

# Francisco J MÃ¡rquez-FernÃ¡ndez

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

190  
citations

1684188

5  
h-index

1588992

8  
g-index

20  
all docs

20  
docs citations

20  
times ranked

187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of Electric Powertrains Based on Scalable Cost and Performance Models. IEEE Transactions on Industry Applications, 2019, 55, 751-764.	4.9	21
2	Heat transfer analysis of a traction machine with directly cooled laminated windings. , 2014, , .		17
3	Dynamic charging solutions in Sweden: An overview. , 2017, , .		17
4	Electric roads: Reducing the societal cost of automotive electrification. , 2017, , .		16
5	Assessment of Future EV Charging Infrastructure Scenarios for Long-Distance Transport in Sweden. IEEE Transactions on Transportation Electrification, 2022, 8, 615-626.	7.8	15
6	Dynamic thermal modeling and application of electrical machine in hybrid drives. , 2014, , .		14
7	Electric Roads: Analyzing the Societal Cost of Electrifying All Danish Road Transport. World Electric Vehicle Journal, 2018, 9, 9.	3.0	14
8	Using Multi-Agent Transport Simulations to Assess the Impact of EV Charging Infrastructure Deployment. , 2019, , .		14
9	Experimental Validation of a Thermal Model for High-Speed Switched Reluctance Machines for Traction Applications. IEEE Transactions on Industry Applications, 2018, 54, 3235-3244.	4.9	12
10	Dynamic Magnetic Model Identification of Permanent Magnet Synchronous Machines. IEEE Transactions on Energy Conversion, 2017, 32, 1367-1375.	5.2	10
11	Impacts of vehicle fleet electrification in Sweden – a simulation-based assessment of long-distance trips. , 2019, , .		10
12	Electric roads: The importance of sharing the infrastructure among different vehicle types. , 2017, , .		9
13	Electric Drivetrain Optimization for a Commercial Fleet with Different Degrees of Electrical Machine Commonality. Energies, 2021, 14, 2989.	3.1	5
14	Dynamic testing characterization of a HEV traction motor. , 2014, , .		4
15	Measuring electric properties of a conductive electric road. , 2021, , .		4
16	Electric Safety Challenges with a Conductive Electric Road System – Chassis Potential Modeling and Measurement. World Electric Vehicle Journal, 2019, 10, 30.	3.0	3
17	Thermal Modeling and Analysis of an Alternating Short-Segmented Conductive ERS. IEEE Transactions on Transportation Electrification, 2019, 5, 1078-1086.	7.8	3
18	Redesign of an Electrical Rear Wheel Drive (E-RWD) for a hybrid vehicle in a given drive cycle. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Thermal Assessment of an ERS for Static Charging of Electric Vehicles. , 2019, , .		0
20	Automatic static charging of electric distribution vehicles using ERS technology. , 2020, , .		0