

Bearing fault analysis of BLDC motor for electric scooter application

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Belahcen, Anouar; Rassõlkin, Anton; Kallaste, Ants; Lukichev, Dmitry
Designs 2020 / art. 42, 18 p. : ill <https://doi.org/10.3390/designs4040042> [Journal metrics at Scopus](#) [Article at Scopus](#)

Co-simulations of induction machines coupled with a radial ball bearing for mechanical defects analysis

El Bouharrouti, Nada; Sitnikov, Maksim; Hemeida, Ahmed; Martin, Florian; Kudelina, Karolina; Naseer, Muhammad Usman; Belahcen, Anouar IET Electric Power Applications 2025 / 13 p. : ill <http://dx.doi.org/10.1049/elp2.12529>

Efficiency of diagnosing the condition of rolling bearings in real time

Baraškova, Tatjana; Shirokova, Veronika Ukrainian metrological journal 2022 / p. 34-38 : ill <https://doi.org/10.24027/2306-7039.4.2022.276322>

Implementation and analysis of rolling bearing faults caused by shaft currents

Kudelina, Karolina; Autso, Siarhei; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2022 <https://doi.org/10.1109/IWED54598.2022.9722596>

Miniatuurkuullaagrid

Ajaots, Mado Tehnika ja Tootmine 1985 / lk. 16-18 : ill https://www.ester.ee/record=b1073047*est

Multi-Rate Vibration Signal Analysis for Enhanced Data-Driven Monitoring of Bearing Faults in Induction Machines

El Bouharrouti, Nada; Koveshnikov, Semen; Garcia-Calva, Tomas Alberto; Vehvilainen, Milla; Kudelina, Karolina; Naseer, Muhammad Usman; Vaimann, Toomas; Belahcen, Anouar 2024 International Conference on Electrical Machines, ICEM 2024 2024 / 7 p. <http://dx.doi.org/10.1109/ICEM60801.2024.10700488>

Preliminary analysis of bearing current faults for predictive maintenance

Kudelina, Karolina; Raja, Hadi Ashraf; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang 2023 IEEE International Conference on Electric Machines and Drives (IEMDC) 2023 / 5 p. : ill <https://doi.org/10.1109/IEMDC55163.2023.10238934>

SKF laagrite tehnohoolduse käsiraamat

Üksti, Lembit; Järvpõld, Lembit 1998 https://www.ester.ee/record=b1061212*est

Study of bearing currents in induction machine : diagnostic possibilities, fault detection, and prediction

Kudelina, Karolina; Raja, Hadi Ashraf; Naseer, Muhammad Usman; Autso, Siarhei; Asad, Bilal; Vaimann, Toomas; Kallaste, Ants Electrical engineering 2024 / 14 p. : ill <https://doi.org/10.1007/s00202-024-02411-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uut veerelaagrite tööressursi suurendamisel ja arvutamisel

Kleis, Ilmar Tehnika ja Tootmine 1988 / lk. 14-17 https://www.ester.ee/record=b1073047*est

Veerelaagrid

Soonvald, Eugen 1952 https://www.ester.ee/record=b1214845*est

Veerelaagrite valik ja arvutus personaalarvutil

Pahapill, Jaak; Üksti, Lembit Arvutustehnika ja Andmetöötlus : A&A 1988 / lk. 25-27 : ill https://www.ester.ee/record=b1071940*est

Võllid. Veerelaagrid. Veerelaagrisõlmede kujundus. Liugelaagrid

Kuldma, Harry Masinaehitaja käsiraamat. 2. kd 1971 / lk. 273-323 https://www.ester.ee/record=b1336422*est

Определение площади контакта шины в процессе её качения

Putk, Aksel-Johannes Известия высших учебных заведений. Строительство и архитектура 1977 / с. 119-120