

### **Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor**

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; **Belahcen, Anouar** IEEE transactions on magnetics 2021 / art. 9277612, 8 p. : ill <https://doi.org/10.1109/TMAG.2020.3041703> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Analytical solution of the magnetic field and EMF calculation in ironless BLDC motor**

Liu, Xiangdong; Hu, Hengzai; Zhao, Jing; **Belahcen, Anouar**; Tang, Liang; Yang, Lei IEEE transactions on magnetics 2016 / art. 8100510, [10] p. : ill <https://doi.org/10.1109/TMAG.2015.2481862>

### **Anisotropic and strain-dependent model of magnetostriction in electrical steel sheets**

**Belahcen, Anouar**; Singh, Deepak; Rasilo, Paavo; Martin, Florian; Ghalestani, Setareh Gorji; Vandeveld, Lieven IEEE transactions on magnetics 2015 / p. 200-204 : ill <https://doi.org/10.1109/TMAG.2014.2361681> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Armature reaction field and inductance calculation of ironless BLDC motor**

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### **Comparison of model order reduction methods for a switched reluctance machine characterization**

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### **Computation of hysteresis torque and losses in a bearingless synchronous reluctance machine**

**Belahcen, Anouar**; Mukherjee, Victor; Martin, Florian; Rasilo, Paavo IEEE transactions on magnetics 2018 / art. 7300804, 4 p. : ill <https://doi.org/10.1109/TMAG.2017.2765080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Computation of magnetic forces using degenerated air-gap element**

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### **Constrained algorithm for the selection of uneven snapshots in model order reduction of a bearingless motor**

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### **Coupled magneto-mechanical analysis of iron sheets under biaxial stress**

Aydin, U.; Rasilo, Paavo; Singh, Deepak; Lehtikinen, Antti; **Belahcen, Anouar**; Arkkio, Antero IEEE transactions on magnetics 2016 / art. 2000804, [4] p. : ill <https://doi.org/10.1109/TMAG.2015.2496207>

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### **Effect of mechanical stress on excess loss of electrical steel sheets**

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### **EMSA 2016 publications chairs preface**

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### **Equivalent strain and stress models for the effect of mechanical loading on the permeability of ferromagnetic materials**

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### **Generation of unmeasured loading levels data for condition monitoring of induction machine using machine learning**

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### **Identification of synchronous machine magnetization characteristics from calorimetric core-loss and no-load curve measurements**

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### **Importance of iron-loss modeling in simulation of wound-field synchronous machines**

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### **Modeling the Effect of Multiaxial Stress on Magnetic Hysteresis of Electrical Steel Sheets : A Comparison**

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### **Modified winding function analysis of synchronous reluctance motor for design iteration purposes : [journal article]**

**Naseer, Muhammad Usman**; **Kallaste, Ants**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton** IEEE transactions on magnetics

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### **Orthogonal interpolation method for order reduction of a synchronous machine model**

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**Uncertainty quantification of input parameters in a 2D finite-element model for broken rotor bar in an induction machine**  
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