

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

**Belahcen, Anouar; Mukhrejee, Victor; Martin, Floran; Rasilo, Paavo** 21st International Conference on the Computation of Electromagnetic Fields (Compumag 2017) : Daejeon, South Korea, 18-22 June 2017 2017 / p. 214-215 : ill  
[http://www.compumag.org/CMAG2017/\[PA-A5-10\].129.pdf](http://www.compumag.org/CMAG2017/[PA-A5-10].129.pdf)

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

**Belahcen, Anouar; Mukhrejee, Victor; Martin, Floran; 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](#)

**A current spectrum-based algorithm for fault detection of electrical machines using low-power data acquisition devices**

**Asad, Bilal; Raja, Hadi Ashraf; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang** Electronics 2023 / art. 1746 <https://doi.org/10.3390/electronics12071746>

**The oil spray cooling system of automotive traction motors : the state of the art**

**Ghahfarokhi, Payam Shams; Podgornovs, Andrejs; Kallaste, Ants; Cardoso, Antonio J. Marques; Belahcen, Anouar; Vaimann, Toomas** IEEE Transactions on Transportation Electrification 2023 / p. 428-451 <https://doi.org/10.1109/TTE.2022.3189596>

**Possible manufacturing tolerance faults in design and construction of low speed slotless permanent magnet generator**

**Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar** 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 4 2014 / p. 3073-3082 : ill

**Power losses analysis in thermal design of a synchronous reluctance motor**

**Shams Ghahfarokhi, Payam; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar** 2019 IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 7-9 October 2019 : conference proceedings 2019 / 5 p. : ill <https://doi.org/10.1109/RTUCON48111.2019.8982256>

**Review of the analytical flow model to predict the hydraulic behaviour in electrical machine**

**Ghahfarokhi, Payam Shams; Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818271>

**Uncertainty propagation of iron loss from characterization measurements to computation of electrical machines**

**Belahcen, Anouar; Rasilo, Paavo; Nguyen, Thu-Trang; Clénet, Stephane** COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 624-636 : ill <http://dx.doi.org/10.1108/COMPEL-10-2014-0271>