

Mattia Morandin

List of Publications by Year in descending order

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35
papers

505
citations

1162367

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h-index

1372195

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g-index

35
all docs

35
docs citations

35
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Traction PMASR Motor Optimization According to a Given Driving Cycle. IEEE Transactions on Industry Applications, 2016, 52, 209-216.	3.3	104
2	Design and Analysis of a Novel High-Torque Stator-Segmented SRM. IEEE Transactions on Industrial Electronics, 2016, 63, 1458-1466.	5.2	71
3	On the Proprieties of the Differential Cross-Saturation Inductance in Synchronous Machines. IEEE Transactions on Industry Applications, 2017, 53, 991-1000.	3.3	57
4	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
5	Outer-rotor ringed-pole SPM starter-alternator suited for sensorless drives. , 2011, , .		20
6	Power-Train Design and Performance of a Hybrid Motorcycle Prototype. IEEE Transactions on Industry Applications, 2015, 51, 2216-2226.	3.3	20
7	Integrated Starter-Alternator With Sensorless Ringed-Pole PM Synchronous Motor Drive. IEEE Transactions on Industry Applications, 2015, 51, 1485-1493.	3.3	16
8	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
9	Small-signal finite-element modeling of synchronous machines for sensorless applications. , 2012, , .		13
10	Finite-element analysis of electrical machines for sensorless drives with signal injection. , 2012, , .		13
11	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
12	Optimization of a traction PMASR motor according to a given driving cycle. , 2014, , .		13
13	A robust integrated starter/alternator drive adopting a synchronous reluctance machine for automotive applications. , 2014, , .		12
14	Formula SAE electric competition: Electrical motor design. , 2013, , .		11
15	On the proprieties of the differential cross-saturation inductance in synchronous machines. , 2015, , .		10
16	PM synchronous machine comparison for light electric vehicles. , 2014, , .		9
17	Analysis and tests of the sensorless rotor position detection of ringed-pole PM motor. , 2012, , .		7
18	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

#	ARTICLE	IF	CITATIONS
19	An Integrated Starter-Alternator Based on a Sensorless Synchronous Reluctance Machine Drive. , 2015, , .		7
20	Torque/power rating design of an IPM machine for maximum profit-to-cost ratio in wind power generation. , 2011, , .		6
21	Mild-hybrid traction system based on a bidirectional half-bridge interleaved converter and a three-level active NPC inverter-fed PMSM. , 2012, , .		6
22	The crowded axis of the frequency: Optimal pole/zero allocation for a full speed sensorless synchronous motor drives. , 2016, , .		6
23	D-axis polarity detection for IPM synchronous motor drives by high frequency voltage injection. , 2016, , .		6
24	Outer rotor IPM generator with wide constant power region for automotive applications. , 2014, , .		5
25	Nano-CHP for home application: Control and electric drive design. , 2012, , .		4
26	Different torque damping by a constant speed SPM machine drive in domestic cogeneration system. , 2013, , .		4
27	Design and performance of a power train for mild-hybrid motorcycle prototype. , 2013, , .		4
28	A test bench for hybrid propulsion train research and development. , 2014, , .		4
29	Mild hybrid motorcycles: Choice of the energy storage system. , 2012, , .		3
30	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
31	Integrated-Starter/Alternator with sensorless ringed-pole PM synchronous motor drive. , 2013, , .		2
32	Bidirectional PMSM drive employing a three level ANPC inverter and a multi-phase interleaved DC/DC converter for hybrid electric vehicles. , 2014, , .		2
33	Electric waterborne public transportation in venice: A case study. , 2015, , .		2
34	Optimal drive and machine sizing for a self starting, vertical axis, low power wind generator. , 2012, , .		1
35	An SPM Motor Drive Dressed as IPM Motor Drive for a Flexible Test Bench of Salient Rotor Propulsion Machines. , 2015, , .		0