

Evangelos Farantatos

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of Inverter-Based Resources on Negative Sequence Quantities-Based Protection Elements. IEEE Transactions on Power Delivery, 2021, 36, 289-298. | 4.3 | 61 |
| 2 | Modelless Data Quality Improvement of Streaming Synchrophasor Measurements by Exploiting the Low-Rank Hankel Structure. IEEE Transactions on Power Systems, 2018, 33, 6966-6977. | 6.5 | 50 |
| 3 | Short-Circuit Model for Type-IV Wind Turbine Generators With Decoupled Sequence Control. IEEE Transactions on Power Delivery, 2019, 34, 1998-2007. | 4.3 | 47 |
| 4 | A Generic EMT-Type Model for Wind Parks With Permanent Magnet Synchronous Generator Full Size Converter Wind Turbines. IEEE Power and Energy Technology Systems Journal, 2019, 6, 131-141. | 2.8 | 41 |
| 5 | An Accurate Type III Wind Turbine Generator Short Circuit Model for Protection Applications. IEEE Transactions on Power Delivery, 2017, 32, 2370-2379. | 4.3 | 39 |
| 6 | Impact of Wind Generation on Power Swing Protection. IEEE Transactions on Power Delivery, 2019, 34, 1118-1128. | 4.3 | 38 |
| 7 | Design and implementation of a measurement-based adaptive wide-area damping controller considering time delays. Electric Power Systems Research, 2016, 130, 1-9. | 3.6 | 37 |
| 8 | Impact of Inverter Based Resources on System Protection. Energies, 2021, 14, 1050. | 3.1 | 37 |
| 9 | 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 |
| 10 | Measurement-based correlation approach for power system dynamic response estimation. IET Generation, Transmission and Distribution, 2015, 9, 1474-1484. | 2.5 | 27 |
| 11 | Short-circuit current contribution of converter interfaced wind turbines and the impact on system protection. , 2013, , . | | 17 |
| 12 | Negative sequence quantities-based protection under inverter-based resources Challenges and impact of the German grid code. Electric Power Systems Research, 2020, 188, 106573. | 3.6 | 17 |
| 13 | Observability of nonlinear power system dynamics using synchrophasor data. International Transactions on Electrical Energy Systems, 2016, 26, 952-967. | 1.9 | 15 |
| 14 | Field validation of generic wind park models using fault records. Journal of Modern Power Systems and Clean Energy, 2019, 7, 826-836. | 5.4 | 15 |
| 15 | A Comprehensive Method to Mitigate Forced Oscillations in Large Interconnected Power Grids. IEEE Access, 2021, 9, 22503-22515. | 4.2 | 14 |
| 16 | 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 |
| 17 | Operation paradigm of an all converter interfaced generation bulk power system. IET Generation, Transmission and Distribution, 2018, 12, 4240-4248. | 2.5 | 13 |
| 18 | Hierarchical Coordinated Fast Frequency Control Using Inverter-Based Resources. IEEE Transactions on Power Systems, 2021, 36, 4992-5005. | 6.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Phasor domain modeling of Type III wind turbine generator for protection studies. , 2015, , . | | 11 |
| 20 | Phasor domain modeling of type-IV wind turbine generator for protection studies. , 2015, , . | | 9 |
| 21 | Modeling of Li-ion battery energy storage systems (BESSs) for grid fault analysis. Electric Power Systems Research, 2021, 196, 107160. | 3.6 | 9 |
| 22 | Measurement-Based Fast Coordinated Voltage Control for Transmission Grids. IEEE Transactions on Power Systems, 2021, 36, 3416-3429. | 6.5 | 8 |
| 23 | Simulation of 100% Inverter-Based Resource Grids With Positive Sequence Modeling. IEEE Electrification Magazine, 2021, 9, 62-71. | 1.8 | 7 |
| 24 | Impact of Inverter-Based Resources on Memory-Polarized Distance and Directional Protective Relay Elements. , 2021, , . | | 6 |
| 25 | Short circuit network equivalents of systems with inverter-based resources. Electric Power Systems Research, 2021, 199, 107314. | 3.6 | 6 |
| 26 | Analysis and Mitigation of the Communication Delay Impacts on Wind Farm Central SSI Damping Controller. IEEE Access, 2021, 9, 105641-105650. | 4.2 | 5 |
| 27 | An Adaptive Wide-Area Damping Controller via FACTS for the New York State Grid Using a Measurement-Driven Model. , 2019, , . | | 4 |
| 28 | Review of Low-Rank Data-Driven Methods Applied to Synchrophasor Measurement. IEEE Open Access Journal of Power and Energy, 2021, 8, 532-542. | 3.4 | 4 |
| 29 | Power sharing for transmission systems with 100% inverter-based generating resources. IET Generation, Transmission and Distribution, 2020, 14, 6504-6511. | 2.5 | 3 |
| 30 | Forced Oscillation Grid Vulnerability Analysis and Mitigation Using Inverter-Based Resources: Texas Grid Case Study. Energies, 2022, 15, 2819. | 3.1 | 0 |