Gregory J Kish

List of Publications by Year
in descending order

33 papers	618 citations	840585 11 h-index	887953 17 g-index
33 all docs	33 docs citations	33 times ranked	454 citing authors

#	Article	IF	Citations
1	A Modular Multilevel DC/DC Converter With Fault Blocking Capability for HVDC Interconnects. IEEE Transactions on Power Electronics, 2015, 30, 148-162.	5.4	224
2	On the Emerging Class of Non-Isolated Modular Multilevel DCâ€“DC Converters for DC and Hybrid ACâ€“DC Systems. IEEE Transactions on Smart Grid, 2019, 10, 1762-1771.	6.2	84
3	A modular bidirectional DC power flow controller with fault blocking capability for DC networks. , 2013, , .		42
4	Modeling Techniques for Dynamic and Steady-State Analysis of Modular Multilevel DC/DC Converters. IEEE Transactions on Power Delivery, 2016, 31, 2502-2510.	2.9	32
5	A Modular Multilevel HVDC Buckâ€“Boost Converter Derived From Its Switched-Mode Counterpart. IEEE Transactions on Power Delivery, 2018, 33, 82-92.	2.9	29
6	Multiport DCâ€“DCâ€“AC Modular Multilevel Converters For Hybrid AC/DC Power Systems. IEEE Transactions on Power Delivery, 2020, 35, 408-419.	2.9	22
7	Multiport Converter With Independent Control of AC and DC Power Flows for Bipolar DC Distribution. IEEE Transactions on Power Electronics, 2021, 36, 3473-3485.	5.4	20
8	Linearized DC-MMC Models for Control Design Accounting for Multifrequency Power Transfer Mechanisms. IEEE Transactions on Power Delivery, 2018, 33, 271-281.	2.9	17
9	Multiport Modular Multilevel Converter for DC Systems. IEEE Transactions on Power Delivery, 2019, 34, 73-83.	2.9	17
10	Decoupled Floating Capacitor Voltage Control of a Dual Inverter Drive for an Open-Ended Winding Induction Motor. IEEE Transactions on Power Electronics, 2020, 35, 7305-7316.	5.4	16
11	A comparison of modular multilevel energy conversion processes: DC/AC versus DC/DC. , 2014, , .		15
12	Generalized DC-DC-AC MMC Structure for MVDC and HVDC Applications. , 2019, , .		12
13	The Modular Multilevel DC Converter With Inherent Minimization of Arm Current Stresses. IEEE Transactions on Power Electronics, 2020, 35, 12787-12800.	5.4	12
14	Dynamic modeling of modular multilevel DC/DC converters for HVDC systems. , 2014, , .		11
15	A Comparison of DC/AC and DC/DC Modular Multilevel Energy Conversion Processes. IEEJ Journal of Industry Applications, 2015, 4, 370-379.	0.9	11
16	A transformerless DC-DC MMC based on symmetrically interlinked subconverters. , 2017, , .		6
17	Dynamic model of an interleaved modular multilevel DC-DC converter for MVDC and HVDC systems. , 2017, , .		5
18	5-Level PWM Scheme for a Dual Inverter Drive Using an Open Winding Machine. , 2018, , .		5

#	Article	IF	Citations
19	A unified modular multilevel DC/DC converter structure with flexible AC power transfer controls. , 2017, , .		4
20	Robust Floating Capacitor Voltage Control of Dual Inverter Drive for Open-Ended Winding Induction Motor. , 2019, , .		4
21	Guidelines for Selecting Minimum Capacitance for a Floating Bridge Dual Inverter Drive. , 2019, , .		4
22	Comparative Assessment of Multi-Port MMCs for High-Power Applications. IEEE Access, 2022, 10, 22049-22060.	2.6	4
23	A Dual-MMC Chain-Link Structure for Multifrequency Power Transfer. IEEE Transactions on Power Electronics, 2022, 37, 14601-14614.	5.4	4
24	Dynamic Phasor Modeling and Analysis of Three-Phase DC/DC/AC MMCs for Hybrid AC/DC Grids. Canadian Journal of Electrical and Computer Engineering, 2021, 44, 391-401.	1.5	3
25	Multiport Converter With Enhanced Port Utilization Using Multitasking Dual Inverters. IEEE Open Journal of Power Electronics, 2021, 2, 511-522.	4.0	3
26	DC/AC Voltage Sourced Converter with Auxiliary DC Port for Renewable Energy Applications. , 2020, , .		3
27	A Partial Power Processing MMC Topology for Direct AC/AC Power Conversion. , 2021, , .		3
28	A Modular Multilevel HVDC Buck-Boost Converter Derived from its Switched-Mode Counterpart. , 2018, , .		2
29	Linearized DC-MMC Models for Control Design Accounting for Multi-Frequency Power Transfer Mechanisms. , 2018, , .		1
30	Control strategies to improve stability of LCCâ€HVDC systems with multiple MMC taps. IET Generation, Transmission and Distribution, 2019, 13, 4685-4693.	1.4	1
31	Exploiting buckâ€“boost duality in dual active bridge modular multilevel converters to achieve high DC step ratios. High Voltage, 2021, 6, 495-513.	2.7	1
32	State-Space Dynamic Model of Unified MMC Structure for Hybrid AC/DC Grids. , 2020, , .		1
33	Multiport DC-DC-AC Modular Multilevel Converters for Hybrid AC/DC Power Systems. , 2020, , .		0