

Kengo Sugahara

List of Publications by Year in descending order

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papers

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1307594

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56
citing authors

#	ARTICLE	IF	CITATIONS
1	Cauer Ladder Network Representation of Eddy-Current Fields for Model Order Reduction Using Finite-Element Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	45
2	Model Order Reduction of an Induction Motor Using a Cauer Ladder Network. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	13
3	Simple and low-cost tabletop NMR system for chemical-shift-resolution spectra measurements. Journal of Magnetic Resonance, 2018, 294, 128-132.	2.1	12
4	Matrix Formulation of the Cauer Ladder Network Method for Efficient Eddy-Current Analysis. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	10
5	Multi-Port Model Order Reduction Using a Matrix Cauer Ladder Network. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	9
6	Finite-Element Analysis of Unbounded Eddy-Current Problems Using Cauer Ladder Network Method. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	7
7	Dynamical Model of an Electromagnet using Cauer Ladder Network Representation of Eddy-current Fields. IEJ Journal of Industry Applications, 2018, 7, 305-313.	1.1	7
8	Cauer Ladder Network With Multiple Expansion Points for Efficient Model Order Reduction of Eddy-Current Field. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	7
9	Modal Decomposition of 3-D Quasi-Static Maxwell Equations by Cauer Ladder Network Representation. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	7
10	Improvised Asymptotic Boundary Conditions for Magnetostatic Field Problems in Ellipsoidal and Elliptic Cylindrical Domains. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
11	Reduced Order Modeling Based on Multiport Cauer Ladder Network for Space Harmonics of Air-Gap Flux Density in Cage Induction Motor. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	5
12	Equivalent Circuit in Cauer Form for Eddy Current Field Including a Translational Mover. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	3
13	Reduction of AM Radio Noise of a VVVF Inverter for an Electric Railway Car and a Simulation Model of Noise Current. , 2019, , .		2
14	Reduction of AM Radio Noise of a VVVF Inverter for an Electric Railway Car and a Simulation Model of Noise Current. IEJ Transactions on Industry Applications, 2019, 139, 495-502.	0.2	2
15	Dynamical model of an electromagnet by cauer ladder network representation of eddy-current fields. , 2017, , .		1
16	Improvised asymptotic boundary conditions for quasi-static magnetic-field problems in ellipsoidal domains. , 2016, , .		0
17	Strategic dual image method for three-dimensional magnetic field problems. , 2016, , .		0
18	Terahertz field enhancement by bullâ€™s eye antenna for force-detected electron paramagnetic resonance measurements. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	A Novel Reluctance Network Model Applicable for Open Magnetic Circuits. Journal of the Magnetics Society of Japan, 2021, 45, .	0.9	0