

# Mikko Routimo

## List of Publications by Year in descending order

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26  
papers

494  
citations

1163117

8  
h-index

1588992

8  
g-index

26  
all docs

26  
docs citations

26  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Voltage-Source and Current-Source Shunt Active Power Filters. IEEE Transactions on Power Electronics, 2007, 22, 636-643.	7.9	133
2	A Universal Controller for Grid-Connected Voltage-Source Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5761-5770.	5.4	60
3	LCL Type Supply Filter for Active Power Filter - Comparison of an Active and a Passive Method for Resonance Damping. , 2007, , .		40
4	Reference-Feedforward Power-Synchronization Control. IEEE Transactions on Power Electronics, 2020, 35, 8878-8881.	7.9	30
5	Asymmetric Complex-Vector Models With Application to VSCâ€“Grid Interaction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1911-1921.	5.4	26
6	Space Vector Modulated and Vector Controlled Vienna I Rectifier with Active Filter Function. , 2007, , .		25
7	A novel simple prediction based current reference generation method for an active power filter. , 0, , .		21
8	Experiences from a back-to-back converter fed village microgrid. , 2010, , .		21
9	Comparison of Voltage-Source and Current-Source Shunt Active Power Filters. , 0, , .		19
10	Generic PLL-Based Grid-Forming Control. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	18
11	Flicker Mitigation With a Hybrid Compensator. IEEE Transactions on Industry Applications, 2008, 44, 1227-1238.	4.9	16
12	Current sensorless control of a voltage-source active power filter. , 0, , .		15
13	A Dynamic Model for Saturated Induction Machines With Closed Rotor Slots and Deep Bars. IEEE Transactions on Energy Conversion, 2020, 35, 157-165.	5.2	11
14	A novel control method for wideband harmonic compensation. , 0, , .		9
15	Observer-Based Current Control for Converters with an LCL Filter: Robust Design for Weak Grids. , 2018, , .		8
16	State-Space Control for <i>LCL</i> Filters: Converter Versus Grid Current Measurement. IEEE Transactions on Industry Applications, 2020, 56, 6608-6618.	4.9	8
17	Wideband harmonic compensation with a voltage-source hybrid active power filter. , 0, , .		7
18	Control of Grid-Tied Converters for Integration of Renewable Energy Sources into the Weak Grids. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	Real-Time Grid Impedance Estimation Using a Converter. , 2019, , .		7
20	Flicker Compensation with Combined Active and Passive Filters. , 0, , .		5
21	EMI Standard Compliance of Three-Phase Buck Type PFC Rectifier For Application in Aircraft. , 2019, , .		5
22	A Simple Prediction Based Current Reference Generation Method for a Four-Wire Active Power Filter. , 2006, , .		2
23	Observers for Discrete-Time Current Control of Converters Equipped With an LCL Filter. , 2020, , .		1
24	State-Space Control for LCL Filters: Comparison Between the Converter and Grid Current Measurements. , 2019, , .		0
25	Estimation of an Unbalanced Grid Impedance Using a Three-Phase Power Converter. , 2020, , .		0
26	An Approach Utilizing Converters for Locating Faults in LV Distribution Grids. , 2021, , .		0