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Chapter 1

Introduction

This document is a collection of some of the papers and PhD dissertations published along the years, during SyR-e development. In general, it is possible to access to the papers and dissertation through the IRIS portal at https://iris.polito.it/.



Chapter 2

List of Published Papers

- [1] G. Pellegrino and F. Cupertino, "FEA-based multi-objective optimization of IPM motor design including rotor losses," 2010 IEEE Energy Conversion Congress and Exposition, Atlanta, GA, 2010, pp. 3659-3666. Available here
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- [12] M. Gamba, G. Pellegrino, E. Armando and S. Ferrari, "Synchronous reluctance motor with concentrated windings for IE4 efficiency," 2017 IEEE Energy Conversion Congress and Exposition (ECCE), Cincinnati, OH, 2017, pp. 3905-3912. Available here
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- [14] S. Ferrari and G. Pellegrino, "FEA-Augmented Design Equations for Synchronous Reluctance Machines," 2018 IEEE Energy Conversion Congress and Exposition (ECCE), Portland, OR, 2018, pp. 5395-5402. Available here
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- [23] G. Dilevrano, P. Ragazzo, S. Ferrari, G. Pellegrino and T. Burress, "Magnetic, Thermal and Structural Scaling of Synchronous Machines," 2022 IEEE Energy Conversion Congress and Expo (ECCE), Detroit, MI, 2022



Chapter 3

List of Published PhD Thesis

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- [3] S. Ferrari, "Design, Analysis and Testing Procedures for Synchronous Reluctance and Permanent Magnet Machines", Politecnico di Torino, 2020. Available here