# Rastko FiÅ¡er

List of Publications by Year
in descending order

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|---|---|---|---|
| 30<br>papers | 353<br>citations | 1163117<br>8<br>h-index | 1199594<br>12<br>g-index |
| 30<br>all docs | 30<br>docs citations | 30<br>times ranked | 381<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Additional Cogging Torque Components in Permanent-Magnet Motors Due to Manufacturing Imperfections. IEEE Transactions on Magnetics, 2009, 45, 1210-1213. | 2.1 | 123 |
| 2 | Detection of Broken Bars in Induction Motor Through the Analysis of Supply Voltage Modulation. IEEE Transactions on Industrial Electronics, 2010, 57, 2879-2888. | 7.9 | 53 |
| 3 | Fast and Accurate Model of Interior Permanent-Magnet Machine for Dynamic Characterization. Energies, 2019, 12, 783. | 3.1 | 32 |
| 4 | Induction Motor Broken Rotor Bar Detection Based on Rotor Flux Angle Monitoring. Energies, 2019, 12, 794. | 3.1 | 18 |
| 5 | Intensity of the native and additional harmonic components in cogging torque due to design parameters of permanent-magnet motors. , 2009, , . | | 15 |
| 6 | Impact of manufacturing imperfections on cogging torque level in PMSM. , 2011, , . | | 13 |
| 7 | Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults. IEEE Transactions on Magnetics, 2013, 49, 2303-2306. | 2.1 | 13 |
| 8 | Cogging torque sensitivity to permanent magnet tolerance combinations. Archiwum Elektrotechniki, 2013, 62, 449-461. | 0.5 | 11 |
| 9 | Native and Additional Cogging Torque Components of PM Synchronous Motorsâ€”Evaluation and Reduction. Automatika, 2010, 51, 157-165. | 2.0 | 10 |
| 10 | Modeling, analysis and detection of rotor field winding faults in synchronous generators. , 2010, , . | | 10 |
| 11 | Phenomena of additional cogging torque components influenced by stator lamination stacking methods in PM motors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 682-690. | 0.9 | 9 |
| 12 | Simplified detection of broken rotor bars in induction motors controlled in field reference frame. Control Engineering Practice, 2012, 20, 761-769. | 5.5 | 6 |
| 13 | Analysis of Equivalent Inductance of Three-phase Induction Motors in the Switching Frequency Range. Electronics (Switzerland), 2019, 8, 120. | 3.1 | 6 |
| 14 | Dynamic model of induction machine with faulty cage in rotor reference frame. , 2011, , . | | 5 |
| 15 | Additional cogging torque components due to asymmetry in stator back iron of PM synchronous motors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 894-905. | 0.9 | 5 |
| 16 | Detection of Broken Bars in Induction Motor through the Analysis of Voltage Modulation. , 2006, , . | | 4 |
| 17 | An Improved Design of Synthetic Loading Method for a Rapid In-Wheel Motor Characterization in Different Operating Points. IEEE Transactions on Transportation Electrification, 2021, 7, 2562-2575. | 7.8 | 4 |
| 18 | Novel approach to closed-loop control of wire bending machine. , 2011, , . | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dynamic model of induction machine with faulty rotor in field reference frame. , 2013, , . | | 3 |
| 20 | Estimation of parameters of induction motor with broken rotor bars. , 2011, , . | | 2 |
| 21 | Induction motor parameters in case of rotor electrical asymmetry. , 2013, , . | | 2 |
| 22 | Fundamental PMSM model for estimation of cogging torque harmonic components. , 2011, , . | | 1 |
| 23 | Rotor fault diagnosis in induction motors using S-Transform. , 2012, , . | | 1 |
| 24 | Influence of broken rotor bars on magnetic quantities in induction machine. , 2013, , . | | 1 |
| 25 | Assessment of electrical energy production in small hydropower plant with ultra-low head. , 2013, , . | | 1 |
| 26 | Efficient testing of electric drive components on a test bed with energy recuperation. , 2015, , . | | 1 |
| 27 | Energy Efficiency Assessment of Variable Speed Pump Drive in Industrial Cooling System. , 2020, , . | | 1 |
| 28 | Flux Balance Assurance in Output Transformers of Sine-Wave Inverters Using DC Autonulling Control Principle. , 2006, , . | | 0 |
| 29 | Flux Linkages in Squirrel-Cage Motor. , 2015, , . | | 0 |
| 30 | Estimation of Induction Motorâ€™s Rotor Time Constants for Diagnostic Purposes. , 2019, , . | | 0 |