

Gheorghe-Daniel Andreescu

List of Publications by Citations

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46
papers

1,049
citations

15
h-index

32
g-index

53
ext. papers

1,412
ext. citations

3.6
avg, IF

4.37
L-index

#	Paper	IF	Citations
46	Active Flux Concept for Motion-Sensorless Unified AC Drives. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 2612-2618	7.2	190
45	Combined Flux Observer With Signal Injection Enhancement for Wide Speed Range Sensorless Direct Torque Control of IPMSM Drives. <i>IEEE Transactions on Energy Conversion</i> , 2008 , 23, 393-402	5.4	139
44	Active Flux-DTFC-SVM Sensorless Control of IPMSM. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 314-322	5.4	95
43	Sliding-mode observer and improved integrator with DC-offset compensation for flux estimation in sensorless-controlled induction motors. <i>IEEE Transactions on Industrial Electronics</i> , 2006 , 53, 785-794	8.9	92
42	Bidirectional Power Flow Control in a DC Microgrid Through a Switched-Capacitor Cell Hybrid DC/DC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3012-3022	8.9	68
41	Sensorless V/f control of high-speed surface permanent magnet synchronous motor drives with two novel stabilising loops for fast dynamics and robustness. <i>IET Electric Power Applications</i> , 2010 , 4, 149	1.8	56
40	Very low speed performance of active flux based sensorless control: interior permanent magnet synchronous motor vector control versus direct torque and flux control. <i>IET Electric Power Applications</i> , 2009 , 3, 551	1.8	43
39	DTFC-SVM motion-sensorless control of a PM-assisted reluctance synchronous machine as starter-alternator for hybrid electric vehicles. <i>IEEE Transactions on Power Electronics</i> , 2006 , 21, 711-719	7.2	43
38	Motion-Sensorless Control of BLDC-PM Motor With Offline FEM-Information-Assisted Position and Speed Observer. <i>IEEE Transactions on Industry Applications</i> , 2012 , 48, 1950-1958	4.3	42
37	I-F starting method with smooth transition to EMF based motion-sensorless vector control of PM synchronous motor/generator. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008 ,		41
36	Stable V/f control system with controlled power factor angle for permanent magnet synchronous motor drives. <i>IET Electric Power Applications</i> , 2013 , 7, 278-286	1.8	37
35	PLL Position and Speed Observer With Integrated Current Observer for Sensorless PMSM Drives. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 5990-5999	8.9	19
34	Voltage Sags Ride-Through of Motion Sensorless Controlled PMSG for Wind Turbines. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society)</i> , 2007 ,		19
33	Active flux based motion-sensorless vector control of DC-excited synchronous machines 2009 ,		18
32	BEGA Starter/Alternator Vector Control Implementation and Performance for Wide Speed Range at Unity Power Factor Operation. <i>IEEE Transactions on Industry Applications</i> , 2010 , 46, 150-158	4.3	17
31	Adaptive Observer for Sensorless Control of Permanent Magnet Synchronous Motor Drives. <i>Electric Power Components and Systems</i> , 2002 , 30, 107-119	1	14
30	Stable V/f control system with unity power factor for PMSM drives 2012 ,		11

29	Active-Flux-Based Motion-Sensorless Vector Control of Biaxial Excitation Generator/Motor for Automobiles. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 812-819	4.3	11
28	2010,		9
27	Comparison of modified Smith predictor and PID controller tuned by genetic algorithms for greenhouse climate control 2014,		7
26	Step-Down Switched-Inductor Hybrid DC-DC Converter for Small Power Wind Energy Conversion Systems With Hybrid Storage. <i>IEEE Access</i> , 2020 , 8, 136092-136107	3.5	7
25	Practical Wide-speed-range Sensorless Control System for Permanent Magnet Reluctance Synchronous Motor Drives via Active Flux Model. <i>Electric Power Components and Systems</i> , 2014 , 42, 91-102		6
24	2012,		6
23	Wide speed range sensorless control of PM-RSM via Active flux model 2009,		6
22	Motion sensorless control of BLDC PM motor with offline FEM info assisted state observer 2010,		5
21	Two Sliding Mode Based Observers for Sensorless Control of PMSM Drives. <i>Electric Power Components and Systems</i> , 2002 , 30, 121-133	1	5
20	IPMSM motion-sensorless direct torque and flux control 2005,		4
19	V/f control strategy with constant power factor for SPMSM drives, with experiments 2013,		3
18	Integrated starter-alternator control system for automotive 2013,		3
17	Employing 2DoF PID controllers to improve greenhouse climate system robustness 2013,		3
16	Novel motion sensorless control of single phase brushless D.C. PM motor drive, with experiments 2010,		3
15	SCADA system for a central heating and power plant 2009,		3
14	SCADA automation system laboratory, elements and applications 2009,		3
13	Novel motion sensorless control of high-speed small-power surface mount PMSM drives: With experiments 2008,		3
12	GREENHOUSE ENVIRONMENT MONITORING AND CONTROL: STATE OF THE ART AND CURRENT TRENDS. <i>Environmental Engineering and Management Journal</i> , 2018 , 17, 399-416	0.6	3

11	Enhancement sensorless control system for PMSM drives using square-wave signal injection 2010 ,		2
10	Improved state observers for sensorless single phase BLDC-PM motor drives 2010 ,		2
9	Active-flux based motion sensorless vector control of biaxial excitation generator/motor for automobiles (BEGA) 2009 ,		2
8	New State Observers and Sensorless Control of Wound Rotor Induction Generator (WRIG) at Power Grid with Experimental Characterization. <i>Industrial Electronics Society (IECON), Annual Conference of IEEE</i> , 2006 ,		2
7	Automotive Dead-Reckoning Navigation System Based on Vehicle Speed and YAW Rate 2018 ,		2
6	Self-commissioning of electrical parameters for PMSM in sensorless drives 2015 ,		1
5	FEM assisted position and speed observer for BLDC PM motor drive sensorless control, with experiments 2010 ,		1
4	Boiler-turbine simulator with real-time capability for dispatcher training using LabView 2010 ,		1
3	V/f with Stabilizing Loops and MTPA versus Sensorless FOC for PMSM Drives. <i>Electric Power Components and Systems</i> , 2020 , 48, 1197-1210	1	1
2	Modeling and Simulation of Hearing with Cochlear Implants: A Proposed Method for Better Auralization. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 753-767	0.4	0
1	Alternative Energy II 2011 , 930-939		