Zeger Bontinck

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6563373/publications.pdf

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11	64	1684188 5	1588992 8
papers	citations	h-index	g-index

11	11	11	73
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isogeometric analysis and harmonic statorâ€“rotor coupling for simulating electric machines. Computer Methods in Applied Mechanics and Engineering, 2018, 334, 40-55.	6.6	16
2	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
3	Optimization of a Sternâ€“Gerlach Magnet by Magnetic Fieldâ€“Circuit Coupling and Isogeometric Analysis. IEEE Transactions on Magnetics, 2015, 51, 1-7.	2.1	9
4	Robust optimisation formulations for the design of an electric machine. IET Science, Measurement and Technology, 2018, 12, 939-948.	1.6	9
5	Response Surface Models for the Uncertainty Quantification of Eccentric Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	7
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	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
8	Robust Optimization of a Permanent-Magnet Synchronous Machine Considering Uncertain Driving Cycles. IEEE Transactions on Magnetics, 2020, 56, 1-5.	2.1	2
9	Model Order Reduction for Rotating Electrical Machines. , 2018, , 121-140.		2
10	Multilevel Monte Carlo simulation of the eddy current problem with random parameters. , 2017, , .		1
11	Uncertainty Quantification for a Permanent Magnet Synchronous Machine with Dynamic Rotor Eccentricity. Mathematics in Industry, 2017, , 493-499.	0.3	0