Silvio Ikuyo Nabeta

List of Publications by Year
in descending order

46 papers	450 citations	759233 12 h-index	752698 20 g-index
46 all docs	46 docs citations	46 times ranked	408 citing authors

#	Article	IF	Citations
1	Simulação do Desempenho de Motores e Geradores de Relutância Chaveados. Eletrônica De Potência, 2024, 8, 69-77.	0.1	0
2	A Novel Approach to Defining Maintenance Significant Items: A Hydro Generator Case Study. Energies, 2020, 13, 6273.	3.1	3
3	Forecast Model Update Based on a Real-Time Data Processing Lambda Architecture for Estimating Partial Discharges in Hydrogenerator. Sensors, 2020, 20, 7242.	3.8	0
4	Wavelet-Like Transform to Optimize the Order of an Autoregressive Neural Network Model to Predict the Dissolved Gas Concentration in Power Transformer Oil from Sensor Data. Sensors, 2020, 20, 2730.	3.8	10
5	Fuzzy-FMSA: Evaluating Fault Monitoring and Detection Strategies Based on Failure Mode and Symptom Analysis and Fuzzy Logic. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2020, 6, .	1.1	4
6	Defining Maintenance Performance Indicators for Asset Management based on ISO 55000 and Balanced Scorecard: A Hydropower Plant Case Study. , 2020, , .		8
7	OMCTA: A novel knowledge-based technique to evaluate the influence of O&M actions on maintenance management. International Journal of Industrial Engineering and Management, 2020, , 81-93.	2.0	0
8	New method for experimental modal analysis of hydrogenerator's stator core using the excitation from the Poles. Journal of Engineering, 2019, 2019, 4341-4344.	1.1	0
9	Maintenance Strategy Optimization of a Coal-Fired Power Plant Cooling Tower through Generalized Stochastic Petri Nets. Energies, 2019, 12, 1951.	3.1	20
10	Determination of synchronous machine parameters through the SSFRTtest and artificial neural networks. Journal of Engineering, 2019, 2019, 4576-4579.	1.1	0
11	Defining Maintenance Significant Items Based on ISO 55000 and AHP: A Hydropower Plant Case Study. , 2019, , .		8
12	Updating a Hydro Power Plant Monitoring System Through Failure Modes and Symptoms Analysis. , 2019, , .		1
13	Criticality-based maintenance of a coal-fired power plant. Energy, 2018, 147, 767-781.	8.8	61
14	Nonlinear Autoregressive Neural Network Models for Prediction of Transformer Oil-Dissolved Gas Concentrations. Energies, 2018, 11, 1691.	3.1	25
15	Magnetic topology with axial flux concentration: a technique to improve permanent-magnet motor performance. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 881-899.	0.7	4
16	A Surrogate-Based Two-Level Genetic Algorithm Optimization Through Wavelet Transform. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
17	Capacitive and inductive sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4
18	Development of distance sensors for diagnosing air-gap anomalies in synchronous generators. , 2015, , .		4

#	Article	IF	Citations
19	A Two-Level Genetic Algorithm for Large Optimization Problems. IEEE Transactions on Magnetics, 2014, 50, 733-736.	2.1	5
20	Optimal placement of rectifier substations on DC traction systems. IET Electrical Systems in Transportation, 2014, 4, 62-69.	2.4	13
21	A Parallel Wavelet-Based Algebraic Multigrid Black-Box Solver and Preconditioner. Journal of Applied Mathematics, 2012, 2012, 1-15.	0.9	1
22	A new multilevel smoothing method for wavelet-based algebraic multigrid poisson problem solver. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2011, 10, 379-388.	0.7	0
23	Acoustic Simulation of a Special Switched Reluctance Drive by Means of Field&#x2013;Circuit Coupling and Multiphysics Simulation. IEEE Transactions on Industrial Electronics, 2010, 57, 2946-2953.	7.9	42
24	An efficient two-level preconditioner based on lifting for FEM-BEM equations. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2010, 9, 78-88.	0.7	1
25	Aplicação do pré-condicionador Multigrid Algébrico baseado em Wavelet no cálculo magnéticos não lineares. Exacta, 2009, 7, 173-180.	0.5	0
26	Um estudo de métodos de suavização para o multigrid algébrico baseado em Wavelets. Exacta, 2009, 7, 165-172.	0.5	0
27	Mitigation of the Torque Ripple of a Switched Reluctance Motor Through a Multiobjective Optimization. IEEE Transactions on Magnetics, 2008, 44, 1018-1021.	2.1	68
28	Solution of Nonlinear Magnetic Field Problems by Krylov-Subspace Methods With ${mbi eta}$-Cycle Wavelet-Based Algebraic Multigrid Preconditioning. IEEE Transactions on Magnetics, 2008, 44, 950-953.	2.1	1
29	Second-order model for remote and close-up short-circuit faults currents on DC traction supply. IET Power Electronics, 2008, 1, 348.	2.1	14
30	Simulação digital do sistema de tração elétrica metroferroviária: modelagem e métodos. Exacta, 2008, 6, 229-236.	0.5	1
31	A Wavelet-Based Algebraic Multigrid Preconditioning for Iterative Solvers in Finite-Element Analysis. IEEE Transactions on Magnetics, 2007, 43, 1553-1556.	2.1	6
32	Determination of Frequency-Dependent Characteristics of Substation Grounding Systems by Vector Finite-Element Analysis. IEEE Transactions on Magnetics, 2007, 43, 1825-1828.	2.1	11
33	Uma nova abordagem baseada em wavelets para o método multigrid algébrico: parte II â€" Algoritmo paralelo DOI: 10.5585/exacta.v5i2.1179. Exacta, 2007, 5, 301-310.	0.5	0
34	A fast algebraic multigrid preconditioned conjugate gradient solver. Applied Mathematics and Computation, 2006, 179, 344-351.	2.2	9
35	A wavelet-based algebraic multigrid preconditioner for sparse linear systems. Applied Mathematics and Computation, 2006, 182, 1098-1107.	2.2	20
36	Simulação de composição ferroviária acionada por motores de indução e inversores de tensão. Controle and Automacao, 2005, 16, 1-12.	0.2	0

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37	Diffuse-element method and quadtrees: two "ingredients" for an adaptive response surface. IEEE Transactions on Magnetics, 2002, 38, 1085-1088.	2.1	11
38	An adaptive method applied to the diffuse element approximation in optimization process. IEEE Transactions on Magnetics, 2001, 37, 3418-3422.	2.1	14
39	Modified nodal analysis applied to electric circuits coupled with FEM in the simulation of a universal motor. IEEE Transactions on Magnetics, 2000, 36, 1431-1434.	2.1	19
40	Finite element analysis of impedance of an electron beam current monitor. IEEE Transactions on Magnetics, 1999, 35, 1833-1836.	2.1	4
41	A new design technique based on a suitable choice of rotor geometrical parameters to maximize torque and power factor in synchronous reluctance motors. I. Theory. IEEE Transactions on Energy Conversion, 1999, 14, 599-604.	5.2	7
42	Finite element analysis of a synchronous permanent magnet micromotor through axisymmetric and transverse planar simulations. IEEE Transactions on Magnetics, 1998, 34, 3604-3607.	2.1	0
43	Finite element analysis of the skin-effect in damper bars of a synchronous machine. IEEE Transactions on Magnetics, 1997, 33, 2065-2068.	2.1	9
44	Finite element simulations of unbalanced faults in a synchronous machine. IEEE Transactions on Magnetics, 1996, 32, 1561-1564.	2.1	12
45	A non-linear time-stepped finite-element simulation of a symmetrical short-circuit in a synchronous machine. IEEE Transactions on Magnetics, 1995, 31, 2040-2043.	2.1	10
46	A time-stepped finite-element simulation of a symmetrical short-circuit in a synchronous machine. IEEE Transactions on Magnetics, 1994, 30, 3683-3686.	2.1	17