficient Parameterized Mesh Method for Large Shape Variation in Optimal Designs of Electromagnetic Devices. IEEE Transactions on Magnetics, 2012, 48, 4507-4510.	2.1	8
12	A New Stable Full-Wave Maxwell Solver for All Frequencies. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
13	An adaptive degrees-of-freedom finite-element method for transient magnetic field analysis. IEEE Transactions on Magnetics, 2013, 49, 5724-5729.	2.1	7
14	A Novel Coulomb-Gauged Magnetic Vector Potential Formulation for 3-D Eddy-Current Field Analysis Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	7
15	An Operator Splitting Finite Element Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. IEEE Transactions on Magnetics, 2013, 49, 3171-3174.	2.1	6
16	A Novel Fast Remesh-Free Mesh Deformation Method and Its Application to Optimal Design of Electromagnetic Devices. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	6
17	A Novel Mesh Morphing Technique for Large Shape Deformation and Its Application to Optimal Design Problems. IEEE Transactions on Magnetics, 2013, 49, 2165-2168.	2.1	5
18	A Novel Formulation With Coulomb Gauge for 3-D Magnetostatic Problems Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Auto-Gauging of Vector Potential by Parallel Sparse Direct Solvers—Numerical Observations. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	5
20	A Characteristic Galerkin Method for Eddy-Current Field Analysis in High-Speed Rotating Solid Conductors. IEEE Transactions on Magnetics, 2012, 48, 4634-4637.	2.1	4
21	A Local Discontinuous Galerkin Method for Eddy Current Field Analysis in High-Speed Moving Conductors. IEEE Transactions on Magnetics, 2012, 48, 251-254.	2.1	4
22	Robust full-wave Maxwell solver in time-domain using magnetic vector potential with edge elements. IET Science, Measurement and Technology, 2017, 11, 746-752.	1.6	3
23	Accurate Extraction of Winding Inductances Using Dual Formulations Without Source Field Computation. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	3
24	A Symmetric Field-Circuit Coupled Formulation for 3-D Transient Full-Wave Maxwell Problems. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	3
25	A Local Discontinuous Galerkin Method for Numerical Computation of Waveguide Eigenvalue Problems in Polar Coordinates. IEEE Transactions on Magnetics, 2012, 48, 255-258.	2.1	2
26	A new stable full-wave maxwell solver for all frequencies. , 2016, , .		1
27	Direct synthesis algorithms for time-domain inverse design of electromagnetic structures with nonlinear circuits. , 2016, , .		1
28	Improved Equilibrated Error Estimates for Open Boundary Magnetostatic Problems Based on Dual A and H Formulations. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	1
29	Residual-Type A Posteriori Error Estimates for 3-D Low-Frequency Stable Maxwell Formulations in Both Frequency and Time Domains. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	1
30	Research on Bearing Fault Identification of Wind Turbine Based on Deep Belief Network. , 2020, , .		1
31	An adaptive dual-order finite-element method by adjusting degrees-of-freedom in transient field analysis. , 2016, , .		0
32	A fast remesh-free mesh deformation method based on radial basis function interpolation and its application to optimal design of electromagnetic devices. , 2016, , .		0
33	A novel formulation with Coulomb gauge for 3-D magnetostatic problems using edge elements. , 2016, , .		0
34	A novel gauged vector potential formulation for 3-D motional eddy-current problems using edge elements. , 2016, , .		0
35	A novel coulomb gauged magnetic vector potential formulation for 3-D eddy-current field analysis using edge elements. , 2016, , .		0
36	A novel iterative linear solver for 3-D magnetostatic problems using edge elements. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	A Novel Gauged Vector Potential Formulation for 3-D Motional Eddy-Current Problems Using Edge Elements. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	0
38	Accurate Numerical Method for Computing Induced Voltage of GIL. , 2020, , .		0
39	Improved Magnetic Force Computation Method Using Parameterized Multi-layer Mesh Techniques. , 2020, , .		0
40	Fast Inductance Extraction for Sweeping Coil Positions Based on Nonconforming Finite Element Method and Dual Formulations. , 2020, , .		0
41	Solving 3D Low-frequency Electromagnetic Field Problems Based on FreeFem++. , 2020, , .		0
42	Efficient Transient Magnetic Field Computation Using Adaptive Dual-order Finite-element Method. , 2020, , .		0
43	Analysis of Induced Current and Voltage of GIL Enclosure Based on Equivalent Circuit Model and Finite Element Computation. , 2022, , .		0