

Petr Blaha

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

360
citations

1684188

5
h-index

2053705

5
g-index

20
all docs

20
docs citations

20
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	AC Drive Observability Analysis. IEEE Transactions on Industrial Electronics, 2013, 60, 3047-3059.	7.9	120
2	Lyapunov-function-based flux and speed observer for AC induction motor sensorless control and parameters estimation. IEEE Transactions on Industrial Electronics, 2006, 53, 138-145.	7.9	70
3	Synchronous Reluctance Motor Parameter and State Estimation Using Extended Kalman Filter and Current Derivative Measurement. IEEE Transactions on Industrial Electronics, 2021, 68, 1972-1981.	7.9	37
4	Describing function approximation of a two-relay system configuration with application to Coulomb friction identification. Control Engineering Practice, 2002, 10, 655-668.	5.5	30
5	Interior permanent magnet synchronous machine field weakening control strategy - the analytical solution. , 2008, , .		24
6	PMSM model discretization for Model Predictive Control algorithms. , 2013, , .		16
7	Disc inverter in highly integrated 9-phase drivetrain for E-mobility. , 2015, , .		13
8	Synchronous machine drive observability analysis and sensorless control design. , 2008, , .		11
9	Field weakening in PMSM model based predictive control. , 2010, , .		10
10	Synchronous Machine Drive Observability Analysis for Sensorless Control Design. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	6
11	Speed Estimation Scheme for Small AC Induction Machine Sensorless Control. , 2007, , .		4
12	AC induction motor control using robust current controllers. , 2011, , .		4
13	Enhanced discrete time model for AC induction machine model predictive control. , 2012, , .		4
14	Analysis of Observability Conditions for AC Induction Machine Sensorless Control. , 2007, , .		3
15	Rapid prototyping of robust motor control algorithms on freescale targets. , 2013, , .		3
16	Lyapunov function based design of PMSM state observer for sensorless control. , 2009, , .		2
17	Field weakening implementation in AC induction machine predictive control. , 2011, , .		2
18	Adaptive deadbeat current controllers for AC induction motor control. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	Relay Feedback Experiment for Coulomb Friction Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 295-300.	0.4	0
20	Predictive direct stator flux control algorithm of AC induction motor in field weakening region. , 0, , .		0