

Jean Le Besnerais

List of Publications by Year in descending order

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401
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Reduction of Audible Magnetic Noise Due to PWM Supply in Induction Machines. IEEE Transactions on Industrial Electronics, 2010, 57, 1288-1295.	7.9	131
2	Vibroacoustic Analysis of Radial and Tangential Air-Gap Magnetic Forces in Permanent Magnet Synchronous Machines. IEEE Transactions on Magnetics, 2015, 51, 1-9.	2.1	69
3	Prediction of Audible Magnetic Noise Radiated by Adjustable-Speed Drive Induction Machines. IEEE Transactions on Industry Applications, 2010, 46, 1367-1373.	4.9	68
4	Optimal Slot Numbers for Magnetic Noise Reduction in Variable-Speed Induction Motors. IEEE Transactions on Magnetics, 2009, 45, 3131-3136.	2.1	62
5	Optimal Slot Opening Width for Magnetic Noise Reduction in Induction Motors. IEEE Transactions on Energy Conversion, 2009, 24, 869-874.	5.2	48
6	Comparison of Main Magnetic Force Computation Methods for Noise and Vibration Assessment in Electrical Machines. IEEE Transactions on Magnetics, 2018, 54, 1-13.	2.1	46
7	An Investigation of Zeroth-Order Radial Magnetic Forces in Low-Speed Surface-Mounted Permanent Magnet Machines. IEEE Transactions on Magnetics, 2016, 52, 1-6.	2.1	37
8	Characterization and Reduction of Magnetic Noise Due to Saturation in Induction Machines. IEEE Transactions on Magnetics, 2009, 45, 2003-2008.	2.1	36
9	Vibration Reduction of Inductors Under Magnetostrictive and Maxwell Forces Excitation. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	34
10	A review of subdomain modeling techniques in electrical machines: Performances and applications. , 2016, , .		25
11	Tangential effects on magnetic vibrations and acoustic noise of induction machines using subdomain method and electromagnetic vibration synthesis. , 2017, , .		25
12	An Improved 2-D Subdomain Model of Squirrel-Cage Induction Machine Including Winding and Slotting Harmonics at Steady State. IEEE Transactions on Magnetics, 2018, 54, 1-12.	2.1	25
13	Influence of Converter Topology and Carrier Frequency on Airgap Field Harmonics, Magnetic Forces, and Vibrations in Converter-Fed Hydropower Generator. IEEE Transactions on Industry Applications, 2018, 54, 2202-2214.	4.9	18
14	Analysis of radial force harmonics in PMSM responsible for electromagnetic noise. , 2015, , .		10
15	Experimental Benchmark for Magnetic Noise and Vibrations Analysis in Electrical Machines. , 2018, , .		8
16	Study of the Combined Effects of the Air-Gap Transfer for Maxwell Tensor and the Tooth Mechanical Modulation in Electrical Machines. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	8
17	Prediction of audible magnetic noise radiated by adjustable speed drive induction machines. , 2009, , .		7
18	Spread spectrum strategies study for induction motor vibratory and acoustic behavior. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	6

#	ARTICLE	IF	CITATIONS
19	Mixed-variable optimal design of induction motors including efficiency, noise and thermal criteria. Optimization and Engineering, 2011, 12, 55-72.	2.4	6
20	Effect of Mesh-to-Mesh Projection on the Magnetic Tooth Forces Calculation in Electrical Machines. , 2020, , .		5
21	Analysis of electromagnetically-induced vibrations of electrical machines based on spatiogram technique. International Journal of Applied Electromagnetics and Mechanics, 2016, 51, S23-S32.	0.6	4
22	e-NVH response synthesis of electric motors based on stator teeth FRF measurements. International Journal of Applied Electromagnetics and Mechanics, 2021, 64, S143-S154.	0.6	1