

### **Analysis of the vibration magnitude of an induction motor with different numbers of broken bars**

Martinez, Javier; **Belahcen, Anouar**; Muetze, Annette IEEE transactions on industry applications 2017 / p. 2711-2720 : ill  
<https://doi.org/10.1109/TIA.2017.2657478> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### **Broken bar indicators for cage induction motors and their relationship with the number of consecutive broken bars**

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero Electric power applications, IET 2013 / p. 633-642 : ill <https://digital-library.theiet.org/content/journals/10.1049/iet-epa.2012.0338>

### **Combined FE and two dimensional spectral analysis of broken cage faults in induction motors**

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Vienna, Austria, 10-14 November, 2013 2013 / p. 2674-2679 : ill <https://ieeexplore.ieee.org/document/6699553>

### **Comprehensive computations of the response of faulty cage induction machines**

**Belahcen, Anouar**; Martinez, Javier; **Vaimann, Toomas** Proceedings of the 2014 International Conference on Electrical Machines (ICEM) 2014 / p. 1504-1509 : ill

### **Condition monitoring of electrical machines and its relation to industrial internet**

**Belahcen, Anouar**; Gyftakis, Konstantinos N.; Martinez, Javier; Clemente-Alarcon, Vicente; **Vaimann, Toomas** 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 233-241 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194535>

### **Detection of broken bars in frequency converter fed induction motor using Park's vector approach**

**Vaimann, Toomas**; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 53-56 : ill  
[https://www.researchgate.net/publication/261051228\\_Detection\\_of\\_broken\\_bars\\_in\\_frequency\\_converter\\_fed\\_induction\\_motor\\_using\\_Park's\\_vector\\_approach](https://www.researchgate.net/publication/261051228_Detection_of_broken_bars_in_frequency_converter_fed_induction_motor_using_Park's_vector_approach)

### **Detection of induction motor broken bars in grid and frequency converter supply**

**Vaimann, Toomas**; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvia : [abstracts] 2012 / p. 112 : ill  
[https://www.researchgate.net/publication/262674778\\_Detection\\_of\\_induction\\_motor\\_broken\\_bars\\_in\\_grid\\_and\\_frequency\\_converter\\_supply](https://www.researchgate.net/publication/262674778_Detection_of_induction_motor_broken_bars_in_grid_and_frequency_converter_supply)

### **Detection of induction motor broken bars in grid and frequency converter supply**

**Vaimann, Toomas**; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Przeglad elektrotechniczny 2014 / p. 90-94 : ill  
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### **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)

### **Stator voltage analysis of frequency converter fed induction generator with broken rotor bars**

**Vaimann, Toomas**; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pämu, Estonia, January 14-19, 2013 2013 / p. 249-251 : ill

### **3D permeance model of induction machines taking into account saturation effects and its connection with stator current and shaft speed spectra**

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero IET electric power applications 2015 / p. 20-29 : ill <http://dx.doi.org/10.1049/iet-epa.2014.0013>

### **A 2D FEM model for transient and fault analysis of induction machines**

Martinez, Javier; **Belahcen, Anouar**; Arkkio, Antero Przeglad elektrotechniczny = Electrical review 2012 / p. 157-160 : ill  
<http://pe.org.pl/articles/2012/7b/41.pdf>

### **A 2D magnetic and 3D mechanical coupled finite element model for the study of the dynamic vibrations in the stator of induction motors**

Martinez, Javier; **Belahcen, Anouar**; Detoni, Joaquim G. Mechanical systems and signal processing 2016 / p. 640-656 : ill  
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