

### **Active and reactive power control of DFIG using optimized fractional order-PI controller**

Javed, Umar; Arshad, Muhammad Asad; **Shabbir, Noman; Kütt, Lauri; Rassõlkin, Anton** 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 398-404 <https://doi.org/10.1109/PEMC48073.2021.9432608>

### **Contribution of Maxwell stress in air on the deformations of induction machines**

Fonteyn, Katarzyna Anna; **Belahcen, Anouar**; Rasilo, Paavo; Kouhia, Reijo; Arkkio, Antero Journal of electrical engineering and technology 2012 / p. 336-341 : ill <https://ieeexplore.ieee.org/document/5664487>

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

Billah, Md Masum; Saberi, Alireza Nemat; Hemeida, Ahmed; Martin, Floran; **Kudelina, Karolina; Asad, Bilal; Naseer, Muhammad Usman**; Mukherjee, Victor; Belahcen, Anouar IEEE transactions on magnetics 2024 / art. 8201104  
<https://doi.org/10.1109/TMAG.2023.3312267>

### **Park's vector approach for detection of broken rotor bars in frequency converter fed induced generator**

**Vaimann, Toomas; Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 2 2012 / p. 985-988 : ill  
[https://www.academia.edu/17399045/Parks\\_Vector\\_Approach\\_for\\_Detection\\_Broken\\_Rotor\\_Bars\\_in\\_Frequency\\_Converter\\_Fed\\_Induction\\_Generator](https://www.academia.edu/17399045/Parks_Vector_Approach_for_Detection_Broken_Rotor_Bars_in_Frequency_Converter_Fed_Induction_Generator)

### **Synthetic Data-Driven Detection of Broken Rotor Bars in Induction Machines Under Adjusted Noise Level**

Nuha, Nurjahan Amin; Siddik Injam, Md Tanbir; El Bouharouti, Nada; Hemeida, Ahmed; **Kudelina, Karolina; Naseer, Usman Muhammad**; Belahcen, Anouar 2025 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) 2025 / 6 p  
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### **Vibration and stator current spectral analysis of induction machine operating under dynamic eccentricity**

Sobra, Jan; **Belahcen, Anouar; Vaimann, Toomas** 2015 International Conference on Electrical Drives and Power Electronics (EDPE) : 18th International Conference, 7th Joint Slovakian-Croatian Conference : proceedings : Hotel Slovan, Tatranska Lomnica, The High Tatras, Slovakia, September 21-23, 2015 2015 / p. 285-290 : ill <http://dx.doi.org/10.1109/EDPE.2015.7325307>