Yasser Ibrahim-Mohamed

List of Publications by Year
in descending order

146 papers	10,089 citations	25014 57 h-index	34964 98 g-index
147 all docs	147 docs citations	147 times ranked	7140 citing authors

#	Article	IF	Citations
1	Energy Storage Planning for Profitability Maximization by Power Trading and Ancillary Services Participation. IEEE Systems Journal, 2022, 16, 1909-1920.	2.9	13
2	Active Damping of VSC-MTDC Grid Equipped With Interline Power Flow Controller. IEEE Access, 2022, 10, 54372-54385.	2.6	3
3	Model Predictive Control of Non-Isolated DC/DC Modular Multilevel Converter Improving the Dynamic Response. IEEE Open Journal of Power Electronics, 2022, 3, 303-316.	4.0	9
4	Assessment and Mitigation of Dynamic Instabilities in Single-Stage Grid-Connected Photovoltaic Systems With Reduced DC-Link Capacitance. IEEE Access, 2021, 9, 55522-55536.	2.6	16
5	Operation Limits of the Hybrid DC/DC Modular Multilevel Converter for HVdc Grids Connections. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4459-4469.	3.7	8
6	Fault-Tolerant Operation of the DC/DC Modular Multilevel Converter Under Submodule Failure. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6139-6151.	3.7	12
7	Grid-Connected Wind-Solar Cogeneration Using Back-to-Back Voltage-Source Converters. IEEE Transactions on Sustainable Energy, 2020, 11, 315-325.	5.9	77
8	Autonomous Coordinated Control Scheme for Cooperative Asymmetric Low-Voltage Ride-Through and Grid Support in Active Distribution Networks With Multiple DG Units. IEEE Transactions on Smart Grid, 2020, 11, 2125-2139.	6.2	14
9	New Submodule Improving Fault-Tolerant Capability of Modular Multilevel Converters. IEEE Transactions on Energy Conversion, 2020, 35, 662-671.	3.7	9
10	Investigation of Impacts of Wind Source Dynamics and Stability Options in DC Power Systems With Wind Energy Conversion Systems. IEEE Access, 2020, 8, 18270-18283.	2.6	5
11	Hybrid Deep Learning-Based Model for Wind Speed Forecasting Based on DWPT and Bidirectional LSTM Network. IEEE Access, 2020, 8, 229219-229232.	2.6	29
12	Investigation and Enhancement of Stability in Grid-Connected Converter-Based Distributed Generation Units With Dynamic Loads. IEEE Access, 2020, 8, 93426-93443.	2.6	11
13	Asymmetrical Ride-Through and Grid Support in Converter-Interfaced DG Units Under Unbalanced Conditions. IEEE Transactions on Industrial Electronics, 2019, 66, 1130-1141.	5.2	53
14	Nonâ€linear largeâ€signal stabiliser design for DC microâ€grids. IET Generation, Transmission and Distribution, 2019, 13, 1297-1304.	1.4	8
15	Mobile Energy Storage Sizing and Allocation for Multi-Services in Power Distribution Systems. IEEE Access, 2019, 7, 176613-176623.	2.6	44
16	Analysis and Enhancement of the Artificial Bus Method for Successful Low-Voltage Ride-Through and Resynchronization. IEEE Transactions on Power Systems, 2019, 34, 1729-1739.	4.6	6
17	Investigation and Enhancement of Stability in Grid-Connected Active DC Distribution Systems With High Penetration Level of Dynamic Loads. IEEE Transactions on Power Electronics, 2019, 34, 9170-9190.	5.4	25
18	Investigation and Assessment of Stabilization Solutions for DC Microgrid With Dynamic Loads. IEEE Transactions on Smart Grid, 2019, 10, 5735-5747.	6.2	26

#	Article	IF	Citations
19	Analysis and Augmented Model-Based Control Design of Distributed Generation Converters With a Flexible Grid-Support Controller. IEEE Transactions on Power Electronics, 2019, 34, 6369-6387.	5.4	13
20	Unsupervised Nonintrusive Extraction of Electrical Vehicle Charging Load Patterns. IEEE Transactions on Industrial Informatics, 2019, 15, 266-279.	7.2	38
21	Dynamic Analysis and Improved LVRT Performance of Multiple DG Units Equipped With Grid-Support Functions Under Unbalanced Faults and Weak Grid Conditions. IEEE Transactions on Power Electronics, 2018, 33, 9017-9032.	5.4	26
22	Impedance-Based Analysis and Stabilization of Active DC Distribution Systems With Positive Feedback Islanding Detection Schemes. IEEE Transactions on Power Electronics, 2018, 33, 9902-9922.	5.4	39
23	Asymmetric low-voltage ride-through scheme and dynamic voltage regulation in distributed generation units. , 2018, , .		4
24	An Online Energy Management System for a Grid-Connected Hybrid Energy Source. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2015-2030.	3.7	49
25	Voltage and Current Controllability in Multi-Microgrid Smart Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 817-826.	6.2	40
26	Dynamic Droop Control for Wind Turbines Participating in Primary Frequency Regulation in Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 5742-5751.	6.2	99
27	Cooperative Control of Wind Power Generator and Electric Vehicles for Microgrid Primary Frequency Regulation. IEEE Transactions on Smart Grid, 2018, 9, 5677-5686.	6.2	58
28	Advanced Voltage Support and Active Power Flow Control in Grid-Connected Converters Under Unbalanced Conditions. IEEE Transactions on Power Electronics, 2018, 33, 1855-1864.	5.4	82
29	Decentralized Cooperative Control for Smart DC Home With DC Fault Handling Capability. IEEE Transactions on Smart Grid, 2018, 9, 5249-5259.	6.2	7
30	Robust Droop and DC-Bus Voltage Control for Effective Stabilization and Power Sharing in VSC Multiterminal DC Grids. IEEE Transactions on Power Electronics, 2018, 33, 4373-4395.	5.4	38
31	Analysis and Mitigation of Interaction Dynamics in Active DC Distribution Systems With Positive Feedback Islanding Detection Schemes. IEEE Transactions on Power Electronics, 2018, 33, 2751-2773.	5.4	43
32	Extracting and Defining Flexibility of Residential Electrical Vehicle Charging Loads. IEEE Transactions on Industrial Informatics, 2018, 14, 448-461.	7.2	42
33	Dynamic Analysis and Improved Control Design of a Grid-Connected Converter with Flexible Multi-Sequence Reactive Current Injection. , 2018, , .		1
34	Data Lake Lambda Architecture for Smart Grids Big Data Analytics. IEEE Access, 2018, 6, 40463-40471.	2.6	75
35	Networked Control and Power Management of AC/DC Hybrid Microgrids. IEEE Systems Journal, 2017, 11, 1662-1673.	2.9	75
36	Analysis and Performance Enhancement<?Pub _newline ?> of Vector-Controlled VSC in HVDC Links Connected to Very Weak Grids. IEEE Transactions on Power Systems, 2017, 32, 684-693.	4.6	127

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37	Robust Vector Control of a Very Weak-Grid-Connected Voltage-Source Converter Considering the Phase-Locked Loop Dynamics. IEEE Transactions on Power Electronics, 2017, 32, 977-994.	5.4	149
38	Robust DC-Link Voltage Control of a Full-Scale PMSG Wind Turbine for Effective Integration in DC Grids. IEEE Transactions on Power Electronics, 2017, 32, 4021-4035.	5.4	42
39	Robust operating zones identification for energy storage day-ahead operation. Sustainable Energy, Grids and Networks, 2017, 10, 1-11.	2.3	3
40	Comparisons among Bat algorithms with various objective functions on grouping photovoltaic power patterns. Solar Energy, 2017, 144, 254-266.	2.9	7
41	Review and development of MMC employed in VSC-HVDC systems. , 2017, , .		29
42	Big data framework for analytics in smart grids. Electric Power Systems Research, 2017, 151, 369-380.	2.1	121
43	A decentralized control strategy with dc fault handling capability for smart dc buildings. , 2017, , .		0
44	Mobile Energy Storage Scheduling and Operation in Active Distribution Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 6828-6840.	5.2	132
45	Assessment and Performance Comparison of Positive Feedback Islanding Detection Methods in DC Distribution Systems. IEEE Transactions on Power Electronics, 2017, 32, 6577-6594.	5.4	57
46	Analysis and Dynamic Performance Improvement of Grid-Connected Voltage–Source Converters Under Unbalanced Network Conditions. IEEE Transactions on Power Electronics, 2017, 32, 8134-8149.	5.4	47
47	Analytical Expressions for Multiobjective Optimization of Converter-Based DG Operation Under Unbalanced Grid Conditions. IEEE Transactions on Power Electronics, 2017, 32, 7284-7296.	5.4	36
48	Analysis and Damping of Mechanical Resonance of Wind Power Generators Contributing to Frequency Regulation. IEEE Transactions on Power Systems, 2017, 32, 3195-3204.	4.6	24
49	Voltage source converter connected to very weak grids under disturbances. , 2017, , .		2
50	Robust MPC-based energy management system of a hybrid energy source for remote communities. , 2016, , .		14
51	Cloud-based visual analytics for smart grids big data. , 2016, , .		12
52	Robust MPC-based optimal sizing and energy management of a hybrid source for remote communities. , 2016, , .		0
53	Energy Management in Multi-Microgrid Systems â€" Development and Assessment. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	98
54	A Resilient Distributed Decentralized Control Framework for DC Parking Lots. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	8

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55	Optimal MPC-based energy management of multiport power electronics interface for hybrid energy sources. , 2016, , .		0
56	An Analytical Method to Obtain Maximum Allowable Grid Support by Using Grid-Connected Converters. IEEE Transactions on Sustainable Energy, 2016, 7, 1558-1571.	5.9	44
57	Dynamics and Robust Control of a Grid-Connected VSC in Multiterminal DC Grids Considering the Instantaneous Power of DC- and AC-Side Filters and DC Grid Uncertainty. IEEE Transactions on Power Electronics, 2016, 31, 1942-1958.	5.4	51
58	Photovoltaic power pattern clustering based on conventional and swarm clustering methods. Solar Energy, 2016, 124, 39-56.	2.9	41
59	A Resilient Framework for Fault-Tolerant Operation of Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2016, 63, 2669-2678.	5.2	99
60	Power Synchronization Control for Grid-Connected Current-Source Inverter-Based Photovoltaic Systems. IEEE Transactions on Energy Conversion, 2016, 31, 1023-1036.	3.7	54
61	Analysis and Mitigation of Undesirable Impacts of Implementing Frequency Support Controllers in Wind Power Generation. IEEE Transactions on Energy Conversion, 2016, 31, 174-186.	3.7	50
62	Robust Energy Management of a Hybrid Wind and Flywheel Energy Storage System Considering Flywheel Power Losses Minimization and Grid-Code Constraints. IEEE Transactions on Industrial Electronics, 2016, 63, 4242-4254.	5.2	49
63	Assessment and Enhancement of a Full-Scale PMSG-Based Wind Power Generator Performance Under Faults. IEEE Transactions on Energy Conversion, 2016, 31, 728-739.	3.7	90
64	V-I Controllability-Based Optimal Allocation of Resources in Smart Distribution Systems. IEEE Transactions on Smart Grid, 2016, 7, 1378-1388.	6.2	9
65	A Hierarchical Permutation Cyclic Coding Strategy for Sensorless Capacitor Voltage Balancing in Modular Multilevel Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 576-588.	3.7	51
66	Improved Vector Control Strategy for Current-Source Converters Connected to Very Weak Grids. IEEE Transactions on Power Systems, 2016, 31, 3238-3248.	4.6	35
67	Modeling and Design of an Oscillatory Current-Sharing Control Strategy in DC Microgrids. IEEE Transactions on Industrial Electronics, 2015, 62, 6647-6657.	5.2	75
68	Market-Oriented Energy Management of a Hybrid Wind-Battery Energy Storage System Via Model Predictive Control With Constraint Optimizer. IEEE Transactions on Industrial Electronics, 2015, 62, 6658-6670.	5.2	91
69	Multivariable Droop Control of Synchronous Current Converters in Weak Grids/Microgrids With Decoupled <italic>dq</italic>-Axes Currents. IEEE Transactions on Smart Grid, 2015, 6, 1610-1620.	6.2	77
70	A Simple Approach to Damp SSR in Series-Compensated Systems via Reshaping the Output Admittance of a Nearby VSC-Based System. IEEE Transactions on Industrial Electronics, 2015, 62, 2673-2682.	5.2	38
71	Experimental Studies on Monitoring and Metering of Radial Deformations on Transformer HV Winding Using Image Processing and UWB Transceivers. IEEE Transactions on Industrial Informatics, 2015, 11, 1334-1345.	7.2	41
72	Impedance and Damping Characteristics of Grid-Connected VSCs With Power Synchronization Control Strategy. IEEE Transactions on Power Systems, 2015, 30, 952-961.	4.6	43

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73	Assessment and performance evaluation of DC-side interactions of voltage-source inverters interfacing renewable energy systems. Sustainable Energy, Grids and Networks, 2015, 1, 28-44.	2.3	9
74	Networked-Based Hybrid Distributed Power Sharing and Control for Islanded Microgrid Systems. IEEE Transactions on Power Electronics, 2015, 30, 603-617.	5.4	121
75	Optimized Multiple Microgrid-Based Clustering of Active Distribution Systems Considering Communication and Control Requirements. IEEE Transactions on Industrial Electronics, 2015, 62, 711-723.	5.2	117
76	Analysis and Impacts of Implementing Droop Control in DFIG-Based Wind Turbines on Microgrid/Weak-Grid Stability. IEEE Transactions on Power Systems, 2015, 30, 385-396.	4.6	143
77	Bidirectional power management in hybrid AC-DC islanded microgrid system. , 2014, , .		14
78	Photovoltaic power pattern grouping based on bat bio-inspired clustering. , 2014, , .		2
79	Novel Comprehensive Control Framework for Incorporating VSCs to Smart Power Grids Using Bidirectional Synchronous-VSC. IEEE Transactions on Power Systems, 2014, 29, 943-957.	4.6	114
80	Analysis and Mitigation of Low-Frequency Instabilities in Autonomous Medium-Voltage Converter-Based Microgrids With Dynamic Loads. IEEE Transactions on Industrial Electronics, 2014, 61, 1643-1658.	5.2	159
81	Stabilization of Medium-Frequency Modes in Isolated Microgrids Supplying Direct Online Induction Motor Loads. IEEE Transactions on Smart Grid, 2014, 5, 358-370.	6.2	43
82	Integrating VSCs to Weak Grids by Nonlinear Power Damping Controller With Self-Synchronization Capability. IEEE Transactions on Power Systems, 2014, 29, 805-814.	4.6	116
83	Probabilistic Optimal Reactive Power Planning in Distribution Systems With Renewable Resources in Grid-Connected and Islanded Modes. IEEE Transactions on Industrial Electronics, 2014, 61, 5830-5839.	5.2	41
84	The reliability assessment of central photovoltaic inverter in electric power system. , 2014, , .		1
85	Variable-Structure-Based Nonlinear Control for the Master VSC in DC-Energy-Pool Multiterminal Grids. IEEE Transactions on Power Electronics, 2014, 29, 6196-6213.	5.4	22
86	Analysis and Mitigation of the Impacts of Asymmetrical Virtual Inertia. IEEE Transactions on Power Systems, 2014, 29, 2862-2874.	4.6	37
87	New Family of Microgrid Control and Management Strategies in Smart Distribution Gridsâ€"Analysis, Comparison and Testing. IEEE Transactions on Power Systems, 2014, 29, 2257-2269.	4.6	82
88	Robust Single-Loop Direct Current Control of LCL-Filtered Converter-Based DG Units in Grid-Connected and Autonomous Microgrid Modes. IEEE Transactions on Power Electronics, 2014, 29, 5605-5619.	5.4	69
89	DG Mix, Reactive Sources and Energy Storage Units for Optimizing Microgrid Reliability and Supply Security. IEEE Transactions on Smart Grid, 2014, 5, 1835-1844.	6.2	133
90	Active Mitigation of Subsynchronous Interactions Between PWM Voltage-Source Converters and Power Networks. IEEE Transactions on Power Electronics, 2014, 29, 121-134.	5.4	147

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91	Comprehensive Operational Planning Framework for Self-Healing Control Actions in Smart Distribution Grids. IEEE Transactions on Power Systems, 2013, 28, 4192-4200.	4.6	155
92	General Interface for Power Management of Micro-Grids Using Nonlinear Cooperative Droop Control. IEEE Transactions on Power Systems, 2013, 28, 2929-2941.	4.6	65
93	Optimum Microgrid Design for Enhancing Reliability and Supply-Security. IEEE Transactions on Smart Grid, 2013, 4, 1567-1575.	6.2	257
94	Stability analysis and control of medium-voltage micro-grids with dynamic loads. , 2013, , .		6
95	Impact of control implementations on the output impedance of voltage-sourced converters. , 2013, , .		4
96	Modeling, Analysis, and Suppression of the Impact of Full-Scale Wind-Power Converters on Subsynchronous Damping. IEEE Systems Journal, 2013, 7, 700-712.	2.9	81
97	Direct Single-Loop /spl mu/-Synthesis Voltage Control for Suppression of Multiple Resonances in Microgrids with Power-Factor Correction Capacitors. IEEE Transactions on Smart Grid, 2013, 4, 1151-1161.	6.2	39
98	Robust Multi-Objective Control of VSC-Based DC-Voltage Power Port in Hybrid AC/DC Multi-Terminal Micro-Grids. IEEE Transactions on Smart Grid, 2013, 4, 1597-1612.	6.2	108
99	Analysis and Active-Impedance-Based Stabilization of Voltage-Source-Rectifier Loads in Grid-Connected and Isolated Microgrid Applications. IEEE Transactions on Sustainable Energy, 2013, 4, 563-576.	5.9	69
100	Analysis and Active Suppression of AC- and DC-Side Instabilities in Grid-Connected Current-Source Converter-Based Photovoltaic System. IEEE Transactions on Sustainable Energy, 2013, 4, 630-642.	5.9	39
101	Introduction to the Special Section on Distributed Generation and Microgrids. IEEE Transactions on Industrial Electronics, 2013, 60, 1251-1253.	5.2	6
102	A Protection Coordination Index for Evaluating Distributed Generation Impacts on Protection for Meshed Distribution Systems. IEEE Transactions on Smart Grid, 2013, 4, 1523-1532.	6.2	127
103	A Novel and Generalized Three-Phase Power Flow Algorithm for Islanded Microgrids Using a Newton Trust Region Method. IEEE Transactions on Power Systems, 2013, 28, 190-201.	4.6	271
104	Input-output DC impedance modeling and stabilization of a grid-connected current-source converter-based PV system. , 2013, , .		0
105	New approach to damp subsynchronous resonance by reshaping the output impedance of voltage-sourced converters. , 2013, , .		1
106	Decoupled Reference-Voltage-Based Active DC-Link Stabilization for PMSM Drives With Tight-Speed Regulation. IEEE Transactions on Industrial Electronics, 2012, 59, 4523-4536.	5.2	97
107	Suppression of Interaction Dynamics in DG Converter-Based Microgrids Via Robust System-Oriented Control Approach. IEEE Transactions on Smart Grid, 2012, 3, 1800-1811.	6.2	18
108	A globally convergent trust-region method for power flow studies in active distribution systems. , 2012, , .		4

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109	Comparative study of the impact of full scale wind turbines on inter-area oscillations. , 2012, , .		4
110	A Flexible Control Strategy for Grid-Connected and Islanded Microgrids With Enhanced Stability Using Nonlinear Microgrid Stabilizer. IEEE Transactions on Smart Grid, 2012, 3, 1291-1301.	6.2	184
111	Supply-Adequacy-Based Optimal Construction of Microgrids in Smart Distribution Systems. IEEE Transactions on Smart Grid, 2012, 3, 1491-1502.	6.2	286
112	Modeling, Analysis, and Stabilization of Converter-Fed AC Microgrids With High Penetration of Converter-Interfaced Loads. IEEE Transactions on Smart Grid, 2012, 3, 1213-1225.	6.2	88
113	Smart control interface for robust operation of DG units in grid connected and Islanded modes. , 2012, , .		2
114	Robust Line-Voltage Sensorless Control and Synchronization of LCL -Filtered Distributed Generation Inverters for High Power Quality Grid Connection. IEEE Transactions on Power Electronics, 2012, 27, 87-98.	5.4	108
115	Seamless Formation and Robust Control of Distributed Generation Microgrids via Direct Voltage Control and Optimized Dynamic Power Sharing. IEEE Transactions on Power Electronics, 2012, 27, 1283-1294.	5.4	108
116	Assessment and Mitigation of Interaction Dynamics in Hybrid AC/DC Distribution Generation Systems. IEEE Transactions on Smart Grid, 2012, 3, 1382-1393.	6.2	145
117	Linear Active Stabilization of Converter-Dominated DC Microgrids. IEEE Transactions on Smart Grid, 2012, 3, 203-216.	6.2	207
118	Interactive Distributed Generation Interface for Flexible Micro-Grid Operation in Smart Distribution Systems. IEEE Transactions on Sustainable Energy, 2012, 3, 295-305.	5.9	77
119	Suppression of Low- and High-Frequency Instabilities and Grid-Induced Disturbances in Distributed Generation Inverters. IEEE Transactions on Power Electronics, 2011, 26, 3790-3803.	5.4	80
120	Mitigation of Converter-Grid Resonance, Grid-Induced Distortion, and Parametric Instabilities in Converter-Based Distributed Generation. IEEE Transactions on Power Electronics, 2011, 26, 983-996.	5.4	47
121	A Robust Natural-Frame-Based Interfacing Scheme for Grid-Connected Distributed Generation Inverters. IEEE Transactions on Energy Conversion, 2011, 26, 728-736.	3.7	42
122	Mitigation of Dynamic, Unbalanced, and Harmonic Voltage Disturbances Using Grid-Connected Inverters With LCL Filter. IEEE Transactions on Industrial Electronics, 2011, 58, 3914-3924.	5.2	75
123	Hierarchical Control System for Robust Microgrid Operation and Seamless Mode Transfer in Active Distribution Systems. IEEE Transactions on Smart Grid, 2011, 2, 352-362.	6.2	289
124	Multiobjective Shape Optimization of Segmented Pole Permanent-Magnet Synchronous Machines With Improved Torque Characteristics. IEEE Transactions on Magnetics, 2011, 47, 795-804.	1.2	85
125	Optimum Design of Tubular Permanent-Magnet Motors for Thrust Characteristics Improvement by Combined Taguchiâ€"Neural Network Approach. IEEE Transactions on Magnetics, 2010, 46, 4092-4100.	1.2	40
126	A Control Method of Grid-Connected PWM Voltage Source Inverters to Mitigate Fast Voltage Disturbances. IEEE Transactions on Power Systems, 2009, 24, 489-491.	4.6	30

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127	Adaptive Grid-Voltage Sensorless Control Scheme for Inverter-Based Distributed Generation. IEEE Transactions on Energy Conversion, 2009, 24, 683-694.	3.7	44
128	Adaptive Discrete-Time Grid-Voltage Sensorless Interfacing Scheme for Grid-Connected DG-Inverters Based on Neural-Network Identification and Deadbeat Current Regulation. IEEE Transactions on Power Electronics, 2008, 23, 308-321.	5.4	75
129	A Current Control Scheme With an Adaptive Internal Model for Torque Ripple Minimization and Robust Current Regulation in PMSM Drive Systems. IEEE Transactions on Energy Conversion, 2008, 23, 92-100.	3.7	122
130	Hybrid Variable-Structure Control With Evolutionary Optimum-Tuning Algorithm for Fast Grid-Voltage Regulation Using Inverter-Based Distributed Generation. IEEE Transactions on Power Electronics, 2008, 23, 1334-1341.	5.4	35
131	Adaptive Decentralized Droop Controller to Preserve Power Sharing Stability of Paralleled Inverters in Distributed Generation Microgrids. IEEE Transactions on Power Electronics, 2008, 23, 2806-2816.	5.4	1,088
132	A Control Scheme for PWM Voltage-Source Distributed-Generation Inverters for Fast Load-Voltage Regulation and Effective Mitigation of Unbalanced Voltage Disturbances. IEEE Transactions on Industrial Electronics, 2008, 55, 2072-2084.	5.2	107
133	Robust High Bandwidth Discrete-Time Predictive Current Control with Predictive Internal Model—A Unified Approach for Voltage-Source PWM Converters. IEEE Transactions on Power Electronics, 2008, 23, 126-136.	5.4	143
134	Design and optimum-tuning of a linear with variable-structure voltage control scheme for the distributed generation interface. , 2008, , .		0
135	A control scheme of the DG interface for fast load voltage regulation and effective mitigation of unbalanced voltage disturbances. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	1
136	An Improved Deadbeat Current Control Scheme With a Novel Adaptive Self-Tuning Load Model for a Three-Phase PWM Voltage-Source Inverter. IEEE Transactions on Industrial Electronics, 2007, 54, 747-759.	5.2	199
137	A Hybrid-Type Variable-Structure Instantaneous Torque Control With a Robust Adaptive Torque Observer for a High-Performance Direct-Drive PMSM. IEEE Transactions on Industrial Electronics, 2007, 54, 2491-2499.	5.2	32
138	A Newly Designed Instantaneous-Torque Control of Direct-Drive PMSM Servo Actuator With Improved Torque Estimation and Control Characteristics. IEEE Transactions on Industrial Electronics, 2007, 54, 2864-2873.	5.2	59
139	Direct Instantaneous Torque Control in Direct Drive Permanent Magnet Synchronous Motors—a New Approach. IEEE Transactions on Energy Conversion, 2007, 22, 829-838.	3.7	22
140	A Current Control Scheme with an Adaptive Internal Model for Robust Current Regulation and Torque Ripple Minimization in PMSM Vector Drive. , 2007, , .		13
141	Natural Adaptive Observers-Based Estimation Unit for Robust Grid-Voltage Sensorless Control Characteristics in Inverter-Based DG Units. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	9
142	A Novel Direct Instantaneous Torque and Flux Control With an ADALINE-Based Motor Model for a High Performance DD-PMSM. IEEE Transactions on Power Electronics, 2007, 22, 2042-2049.	5.4	18
143	A Novel Deadbeat Current Control Scheme with an Adaptive Self-Tuning Load Model for a Three-Phase PWM-VSI. , 2007, , .		0
144	Design and Implementation of a Robust Current-Control Scheme for a PMSM Vector Drive With a Simple Adaptive Disturbance Observer. IEEE Transactions on Industrial Electronics, 2007, 54, 1981-1988.	5.2	270

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145	Adaptive Self-Tuning Speed Control for Permanent-Magnet Synchronous Motor Drive With Dead Time. IEEE Transactions on Energy Conversion, 2006, 21, 855-862.	3.7	78
146	Adaptive Self-Tuning MTPA Vector Controller for IPMSM Drive System. IEEE Transactions on Energy Conversion, 2006, 21, 636-644.	3.7	217