

# Esmaeil Ebrahimzadeh

## List of Publications by Year in descending order

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31  
papers

635  
citations

623734

14  
h-index

839539

18  
g-index

31  
all docs

31  
docs citations

31  
times ranked

769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harmonic Stability and Resonance Analysis in Large PMSG-Based Wind Power Plants. IEEE Transactions on Sustainable Energy, 2018, 9, 12-23.	8.8	95
2	A Hierarchical Game Theoretical Approach for Energy Management of Electric Vehicles and Charging Stations in Smart Grids. IEEE Access, 2018, 6, 67223-67234.	4.2	57
3	Bus Participation Factor Analysis for Harmonic Instability in Power Electronics Based Power Systems. IEEE Transactions on Power Electronics, 2018, 33, 10341-10351.	7.9	48
4	An Adaptive Resonant Regulator for Single-Phase Grid-Tied VSCs. IEEE Transactions on Power Electronics, 2018, 33, 1867-1873.	7.9	45
5	Combined control method for grid-side converter of doubly fed induction generator-based wind energy conversion systems. IET Renewable Power Generation, 2018, 12, 943-952.	3.1	45
6	<i>dq</i> -Frame Impedance Modeling of Three-Phase Grid-Tied Voltage Source Converters Equipped With Advanced PLLs. IEEE Transactions on Power Electronics, 2021, 36, 3524-3539.	7.9	45
7	Analysis of High-Frequency Resonance in DFIG-Based Offshore Wind Farm via Long Transmission Cable. IEEE Transactions on Energy Conversion, 2018, 33, 1036-1046.	5.2	38
8	Adaptive-Harmonic Compensation in Residential Distribution Grid by Roof-Top PV Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2098-2108.	5.4	35
9	An Adaptive Least-Squares Filter-Based Phase-Locked Loop for Synchronization and Signal Decomposition Purposes. IEEE Transactions on Industrial Electronics, 2017, 64, 336-346.	7.9	22
10	Modulation technique for Four-Leg Voltage Source Inverter without a Look-Up Table. IET Power Electronics, 2016, 9, 648-656.	2.1	19
11	Large-Signal Stability Modeling for the Grid-Connected VSC Based on the Lyapunov Method. Energies, 2018, 11, 2533.	3.1	19
12	Modeling and identification of harmonic instability problems in wind farms. , 2016, , .		17
13	Modeling and Adaptive Design of the SRF-PLL: Nonlinear Time-Varying Framework. IEEE Access, 2020, 8, 28635-28645.	4.2	17
14	Reducing Harmonic Instability and Resonance Problems in PMSG-Based Wind Farms. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 73-83.	5.4	16
15	Robust MPC-based current controller against grid impedance variations for single-phase grid-connected inverters. ISA Transactions, 2019, 84, 154-163.	5.7	16
16	Optimum Design of Power Converter Current Controllers in Large-Scale Power Electronics Based Power Systems. IEEE Transactions on Industry Applications, 2019, 55, 2792-2799.	4.9	14
17	Efficient approach for harmonic resonance identification of large Wind Power Plants. , 2016, , .		13
18	Lyapunov- and Eigenvalue-based Stability Assessment of the Grid-connected Voltage Source Converter. , 2018, , .		12

#	ARTICLE	IF	CITATIONS
19	A New Guideline for Security Assessment of Power Systems with a High Penetration of Wind Turbines. Applied Sciences (Switzerland), 2020, 10, 3190.	2.5	10
20	Multi-objective optimization of large wind farm parameters for harmonic instability and resonance conditions. , 2016, , .		9
21	Harmonic stability analysis of offshore wind farm with component connection method. , 2017, , .		6
22	Modelling and Stability Analysis of Wind Power Plants Connected to Weak Grids. Applied Sciences (Switzerland), 2019, 9, 4695.	2.5	6
23	Performance improvement of DFIG-based wind farm using multilevel cascaded H-bridge converter under unbalanced grid voltage conditions. , 2014, , .		5
24	An Enhanced LVRT Scheme for DFIG-based WECSs under Both Balanced and Unbalanced Grid Voltage Sags. Electric Power Components and Systems, 2017, , 1-12.	1.8	5
25	LVRT capability of single-phase grid-connected HERIC inverter in PV systems by a look-up table based predictive control. , 2017, , .		4
26	Small signal modeling of wind farms. , 2017, , .		4
27	Sensitivity analysis of the wind farm high frequency resonance under transmission cable resistance variation. , 2018, , .		4
28	Dynamic resonance sensitivity analysis in wind farms. , 2017, , .		3
29	Security Analysis of Power Electronic-based Power Systems. , 2019, , .		3
30	Harmonic instability source identification in large wind farms. , 2017, , .		2
31	Large Signal Stability Assessment of the Grid-Connected Converters based on its Inertia. , 2019, , .		1