

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; Climente-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

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

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

Vaimann, Toomas; **Belahcen, Anouar**; Martinez, Javier; **Kilk, Aleksander** Przegląd elektrotechniczny 2014 / p. 90-94 : ill <https://www.pe.org.pl/articles/2014/1/22.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

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

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 : Pärnu, 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 Przegląd 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 <http://dx.doi.org/10.1016/j.ymssp.2015.06.014>