

Zeger Bontinck

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

64
citations

1684188

5
h-index

1588992

8
g-index

11
all docs

11
docs citations

11
times ranked

73
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Optimization of a Permanent-Magnet Synchronous Machine Considering Uncertain Driving Cycles. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	2
2	A Multilevel Monte Carlo Method for High-Dimensional Uncertainty Quantification of Low-Frequency Electromagnetic Devices. IEEE Transactions on Magnetics, 2019, 55, 1-12.	2.1	4
3	Isogeometric analysis and harmonic stator-rotor coupling for simulating electric machines. Computer Methods in Applied Mechanics and Engineering, 2018, 334, 40-55.	6.6	16
4	Robust shape optimization of electric devices based on deterministic optimization methods and finite-element analysis with affine parametrization and design elements. Electrical Engineering, 2018, 100, 2635-2647.	2.0	10
5	Robust optimisation formulations for the design of an electric machine. IET Science, Measurement and Technology, 2018, 12, 939-948.	1.6	9
6	Modelling of a permanent magnet synchronous machine using isogeometric analysis. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1805-1814.	0.9	4
7	Model Order Reduction for Rotating Electrical Machines. , 2018, , 121-140.		2
8	Multilevel Monte Carlo simulation of the eddy current problem with random parameters. , 2017, , .		1
9	Uncertainty Quantification for a Permanent Magnet Synchronous Machine with Dynamic Rotor Eccentricity. Mathematics in Industry, 2017, , 493-499.	0.3	0
10	Response Surface Models for the Uncertainty Quantification of Eccentric Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	7
11	Optimization of a Stern-Gealach Magnet by Magnetic Field-Circuit Coupling and Isogeometric Analysis. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	9