Mattia Morandin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11006570/publications.pdf

Version: 2024-02-01

35	505	1162367 8	1372195 10
papers	citations	h-index	g-index

35	35	35	458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Proprieties of the Differential Cross-Saturation Inductance in Synchronous Machines. IEEE Transactions on Industry Applications, 2017, 53, 991-1000.	3.3	57
2	Test bench for emulating a variety of salient rotor electrical propulsion machines with a single permanentâ€magnet synchronous machine drive. IET Electrical Systems in Transportation, 2017, 7, 55-64.	1.5	3
3	The crowded axis of the frequency: Optimal pole/zero allocation for a full speed sensorless synchronous motor drives. , 2016, , .		6
4	D-axis polarity detection for IPM synchronous motor drives by high frequency voltage injection. , 2016, , .		6
5	Design and Analysis of a Novel High-Torque Stator-Segmented SRM. IEEE Transactions on Industrial Electronics, 2016, 63, 1458-1466.	5.2	71
6	Traction PMASR Motor Optimization According to a Given Driving Cycle. IEEE Transactions on Industry Applications, 2016, 52, 209-216.	3.3	104
7	On the proprieties of the differential cross-saturation inductance in synchronous machines. , 2015, , .		10
8	An Integrated Starter-Alternator Based on a Sensorless Synchronous Reluctance Machine Drive. , 2015, , .		7
9	An SPM Motor Drive Dressed as IPM Motor Drive for a Flexible Test Bench of Salient Rotor Propulsion Machines. , 2015, , .		0
10	Integrated Starterâ€“Alternator With Sensorless Ringed-Pole PM Synchronous Motor Drive. IEEE Transactions on Industry Applications, 2015, 51, 1485-1493.	3.3	16
11	Active Torque Damping for an ICE-Based Domestic CHP System With an SPM Machine Drive. IEEE Transactions on Industry Applications, 2015, 51, 3137-3146.	3.3	16
12	Electric waterborne public transportation in venice: A case study. , 2015, , .		2
13	Power-Train Design and Performance of a Hybrid Motorcycle Prototype. IEEE Transactions on Industry Applications, 2015, 51, 2216-2226.	3.3	20
14	Analysis and Tests of the Sensorless Rotor Position Detection of Ringed-Pole Permanent-Magnet Motor. IEEE Transactions on Industry Applications, 2014, 50, 3278-3284.	3.3	13
15	A test bench for hybrid propulsion train research and development. , 2014, , .		4
16	A robust integrated starter/alternator drive adopting a synchronous reluctance machine for automotive applications. , 2014, , .		12
17	Finite-Element Analysis of Electrical Machines for Sensorless Drives With High-Frequency Signal Injection. IEEE Transactions on Industry Applications, 2014, 50, 1871-1879.	3.3	28
18	PM synchronous machine comparison for light electric vehicles. , 2014, , .		9

#	Article	IF	Citations
19	Optimization of a traction PMASR motor according to a given driving cycle. , 2014, , .		13
20	Outer rotor IPM generator with wide constant power region for automotive applications. , 2014, , .		5
21	Bidirectional PMSM drive employing a three level ANPC inverter and a multi-phase interleaved DC/DC converter for hybrid electric vehicles. , 2014, , .		2
22	Different torque damping by a constant speed SPM machine drive in domestic cogeneration system. , 2013, , .		4
23	Integrated-Starter/Alternator with sensorless ringed-pole PM synchronous motor drive. , 2013, , .		2
24	Design and performance of a power train for mild-hybrid motorcycle prototype. , 2013, , .		4
25	Formula SAE electric competition: Electrical motor design. , 2013, , .		11
26	Torque and Power Rating of a Wind-Power PM Generator Drive for Maximum Profit-to-Cost Ratio. IEEE Transactions on Industry Applications, 2013, 49, 866-872.	3.3	7
27	Nano-CHP for home application: Control and electric drive design. , 2012, , .		4
28	Small-signal finite-element modeling of synchronous machines for sensorless applications. , 2012, , .		13
29	Mild hybrid motorcycles: Choice of the energy storage system. , 2012, , .		3
30	Finite-element analysis of electrical machines for sensorless drives with signal injection. , 2012, , .		13
31	Mild-hybrid traction system based on a bidirectional half-bridge interleaved converter and a three-level active NPC inverter-fed PMSM. , 2012, , .		6
32	Optimal drive and machine sizing for a self starting, vertical axis, low power wind generator. , 2012, , .		1
33	Analysis and tests of the sensorless rotor position detection of ringed-pole PM motor. , 2012, , .		7
34	Torque/power rating design of an IPM machine for maximum profit-to-cost ratio in wind power generation. , 2011, , .		6
35	Outer-rotor ringed-pole SPM starter-alternator suited for sensorless drives. , 2011, , .		20