Acoustic noise computation of electrical motors using the boundary element method
Sathyan, Sabin; Aydin, Ugur; **Belahcen, Anouar** Energies 2020 / art. 0245 https://doi.org/10.3390/en13010245 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combined deterministic algorithm and metaheuristic technique for fast and accurate resolution of optimization problems
Martin, Floran; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar** 21st International Conference on the Computation of Electromagnetic Fields (Compumag 2017) : Daejeon, South Korea, 18-22 June 2017 2017 / p. 3-4 : ill
http://www.compumag.org/CMAG2017/[OA1-2]_131.pdf

Effect of mechanical stress on magnetization and magnetostriction strain behavior of non-oriented Si-Fe steels at different directions and under pseudo-DC conditions
Lahyaoui, Otmane; Lanfranchi, Vincent; Buiron, Nicolas; Martin, Floran; Aydin, Ugur; **Belahcen, Anouar** International journal of applied electromagnetics and mechanics 2019 / p. 299-312 https://doi.org/10.3233/JAE-180106

Effect of multi-axial stress on iron losses of electrical steel sheets
Aydin, Ugur; Rasilo, Paavo; Martin, Floran; **Belahcen, Anouar** Journal of magnetism and magnetic materials 2019 / p. 19-27 : ill
https://doi.org/10.1016/j.jmmm.2018.08.003

Effect of punching the electrical sheets on optimal design of a permanent magnet synchronous motor
Martin, Floran; Aydin, Ugur; Sundaria, Ravi; Rasilo, Paavo; **Belahcen, Anouar**; Arkkio, Antero IEEE Transactions on Magnetics 2018 / art. 8102004 https://doi.org/10.1109/TMAG.2017.2768399 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Equivalent strain and stress models for the effect of mechanical loading on the permeability of ferromagnetic materials
Rasilo, Paavo; Aydin, Ugur; Martin, Floran; **Belahcen, Anouar**; Kouhia, Reijo; Daniel, Laurent IEEE transactions on magnetics 2019 / art. 2002104, https://doi.org/10.1109/TMAG.2018.2890407

Flexible identification procedure for thermodynamic constitutive models for magnetostrictive materials
Rasilo, Paavo; Singh, Deepak; Jeronen, Juha; Aydin, Ugur; Martin, Floran; **Belahcen, Anouar**; Daniel, Laurent; Kouhia, Reijo Proceedings of the Royal Society. A, Mathematical, physical & engineering sciences 2019 / 21 p https://doi.org/10.1098/rspa.2018.0280

Influence of magnetic forces and magnetostriction on the vibration behavior of an induction motor
Sathyan, Sabin; Aydin, Ugur; Lehikoinen, Antti; **Belahcen, Anouar**; **Vaimann, Toomas**; Kataja, Juhani International journal of applied electromagnetics and mechanics 2019 / p. 825-834 https://doi.org/10.3233/JAE-171045 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of the causes behind the vibrations of a high-speed solid-rotor induction motor
Sathyan, Sabin; **Belahcen, Anouar**; Lehikoinen, Antti; Aydin, Ugur; Boxberg, Fredrik Journal of sound and vibration 2019 / art. 114976, 14 p https://doi.org/10.1016/j.jsv.2019.114976 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Magneto-mechanical modeling of electrical steel sheets
Aydin, Ugur; Rasilo, Paavo; Martin, Floran; Singh, Deepak; Daniel, Laurent; **Belahcen, Anouar**; Rekik, Mahmoud; Hubert, Olivier; Kouhia, Reijo; Arkkio, Antero Journal of magnetism and magnetic materials 2017 / p. 82-90 : ill
https://doi.org/10.1016/j.jmmm.2017.05.008

Modeling the Effect of Multiaxial Stress on Magnetic Hysteresis of Electrical Steel Sheets : A Comparison
Aydin, Ugur; Rasilo, Paavo; Martin, Floran; Singh, Deepak; **Belahcen, Anouar** IEEE transactions on magnetics 2017 / art. 2000904, 4 p. : ill http://dx.doi.org/10.1109/TMAG.2017.2658676

Rotational single sheet tester for multiaxial magneto-mechanical effects in steel sheets
Aydin, Ugur; Martin, Floran; Rasilo, Paavo; **Belahcen, Anouar** IEEE transactions on magnetics 2019 / art. 2001810, 10 p. : ill
https://doi.org/10.1109/TMAG.2018.2889238