

Jarno Kukkola

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Observer-Based State-Space Current Control for a Three-Phase Grid-Connected Converter Equipped With an LCL Filter. IEEE Transactions on Industry Applications, 2014, 50, 2700-2709.	3.3	90
2	Observer-Based State-Space Current Controller for a Grid Converter Equipped With an LCL Filter: Analytical Method for Direct Discrete-Time Design. IEEE Transactions on Industry Applications, 2015, 51, 4079-4090.	3.3	90
3	State Observer for Grid-Voltage Sensorless Control of a Converter Equipped With an LCL Filter: Direct Discrete-Time Design. IEEE Transactions on Industry Applications, 2016, 52, 3133-3145.	3.3	63
4	A Universal Controller for Grid-Connected Voltage-Source Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5761-5770.	3.7	60
5	State Observer for Grid-Voltage Sensorless Control of a Converter Under Unbalanced Conditions. IEEE Transactions on Industry Applications, 2018, 54, 286-297.	3.3	45
6	Plug-In Identification Method for an <i>LCL</i> Filter of a Grid Converter. IEEE Transactions on Industrial Electronics, 2018, 65, 6270-6280.	5.2	21
7	Generic PLL-Based Grid-Forming Control. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	18
8	Equivalence of the Integrator-Based and Disturbance-Observer-Based State-Space Current Controllers for Grid Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 4966-4976.	5.2	11
9	Real-Time Identification of <i>LCL</i> Filters Employed With Grid Converters. IEEE Transactions on Industry Applications, 2020, 56, 5158-5169.	3.3	10
10	Intersample Modeling of the Converter Output Admittance. IEEE Transactions on Industrial Electronics, 2021, 68, 11348-11358.	5.2	9
11	Observer-Based Current Control for Converters with an LCL Filter: Robust Design for Weak Grids. , 2018, , .		8
12	State-Space Control for <i>LCL</i> Filters: Converter Versus Grid Current Measurement. IEEE Transactions on Industry Applications, 2020, 56, 6608-6618.	3.3	8
13	State observer for sensorless control of a grid-connected converter equipped with an LCL filter: Direct discrete-time design. , 2015, , .		7
14	Real-Time Grid Impedance Estimation Using a Converter. , 2019, , .		7
15	State observer for grid-voltage sensorless control of a grid-connected converter equipped with an LCL filter. , 2014, , .		6
16	Multifunctional Cascade Control of Voltage-Source Converters Equipped With an <i>LC</i> Filter. IEEE Transactions on Industrial Electronics, 2022, 69, 2610-2620.	5.2	6
17	Permanent-Magnet Flux Adaptation for Sensorless Synchronous Motor Drives. , 2018, , .		5
18	Observer-based state-space current controller for a grid converter equipped with an LCL filter: Analytical method for direct discrete-time design in synchronous coordinates. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Parameter estimation of an LCL filter for control of grid converters. , 2015, , .		4
20	Observer-based state-space current control for a three-phase grid-connected converter equipped with an LCL filter. , 2013, , .		2
21	State Observer for Grid-Voltage Sensorless Control of a Grid-Connected Converter Equipped With an LCL Filter. EPE Journal (European Power Electronics and Drives Journal), 2015, 25, 21-28.	0.7	2
22	Method for DC-link capacitance identification in voltage-source converters. , 2016, , .		2
23	Grid-voltage sensorless control of a converter under unbalanced conditions: On the design of a state observer. , 2016, , .		1
24	Real-time Identification Method for LCL Filters Used With Grid Converters. , 2019, , .		1
25	Observers for Discrete-Time Current Control of Converters Equipped With an LCL Filter. , 2020, , .		1
26	Weak-Grid Tolerant Positive- and Negative-Sequence Current Control of Voltage-Source Converters. , 2021, , .		1
27	A Voltage-Sensorless Controller for Grid Converters. , 2021, , .		1
28	State-Space Control for LCL Filters: Comparison Between the Converter and Grid Current Measurements. , 2019, , .		0
29	Estimation of an Unbalanced Grid Impedance Using a Three-Phase Power Converter. , 2020, , .		0
30	Comparative Analysis of the Effects of Integral Action and Disturbance Feedforward on Current Control of Voltage-Source Converters. , 2021, , .		0
31	An Approach Utilizing Converters for Locating Faults in LV Distribution Grids. , 2021, , .		0