

Publications

1. **J. Chen** and E. L. Severson
 - **Design and modeling of the bearingless induction motor**
 - 2019 IEEE International Electric Machines and Drives Conference (IEMDC),
 - May 2019.
2. **J. Chen** and J. Huang
 - **Globally Stable Speed-Adaptive Observer with Auxiliary States for Sensorless Induction Motor Drives**
 - IEEE Transactions on Power Electronics, vol. 34, no. 1,
 - Jan 2019.
3. **J. Chen**, J. Huang and Y. Sun
 - **Resistances and Speed Estimation in Sensorless Induction Motor Drives Using a Model with Known Regressors**
 - IEEE Transactions on Industrial Electronics, vol. 66, no. 4,
 - April 2019.
4. **J. Chen** and J. Huang
 - **Application of Adaptive Observer to Sensorless Induction Motor Via Parameter-dependent Transformation**
 - IEEE Transactions on Control Systems Technology, doi: 10.1109/TCST.2018.2863668, 2019.
5. **J. Chen** and J. Huang
 - **Stable Simultaneous Stator and Rotor Resistances Identification for Speed Sensorless Induction Motor Drives: Review and New Results**
 - IEEE Transactions on Power Electronics, vol. 33, no. 10, pp. 8695-8709,
 - Oct 2018.
6. **J. Chen** and J. Huang
 - **Online Decoupled Stator and Rotor Resistances Adaptation for Speed Sensorless Induction Motor Drives by a Time-division Approach**
 - IEEE Transactions on Power Electronics, vol. 32, no. 6, pp. 4587-4599,
 - June 2017.
7. **J. Chen**, J. Huang, and M. Ye
 - **Totally Adaptive Observer for Speed Sensorless Induction**

- Motor Drives: Simply a Cost of Extra Energy Consumption**
- IEEE International Electric Machines and Drives Conference (IEMDC).
 - May 2017.
8. L. Zhao, J. Huang, **J. Chen**, and M. Ye
 - A Parallel Speed and Rotor Time Constant Identification Scheme for Indirect Field Oriented Induction Motor Drives
 - IEEE Transactions on Power Electronics, vol. 31, no. 9, pp. 6494-6503,
 - Sept 2016.
 9. T. Wang, J. Huang, M. Ye, **J. Chen**, W. Kong, M. Kang, and M. Yu
 - An EMF Observer for PMSM Sensorless Drives Adaptive to Stator Resistance and Rotor Flux-Linkage
 - IEEE Journal of Emerging and Selected Topics in Power Electronics, doi: 10.1109/JESTPE.2018.2865862.
 - 2019
 10. Wang, T., Huang, J., Lin, B., Kang, M., **Chen, J.**, & Kong, W.
 - **Eccentricity detection of a six-phase induction motor with HFI**
 - IET Electric Power Applications.
 - 2019