

Gheorghe-Daniel Andreescu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
45	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
44	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
43	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
42	Automotive Dead-Reckoning Navigation System Based on Vehicle Speed and YAW Rate 2018 ,		2
41	Bidirectional Power Flow Control in a DC Microgrid Through a Switched-Capacitor Cell Hybrid DCDC Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 3012-3022	8.9	68
40	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
39	Self-commissioning of electrical parameters for PMSM in sensorless drives 2015 ,		1
38	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
37	Comparison of modified Smith predictor and PID controller tuned by genetic algorithms for greenhouse climate control 2014 ,		7
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	V/f control strategy with constant power factor for SPMSM drives, with experiments 2013 ,		3
34	Integrated starter-alternator control system for automotive 2013 ,		3
33	Employing 2DoF PID controllers to improve greenhouse climate system robustness 2013 ,		3
32	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
31	Stable V/f control system with unity power factor for PMSM drives 2012 ,		11
30	2012 ,		6

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	Alternative Energy II 2011 , 930-939		
27	Novel motion sensorless control of single phase brushless D.C. PM motor drive, with experiments 2010 ,		3
26	FEM assisted position and speed observer for BLDC PM motor drive sensorless control, with experiments 2010 ,		1
25	Motion sensorless control of BLDC PM motor with offline FEM info assisted state observer 2010 ,		5
24	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
23	Enhancement sensorless control system for PMSM drives using square-wave signal injection 2010 ,		2
22	2010 ,		9
21	Improved state observers for sensorless single phase BLDC-PM motor drives 2010 ,		2
20	Boiler-turbine simulator with real-time capability for dispatcher training using LabView 2010 ,		1
19	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
18	Active-flux based motion sensorless vector control of biaxial excitation generator/motor for automobiles (BEGA) 2009 ,		2
17	Active flux based motion-sensorless vector control of DC-excited synchronous machines 2009 ,		18
16	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
15	Active Flux DTFC-SVM Sensorless Control of IPMSM. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 314-322	5-4	95
14	Wide speed range sensorless control of PM-RSM via Active flux model 2009 ,		6
13	SCADA system for a central heating and power plant 2009 ,		3
12	SCADA automation system laboratory, elements and applications 2009 ,		3

11	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, 2008,</i>		41
10	Combined Flux Observer With Signal Injection Enhancement for Wide Speed Range Sensorless Direct Torque Control of IPMSM Drives. <i>IEEE Transactions on Energy Conversion, 2008, 23, 393-402</i>	5.4	139
9	Active Flux Concept for Motion-Sensorless Unified AC Drives. <i>IEEE Transactions on Power Electronics, 2008, 23, 2612-2618</i>	7.2	190
8	Novel motion sensorless control of high-speed small-power surface mount PMSM drives: With experiments 2008,		3
7	Voltage Sags Ride-Through of Motion Sensorless Controlled PMSG for Wind Turbines. <i>Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007,</i>		19
6	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, 2006,</i>		2
5	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, 2006, 21, 711-719</i>	7.2	43
4	Sliding-mode observer and improved integrator with DC-offset compensation for flux estimation in sensorless-controlled induction motors. <i>IEEE Transactions on Industrial Electronics, 2006, 53, 785-794</i>	8.9	92
3	IPMSM motion-sensorless direct torque and flux control 2005,		4
2	Adaptive Observer for Sensorless Control of Permanent Magnet Synchronous Motor Drives. <i>Electric Power Components and Systems, 2002, 30, 107-119</i>	1	14
1	Two Sliding Mode Based Observers for Sensorless Control of PMSM Drives. <i>Electric Power Components and Systems, 2002, 30, 121-133</i>	1	5