Vlatko T Cingoski

List of Publications by Year
in descending order

44	411	840119 11	887659 17
papers	citations	h-index	g-index

45	45	45	282
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive coupling of differential evolution and multiquadrics approximation for the tuning of the optimization process. IEEE Transactions on Magnetics, 2000, 36, 1047-1051.	1.2	40
2	Making hotels more energy efficient: the managerial perception. Economic Research-Ekonomska Istrazivanja, 2018, 31, 87-101.	2.6	33
3	Algebraic multigrid for complex symmetric systems. IEEE Transactions on Magnetics, 2000, 36, 1535-1538.	1.2	26
4	A Computer Aided Education System Based on Augmented Reality by Immersion to 3-D Magnetic Field. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	25
5	3-D automatic mesh generation for FEA using dynamic bubble system. IEEE Transactions on Magnetics, 1999, 35, 1318-1321.	1.2	24
6	Direct solution method for finite element analysis using Hopfield neural network. IEEE Transactions on Magnetics, 1995, 31, 1964-1967.	1.2	18
7	Analysis of magneto-thermal coupled problem involving moving eddy-current conductors. IEEE Transactions on Magnetics, 1996, 32, 1042-1045.	1.2	17
8	Computer simulation of a three-phase brushless self-excited synchronous generator. IEEE Transactions on Magnetics, 1999, 35, 1251-1254.	1.2	16
9	Design improvements on graded insulation of power transformers using transient electric field analysis and visualization technique. IEEE Transactions on Energy Conversion, 1999, 14, 1379-1384.	3.7	15
10	Inverse shape optimization using dynamically adjustable genetic algorithms [electric machine design]. IEEE Transactions on Energy Conversion, 1999, 14, 661-666.	3.7	13
11	Hybrid element-free Galerkin-finite element method for electromagnetic field computations. IEEE Transactions on Magnetics, 2000, 36, 1543-1547.	1.2	13
12	Genetic algorithms with assistant chromosomes for inverse shape optimization of electromagnetic devices. IEEE Transactions on Magnetics, 2000, 36, 1052-1056.	1.2	11
13	Automatic hexahedral mesh generation for FEM using shape recognition technique and tree method [EM field analysis]. IEEE Transactions on Magnetics, 2002, 38, 417-420.	1.2	11
14	Automatic mesh generation in finite element analysis using dynamic bubble system. Journal of Applied Physics, 1997, 81, 4085-4087.	1.1	10
15	Shape optimization of magnetic devices using genetic algorithms with dynamically adjustable parameters. IEEE Transactions on Magnetics, 1999, 35, 1686-1689.	1.2	10
16	Interactive visualization system for education and design in electromagnetics. IEEE Transactions on Magnetics, 2000, 36, 995-999.	1.2	10
17	Simulation of Screening Current Reduction Effect in REBCO Coils by External AC Magnetic Field. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.1	9
18	Analysis of induction skull melting furnace by edge finite element method excited from voltage source. IEEE Transactions on Magnetics, 1994, 30, 3459-3462.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Improved interactive visualization of magnetic flux lines in 3-D space using edge finite elements. IEEE Transactions on Magnetics, 1996, 32, 1477-1480.	1.2	8
20	Fast multigrid solution method for nested edge-based finite element meshes. IEEE Transactions on Magnetics, 2000, 36, 1539-1542.	1.2	8
21	Automatic quadrilateral mesh generation for FEM using dynamic bubble system. IEEE Transactions on Magnetics, 2001, 37, 3522-3525.	1.2	8
22	Extraction and visualization of semitransparent isosurfaces for 3-D finite element analysis. IEEE Transactions on Magnetics, 1999, 35, 1365-1368.	1.2	7
23	Models for capacitive effects in iron core transformers. IEEE Transactions on Magnetics, 2000, 36, 990-994.	1.2	7
24	Asymptotic waveform evaluation for S-domain solution of electromagnetic devices. IEEE Transactions on Magnetics, 1998, 34, 3232-3235.	1.2	6
25	A fast volume rendering method for time-varying 3-D scalar field visualization using orthonormal wavelets. IEEE Transactions on Magnetics, 1998, 34, 3431-3434.	1.2	6
26	Investigation of the efficiency of the multigrid method for finite element electromagnetic field computations using nested meshes. IEEE Transactions on Magnetics, 1999, 35, 3751-3753.	1.2	6
27	Analytical calculation of magnetic flux lines in 3-D space. IEEE Transactions on Magnetics, 1994, 30, 2912-2915.	1.2	6
28	Modeling of permanent magnets in three-dimensional space using edge finite elements. Journal of Applied Physics, 1997, 81, 4088-4090.	1.1	5
29	A new method for 3-D vector field visualization utilizing streamlines and volume rendering techniques. IEEE Transactions on Magnetics, 1998, 34, 3435-3438.	1.2	5
30	Adaptive Finite Element Analysis Using Dynamic Bubble System Taking into Account Magnitude of Magnetic Flux Density. IEEJ Transactions on Industry Applications, 1999, 119, 1416-1421.	0.1	5
31	A novel tetrahedral mesh generation method for rotating machines including end-coil region. IEEE Transactions on Magnetics, 1996, 32, 1353-1356.	1.2	4
32	Automatic Hexahedral Mesh Generation for Rotating Machine. IEEE Transactions on Magnetics, 2004, 40, 973-976.	1.2	4
33	A New Interactive Visualization System With Force Feedback Device in 3-D Electromagnetics. IEEE Transactions on Magnetics, 2004, 40, 1382-1385.	1.2	4
34	Visual computing concept in finite element analysis. IEEE Transactions on Magnetics, 1997, 33, 1982-1985.	1.2	2
35	A new interactive visualization system with force feedback for electromagnetics education. International Journal of Applied Electromagnetics and Mechanics, 2004, 19, 385-390.	0.3	2
36	An automatic hexahedral mesh generation method for hexahedral elements towards rotating machine. Journal of Materials Processing Technology, 2005, 161, 101-106.	3.1	2

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37	A New Adaptive Mesh Refinement Method in FEA Based on Magnetic Field Conservation at Elements Interfaces and Non-Conforming Mesh Refinement Technique. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	2
38	An improved method for magnetic flux density visualization using threeâ€dimensional edge finite element method. Journal of Applied Physics, 1994, 75, 6042-6044.	1.1	1
39	A mixed solving procedure for ungauged 3D edge finite element analysis. IEEE Transactions on Magnetics, 1995, 31, 1702-1705.	1.2	1
40	An Improved 3-D Edge Finite Element Method for Eddy-Current Analysis of Induction Furnace Using Sliced Models. Elsevier Studies in Applied Electromagnetics in Materials, 1995, , 67-70.	0.1	1
41	An automatic hexahedral mesh generation for high-quality mesh by deformation and tree structure. IEEE Transactions on Magnetics, 2005, 41, 1664-1667.	1.2	1
42	A new adaptive mesh refinement method in FEA based on conservation of magnetic field at interface between two elements. , 2016, , .		0
43	Fast Magnetic Flux Line Allocation Algorithm for Interactive Visualization Using Magnetic Flux Line Existence Probability. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	0
44	An Adaptive FEM Based on Magnetic Field Conservation Applying to Ferromagnetic Problems. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	0