

B L J Gysen

List of Publications by Year in descending order

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19
papers

509
citations

1163117

8
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	General Formulation of the Electromagnetic Field Distribution in Machines and Devices Using Fourier Analysis. IEEE Transactions on Magnetics, 2010, 46, 39-52.	2.1	259
2	Magnetic Saturation in Semi-Analytical Harmonic Modeling for Electric Machine Analysis. IEEE Transactions on Magnetics, 2016, 52, 1-10.	2.1	74
3	Semianalytical Framework for Synchronous Reluctance Motor Analysis Including Finite Soft-Magnetic Material Permeability. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	31
4	Topology Comparison of Slotless Permanent Magnet Semispherical Actuators. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	29
5	Hybrid Analytical Modeling of Saturated Linear and Rotary Electrical Machines: Integration of Fourier Modeling and Magnetic Equivalent Circuits. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	29
6	Torque Ripple Reduction for 12-Stator/10-Rotor-Pole Variable Flux Reluctance Machines by Rotor Skewing or Rotor Teeth Non-Uniformity. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	19
7	Electric circuit coupling of a slotted semi-analytical model for induction motors based on harmonic modeling. , 2014, , .		12
8	High-Order Methods Applied to Nonlinear Magnetostatic Problems. Mathematical and Computational Applications, 2019, 24, 19.	1.3	10
9	General Formulation of the Magnetostatic Field and Temperature Distribution in Electrical Machines Using Spectral Element Analysis. IEEE Transactions on Magnetics, 2018, 54, 1-9.	2.1	9
10	Optimization of the Force Density for Medium-Stroke Reluctance Actuators. IEEE Transactions on Industry Applications, 2014, 50, 3194-3202.	4.9	7
11	Multi-Degree-of-Freedom Spherical Permanent-Magnet Gravity Compensator for Mobile Arm Support Systems. IEEE Transactions on Industry Applications, 2014, 50, 3628-3636.	4.9	7
12	Calculation of induced rotor current in induction motors using a slotted semi-analytical harmonic model. , 2014, , .		6
13	Analysis of Motional Eddy Currents in the Slitted Stator Core of an Axial-Flux Permanent-Magnet Machine. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	6
14	Comparison of Harmonic and Magnetic Charge Model for Spherical Magnetic Structures With a Neumann Boundary. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	3
15	Analysis and minimization of torque ripple for variable flux reluctance machines. , 2017, , .		3
16	Soft-landing control of low-energy solenoid valve actuators. , 2018, , .		3
17	Adaptive Isogeometric Analysis Applied to an Electromagnetic Actuator. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
18	Spectral element model for 2-D electrostatic fields in a linear synchronous motor. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Comparison of direct and indirectly liquid-cooled coreless linear actuators with multi-layer coils. , 2017, , .		0