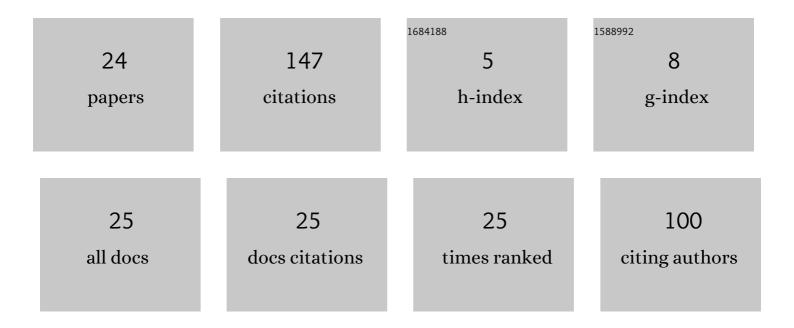
Manfred SchrĶdl

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4829514/publications.pdf Version: 2024-02-01



MANEDED SCHDÄTDL

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Stabilization of a Magnetically Levitated Rotor in the Case of a Defective Radial Actuator. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2599-2609. | 5.8 | 21 |
| 2 | Sensorless control of a reluctance synchronous machine in the whole speed range without voltage pulse injections. , 2017, , . | | 19 |
| 3 | Advantages of PM-machines compared to induction machines in terms of efficiency and sensorless control in traction applications. , 2011, , . | | 18 |
| 4 | On the Historical Development and Future Prospects of Various Types of Electric Mobility. Energies, 2021, 14, 1070. | 3.1 | 15 |
| 5 | Decoupled control of an active magnetic bearing system for a high gyroscopic rotor. , 2015, , . | | 13 |
| 6 | Control of Active Magnetic Bearings in Turbomolecular Pumps for Rotors with Low Resonance Frequencies of the Blade Wheel. Lubricants, 2017, 5, 26. | 2.9 | 10 |
| 7 | Stabilization of Active Magnetic Bearing Systems in the Case of Defective Sensors. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3672-3682. | 5.8 | 10 |
| 8 | Comparison of PM-machines with ferrite and NdFeB magnets in terms of machine performance and sensorless start-up control. , 2013, , . | | 7 |
| 9 | Control of magnetically levitated rotors using stabilizing effects of gyroscopes. Mechanical Systems and Signal Processing, 2022, 166, 108431. | 8.0 | 6 |
| 10 | Selfsensing unbalance rejection and reduction of the gyroscopic effect for an active magnetic bearing system. , 2015, , . | | 5 |
| 11 | Design and sensorless control of a reluctance synchronous machine for a magnetically levitated drive. , 2015, , . | | 4 |
| 12 | Comparative analysis of salient pole and flux barrier rotor for synchronous reluctance machines including flux weakening range. Journal of Engineering, 2019, 2019, 4055-4059. | 1.1 | 3 |
| 13 | An Analysis of Ferrite Magnet Assisted Synchronous Reluctance Machines for Low Power Drives Including Flux Weakening. , 2019, , . | | 3 |
| 14 | Design Space Analysis Including Experimental Verification for an Electrical Machine Based on a Parametric and Functional IPMSM Model. IEEE Transactions on Industrial Electronics, 2021, 68, 7863-7873. | 7.9 | 3 |
| 15 | Control of a flexible magnetic levitated rotor using the computed torque method in combination with stabilizing filters. , 2016, , . | | 2 |
| 16 | Space Vector Modulation Strategies for Self-Sensing Three-Phase Radial Active Magnetic Bearings. Actuators, 2019, 8, 41. | 2.3 | 2 |
| 17 | Saliency-Based Position Sensorless Control of a Heavily Cross-Saturated PMSM. , 2021, , . | | 2 |
| 18 | Fully position sensorless control of a magnetically levitated Reluctance Synchronous Machine by three phase active magnetic bearings. , 2015, , . | | 1 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | An Efficiency Analysis of a Salient Pole and a Flux Barrier Synchronous Reluctance Machine including Flux Weakening. , 2019, , . | | 1 |
| 20 | An Efficiency Analysis of a Ferrite Magnet assisted Synchronous Reluctance Machine for Low Power Drives including Flux Weakening. , 2020, , . | | 1 |
| 21 | Stability- and Sensitivity-Analysis of a Sensorless Controlled Synchronous Reluctance Machine using the Back-EMF Model. , 2020, , . | | 1 |
| 22 | Investigation of inverter-based losses and magnet-temperatures of a 1 MVA permanent magnet synchronous generator via a 25 kVA physical model. Elektrotechnik Und Informationstechnik, 2015, 132, 3-10. | 1.1 | 0 |
| 23 | Reduction of the 6th and 12th Harmonic in the Torque Ripple of a Salient Pole Synchronous Reluctance Machine. , 2019, , . | | 0 |
| 24 | Mechanical Field Weakening of a Multi-Rotor Permanent Magnet Synchronous Machine. , 2020, , . | | 0 |