

Deepak Ramasubramanian

List of Publications by Year in descending order

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papers

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484
citing authors

#	ARTICLE	IF	CITATIONS
1	Grid-Forming Inverters: Are They the Key for High Renewable Penetration?. IEEE Power and Energy Magazine, 2019, 17, 89-98.	1.6	225
2	Converter Model for Representing Converter Interfaced Generation in Large Scale Grid Simulations. IEEE Transactions on Power Systems, 2017, 32, 765-773.	6.5	63
3	Single-phase synchronverter for a grid-connected roof top photovoltaic system. IET Renewable Power Generation, 2016, 10, 1187-1194.	3.1	54
4	Positive sequence voltage source converter mathematical model for use in low short circuit systems. IET Generation, Transmission and Distribution, 2020, 14, 87-97.	2.5	28
5	Transient stability analysis of an all converter interfaced generation WECC system. , 2016, , .		24
6	Instability of PLL-Synchronized Converter-Based Generators in Low Short-Circuit Systems and the Limitations of Positive Sequence Modeling. , 2018, , .		15
7	A Comprehensive Method to Mitigate Forced Oscillations in Large Interconnected Power Grids. IEEE Access, 2021, 9, 22503-22515.	4.2	14
8	Transient stability analysis and stability margin evaluation of phase-locked loop synchronised converter-based generators. IET Generation, Transmission and Distribution, 2020, 14, 5000-5010.	2.5	14
9	Operation paradigm of an all converter interfaced generation bulk power system. IET Generation, Transmission and Distribution, 2018, 12, 4240-4248.	2.5	13
10	Differentiating between plant level and inverter level voltage control to bring about operation of 100% inverter based resource grids. Electric Power Systems Research, 2022, 205, 107739.	3.6	11
11	Positive sequence induction motor speed control drive model for time-domain simulations. IET Generation, Transmission and Distribution, 2017, 11, 1809-1819.	2.5	9
12	Impact analysis of DERs on bulk power system stability through the parameterization of aggregated DER_a model for real feeders. Electric Power Systems Research, 2020, 189, 106822.	3.6	9
13	Modeling the Aggregated Response of Variable Frequency Drives (VFDs) for Power System Dynamic Studies. IEEE Transactions on Power Systems, 2020, 35, 2631-2641.	6.5	9
14	Simulation of 100% Inverter-Based Resource Grids With Positive Sequence Modeling. IEEE Electrification Magazine, 2021, 9, 62-71.	1.8	7
15	Positive Sequence Model for Converter-Interfaced Synchronous Generation With Finite DC Capacitance. IEEE Transactions on Power Systems, 2018, 33, 3172-3180.	6.5	6
16	Effect of accurate modelling of converter interfaced generation on a practical bulk power system. IET Generation, Transmission and Distribution, 2020, 14, 3108-3116.	2.5	6
17	Generalized Formulation of Steady-State Equivalent Circuit Models of Grid-Forming Inverters. IEEE Open Access Journal of Power and Energy, 2021, 8, 352-364.	3.4	6
18	Performance Evaluation of an Angle Droop-Based Power Sharing Algorithm for An Inverter-Dominated Power System. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
19	Importance of Considering Plant Ramp Rate Limits for Frequency Control in Zero Inertia Power Systems. , 2021, , .		3
20	Analyzing impact of DER on FIDVR - comparison of EMT simulation of a combined transmission and distribution grid with aggregated positive sequence models. Electric Power Systems Research, 2021, 201, 107534.	3.6	3
21	Power sharing for transmission systems with 100% inverter-based generating resources. IET Generation, Transmission and Distribution, 2020, 14, 6504-6511.	2.5	3
22	Asking for fast terminal voltage control in grid following plants could provide benefits of grid forming behavior. IET Generation, Transmission and Distribution, 2023, 17, 411-426.	2.5	3
23	Enforcing Strict Current Control in Controlled Voltage Source Converter Model for use in Large Scale Positive Sequence Time Domain Simulations. , 2018, , .		2
24	Representation of Grid Forming Virtual Oscillator Controller Dynamics with WECC Generic Models. , 2021, , .		2
25	Deriving IEEE Std 1547â„¢ Settings that Benefit Transmission System Dynamic Behavior. , 2021, , .		0
26	Forced Oscillation Grid Vulnerability Analysis and Mitigation Using Inverter-Based Resources: Texas Grid Case Study. Energies, 2022, 15, 2819.	3.1	0