

Tahar Hamiti

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Non-linear circuit based model of permanent magnet synchronous machine under inter-turn fault: a simple approach based on healthy machine data. IET Electric Power Applications, 2016, 10, 560-570. | 1.8 | 16 |
| 2 | High-Speed Solid Rotor Permanent Magnet Machines: Concept and Design. IEEE Transactions on Transportation Electrification, 2016, 2, 391-400. | 7.8 | 53 |
| 3 | Impact of Slot/Pole Combination on Inter-Turn Short-Circuit Current in Fault-Tolerant Permanent Magnet Machines. IEEE Transactions on Magnetics, 2016, 52, 1-9. | 2.1 | 30 |
| 4 | Modeling and analysis of eddy current losses in permanent magnet machines with multi-stranded bundle conductors. Mathematics and Computers in Simulation, 2016, 130, 48-56. | 4.4 | 3 |
| 5 | Solid rotor interior permanent magnet machines for high speed applications. , 2015, , . | | 3 |
| 6 | A review on turn-turn short circuit fault management. , 2015, , . | | 11 |
| 7 | Demagnetization Analysis for Halbach Array Configurations in Electrical Machines. IEEE Transactions on Magnetics, 2015, 51, 1-9. | 2.1 | 54 |
| 8 | Turn-turn short circuit fault management in permanent magnet machines. IET Electric Power Applications, 2015, 9, 634-641. | 1.8 | 26 |
| 9 | Fast computing tool for performance evaluation in Interior Permanent Magnet machines. , 2014, , . | | 1 |
| 10 | Analysis of Vertical Strip Wound Fault-Tolerant Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2014, 61, 1158-1168. | 7.9 | 61 |
| 11 | Comparative design analysis of Permanent Magnet rotor topologies for an aircraft starter-generator. , 2014, , . | | 17 |
| 12 | Winding concepts for ultra reliable electrical machines. , 2014, , . | | 4 |
| 13 | Estimation of Eddy Current Loss in Semi-Closed Slot Vertical Conductor Permanent Magnet Synchronous Machines Considering Eddy Current Reaction Effect. IEEE Transactions on Magnetics, 2013, 49, 5326-5335. | 2.1 | 35 |
| 14 | Modeling of Different Winding Configurations for Fault-Tolerant Permanent Magnet Machines to Restrain Interturn Short-Circuit Current. IEEE Transactions on Energy Conversion, 2012, 27, 351-361. | 5.2 | 69 |
| 15 | Fault tolerant winding design — A compromise between losses and fault tolerant capability. , 2012, , . | | 13 |
| 16 | Feasibility and electromagnetic design of direct drive wheel actuator for green taxiing. , 2011, , . | | 31 |
| 17 | Weight optimisation of a surface mount permanent magnet synchronous motor using genetic algorithms and a combined electromagnetic-thermal co-simulation environment. , 2011, , . | | 13 |
| 18 | Modeling of a synchronous reluctance machine accounting for space harmonics in view of torque ripple minimization. Mathematics and Computers in Simulation, 2010, 81, 354-366. | 4.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A Simple and Efficient Tool for Design Analysis of Synchronous Reluctance Motor. IEEE Transactions on Magnetics, 2008, 44, 4648-4652. | 2.1 | 16 |
| 20 | Comparison Between Finite-Element Analysis and Winding Function Theory for Inductances and Torque Calculation of a Synchronous Reluctance Machine. IEEE Transactions on Magnetics, 2007, 43, 3406-3410. | 2.1 | 104 |