

Florea Ioan Hantila

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6311462/publications.pdf>

Version: 2024-02-01

27
papers

299
citations

1040056

9
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization method for static fields. IEEE Transactions on Magnetics, 2000, 36, 672-675.	2.1	92
2	An Efficient Harmonic Method for Solving Nonlinear Time-Periodic Eddy-Current Problems. IEEE Transactions on Magnetics, 2007, 43, 1185-1188.	2.1	40
3	A nonlinear eddy-current integral formulation for moving bodies. IEEE Transactions on Magnetics, 1998, 34, 2529-2534.	2.1	24
4	A nonlinear eddy current integral formulation in terms of a two-component current density vector potential. IEEE Transactions on Magnetics, 1996, 32, 784-787.	2.1	22
5	Nonlinear FEM-BEM formulation and model-free inversion procedure for reconstruction of cracks using pulse eddy currents. IEEE Transactions on Magnetics, 2002, 38, 1241-1244.	2.1	22
6	Integral Formulation and Genetic Algorithms for Defects Geometry Reconstruction Using Pulse Eddy Currents. IEEE Transactions on Magnetics, 2010, 46, 3433-3436.	2.1	16
7	Modelling eddy currents in thin shields. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 964-973.	0.9	11
8	Efficient Iterative Integral Technique for Computation of Fields in Electric Machines with Rotor Eccentricity. IEEE Transactions on Magnetics, 2012, 48, 1015-1018.	2.1	10
9	Nonlinear Integral Formulation and Neural Network-Based Solution for Reconstruction of Deep Defects With Pulse Eddy Currents. IEEE Transactions on Magnetics, 2014, 50, 113-116.	2.1	9
10	Performances of a waste recycling separator with permanent magnets. Journal of Materials Processing Technology, 2007, 181, 246-248.	6.3	8
11	Novel Solution to Eddy-Current Heating of Ferromagnetic Bodies With Nonlinear $\{m\} B\}hbox{\hat{e}}\{m\} H\}$ Characteristic Dependent on Temperature. IEEE Transactions on Magnetics, 2008, 44, 1190-1193.	2.1	6
12	Efficient Analysis of the Solidification of Moving Ferromagnetic Bodies With Eddy-Current Control. IEEE Transactions on Magnetics, 2009, 45, 1238-1241.	2.1	5
13	Convergence acceleration in the polarization method for nonlinear periodic fields. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 1688-1700.	0.9	5
14	Magnetic vector potential tree edge values for boundary elements. IEEE Transactions on Magnetics, 2003, 39, 1183-1186.	2.1	4
15	Pulsed operation analysis of the thermoelectric generators used in space applications. , 2013, , .		4
16	Direct computation of static difference magnetic field in nonlinear magnetic materials and application to shape reconstruction of damaged areas in aging materials. IEEE Transactions on Magnetics, 2002, 38, 1073-1076.	2.1	3
17	Field Analysis for Thin Shields in the Presence of Ferromagnetic Bodies. IEEE Transactions on Magnetics, 2010, 46, 3373-3376.	2.1	3
18	Analysis of the Motion of Conducting Sheets in Magnetic Fields. IEEE Transactions on Magnetics, 2014, 50, 73-76.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Error bounds for the FEM numerical solution of non-linear field problems. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2004, 23, 835-844.	0.9	2
20	Microwave ovens electromagnetic field analysis by means of boundary element method. Journal of Materials Processing Technology, 2005, 161, 305-310.	6.3	2
21	Performance analysis of multiply connected thin shields. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 271-278.	0.6	2
22	Fast and accurate analysis of thin shields with holes based on the current sheet integral equation. , 2011, , .		2
23	Boundary element method for multiply connected domains. Journal of Materials Processing Technology, 2005, 161, 315-319.	6.3	1
24	Pulse eddy currents using an integral-FEM formulation for cracks detection. International Journal of Applied Electromagnetics and Mechanics, 2010, 33, 1225-1229.	0.6	1
25	A new method for time domain computation of the steady state in nonlinear circuits. , 2011, , .		1
26	A New Vector Potential BEM for Magnetic Fields Bounded by Perfect Conductors. IEEE Transactions on Magnetics, 2011, 47, 1350-1353.	2.1	1
27	Integral-FEM Simulation and Independent Component Analysis for Multiple Defect Separation from Pulse Eddy Currents Signals. Materials Science Forum, 0, 670, 171-177.	0.3	0