

Vikram Roy Chowdhury

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Grid Voltage Estimation and Current Control of a Single-Phase Grid-Connected Converter Without Grid Voltage Sensor. IEEE Transactions on Power Electronics, 2018, 33, 4407-4418.	7.9	29
2	Control of a Three-Phase Grid-Connected Inverter Under Non-Ideal Grid Conditions With Online Parameter Update. IEEE Transactions on Energy Conversion, 2019, 34, 1613-1622.	5.2	27
3	Model Reference Adaptive Control Based Estimation of Equivalent Resistance and Reactance in Grid-Connected Inverters. IEEE Transactions on Energy Conversion, 2017, 32, 1407-1417.	5.2	22
4	Power-Angle Synchronization for Grid-Connected Converter With Fault Ride-Through Capability for Low-Voltage Grids. IEEE Transactions on Energy Conversion, 2018, 33, 970-979.	5.2	16
5	Robust Control Scheme for a Three Phase Grid-Tied Inverter With LCL Filter During Sensor Failures. IEEE Transactions on Industrial Electronics, 2021, 68, 8253-8264.	7.9	14
6	A Voltage Sensorless Control of a Three Phase Grid Connected Inverter Based on Lyapunov Energy Function Under Unbalanced Grid Voltage Condition. , 2018, , .		12
7	Internal Model Based Grid Voltage Estimation and Control of a Three-Phase Grid Connected Inverter for PV Application. IEEE Transactions on Energy Conversion, 2021, 36, 3568-3577.	5.2	12
8	Grid Voltage Estimation and Feedback Linearization based Control of a Three phase Grid Connected Inverter under Unbalanced Grid Conditions with LCL Filter. , 2019, , .		10
9	A Tri-Port Current-Source Soft-Switching Medium-Voltage String Inverter for Large-Scale Solar-Plus-Storage Farms. IEEE Transactions on Power Electronics, 2022, 37, 13808-13823.	7.9	9
10	Adaptive Feedback Linearization Based Control of a Three-Phase Grid Connected Inverter under Non-Ideal Grid Voltage Condition. , 2019, , .		6
11	Lyapunov Energy Function based Control of a Soft Switching Solid State Transformer for Three-phase Standalone Application. , 2020, , .		6
12	Negative Virtual Capacitance to Eliminate Resonance Oscillations in a Three-Phase Inverter with LCL Filter. , 2020, , .		6
13	Negative Virtual Inductance based Active Damping and Direct Power Control of a Soft Switching Solid State Transformer for PV Application. , 2022, , .		6
14	Voltage Sensorless Control of a Three-phase Grid Connected Inverter with LCL filter based on Passivity under Non-ideal Grid Voltage Conditions. , 2019, , .		5
15	Virtual charge-based synchronisation and feedback linearisation-based current control of a three-phase grid-connected inverter without grid voltage sensors. IET Power Electronics, 2020, 13, 3496-3504.	2.1	5
16	Feedback Linearization based Direct Power Control of a three-phase grid-connected inverter with online parameter update. , 2021, , .		5
17	Control of Soft Switching Solid State Transformer based on Lyapunov Energy Function for Three-phase AC-AC Power Conversion. , 2021, , .		4
18	Operation of a Three-Phase Standalone Inverter With Online Parameter Update By Instantaneous Charge Transfer Estimation. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	A Multiport DC Transformer to Enable Flexible Scalable DC as a Service. , 2021, , .		3
20	Lyapunov Energy Function Based Control of a PV Based Current Source Inverter under Unbalanced Grid Voltage Condition. , 2021, , .		3
21	An improved control scheme for stand-alone inverters in the stationary frame of reference with a zero sequence controller. , 2017, , .		2
22	A voltage sensorless phase locked loop structure for single phase grid connected converter system. , 2017, , .		2
23	Filter capacitor current estimation and grid current control in LCL based grid connected inverter. , 2017, , .		2
24	Farm-level Interactions Study of a Novel Tri-port Soft-switching Medium-Voltage String Inverter (MVISI) based Large-scale PV-Plus-Storage Farms. , 2022, , .		2
25	Control of a Three Phase Inverter Mimicking Synchronous Machine with Fault Ridethrough Capability. , 2017, , .		1
26	Control of a three phase boost rectifier under unbalanced grid conditions without grid voltage sensors. , 2018, , .		1
27	Analysis and Design of a Three Phase Photovoltaic System with Battery Backup. , 2017, , .		0
28	Internal Model Based Speed Estimation and Lyapunov Energy Function Based Control of a Surface Mount PMSM for Electric Vehicle Application. , 2021, , .		0
29	Lyapunov energy function based direct power control of synchronverters under unbalanced grid voltage conditions. , 2021, , .		0