# Thai-Thanh Nguyen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4977619/publications.pdf

Version: 2024-02-01

| 39 | 472 | 687220 13 | 713332 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 39 | 39 | 39 | 629 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Consensus-Based Distributed Coordination Control of Hybrid AC/DC Microgrids. IEEE Transactions on Sustainable Energy, 2020, 11, 629-639. | 5.9 | 80 |
| 2 | Multi-Frequency Control in a Stand-Alone Multi-Microgrid System Using a Back-To-Back Converter. Energies, 2017, 10, 822. | 1.6 | 38 |
| 3 | Application of Model Predictive Control to BESS for Microgrid Control. Energies, 2015, 8, 8798-8813. | 1.6 | 36 |
| 4 | A Droop Frequency Control for Maintaining Different Frequency Qualities in a Stand-Alone Multimicrogrid System. IEEE Transactions on Sustainable Energy, 2018, 9, 599-609. | 5.9 | 34 |
| 5 | A Flywheel Energy Storage System Based on a Doubly Fed Induction Machine and Battery for Microgrid Control. Energies, 2015, 8, 5074-5089. | 1.6 | 27 |
| 6 | Analyzing the Impacts of System Parameters on MPC-Based Frequency Control for a Stand-Alone Microgrid. Energies, 2017, 10, 417. | 1.6 | 24 |
| 7 | Low-Voltage Ride-Through Operation of Grid-Connected Microgrid Using Consensus-Based Distributed Control. Energies, 2018, 11, 2867. | 1.6 | 19 |
| 8 | A Simplified Model of Coaxial, Multilayer High-Temperature Superconducting Power Cables with Cu Formers for Transient Studies. Energies, 2019, 12, 1514. | 1.6 | 19 |
| 9 | Improving Transient Response of Power Converter in a Stand-Alone Microgrid Using Virtual Synchronous Generator. Energies, 2018, 11, 27. | 1.6 | 17 |
| 10 | Applying Model Predictive Control to SMES System in Microgrids for Eddy Current Losses Reduction. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5. | 1.1 | 16 |
| 11 | Robustness Improvement of Superconducting Magnetic Energy Storage System in Microgrids Using an Energy Shaping Passivity-Based Control Strategy. Energies, 2017, 10, 671. | 1.6 | 16 |
| 12 | A Novel Topology of Hybrid HVDC Circuit Breaker for VSC-HVDC Application. Energies, 2017, 10, 1675. | 1.6 | 15 |
| 13 | Transfverter: Imbuing Transformer-Like Properties in an Interlink Converter for Robust Control of a Hybrid ACâ€“DC Microgrid. IEEE Transactions on Power Electronics, 2019, 34, 11332-11341. | 5.4 | 15 |
| 14 | Distributed Operation of Wind Farm for Maximizing Output Power: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 173136-173146. | 2.6 | 15 |
| 15 | A Comparison of Different Hybrid Direct Current Circuit Breakers for Application in HVDC System. International Journal of Control and Automation, 2016, 9, 381-394. | 0.3 | 13 |
| 16 | MPC with Constant Switching Frequency for Inverter-Based Distributed Generations in Microgrid Using Gradient Descent. Energies, 2019, 12, 1156. | 1.6 | 11 |
| 17 | Simplified Floating Wind Turbine for Real-Time Simulation of Large-Scale Floating Offshore Wind Farms. Energies, 2021, 14, 4571. | 1.6 | 10 |
| 18 | Cluster-Based Predictive PCC Voltage Control of Large-Scale Offshore Wind Farm. IEEE Access, 2021, 9, 4630-4641. | 2.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A comparison study of MVDC and MVAC for deployment of distributed wind generations. , 2016, , . | | 8 |
| 20 | Fault Analysis and Design of a Protection System for a Mesh Power System with a Co-Axial HTS Power Cable. Energies, 2020, 13, 220. | 1.6 | 6 |
| 21 | An Energy-Based Control Strategy for Battery Energy Storage Systems: A Case Study on Microgrid Applications. Energies, 2017, 10, 215. | 1.6 | 5 |
| 22 | Consensus-Based SOC Balancing of Battery Energy Storage Systems in Wind Farm. Energies, 2018, 11, 3507. | 1.6 | 5 |
| 23 | Impacts of a LVRT Control Strategy of Offshore Wind Farms on the HTS Power Cable. Energies, 2020, 13, 1194. | 1.6 | 5 |
| 24 | Leader-Following Diffusion-Based Reactive Power Coordination and Voltage Control of Offshore Wind Farm. IEEE Access, 2020, 8, 149555-149568. | 2.6 | 4 |
| 25 | Multi-Objective Stochastic Optimization for Determining Set-Point of Wind Farm System. Sustainability, 2021, 13, 624. | 1.6 | 4 |
| 26 | Estimating Stability of MTDC Systems with Different Control Strategy. Journal of Electrical Engineering and Technology, 2015, 10, 443-451. | 1.2 | 4 |
| 27 | Applying Improved Droop Control to Hybrid Microgrid Control. International Journal of Control and Automation, 2015, 8, 395-404. | 0.3 | 3 |
| 28 | Direct Phase Angle and Voltage Amplitude Model Predictive Control of a Power Converter for Microgrid Applications. Energies, 2018, 11, 2254. | 1.6 | 3 |
| 29 | Multiagent-Based Distributed Coordination of Inverter-Based Resources for Optimal Operation of Microgrids Considering Communication Failures. Energies, 2022, 15, 3736. | 1.6 | 3 |
| 30 | Diffusion-Based Distributed Coordination Control of Power Converters in MG for Efficiency Improvement. IEEE Access, 2019, 7, 53347-53357. | 2.6 | 2 |
| 31 | Distributed Operation of Microgrids Considering Secondary Frequency Restoration Based on the Diffusion Algorithm. Energies, 2020, 13, 3207. | 1.6 | 2 |
| 32 | Applying predictive power control to BESS for mitigation of wind power fluctuations. , 2015, , . | | 1 |
| 33 | Model Predictive Control of Inverters in Microgrid with Constant Switching Frequency for Circulating Current Suppression. , 2018, , . | | 1 |
| 34 | Simplified Floating Offshore Wind Turbine Model for Time-domain Simulation. , 2019, , . | | 1 |
| 35 | Real-time optimization for microgrid operation based on auto-configuration in grid-connected mode. , 2016, , . | | 0 |
| 36 | Microgrid Control based on a DFIG Integrated with a BESS. International Journal of Control and Automation, 2016, 9, 383-392. | 0.3 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Novel Circuit Breaker Topology for DC Grid Applications. International Journal of Control and Automation, 2016, 9, 403-412. | 0.3 | 0 |
| 38 | Coordinated Frequency Control of FESS and BESS in Microgrid based on Model Predictive Control Strategy. International Journal of Control and Automation, 2017, 10, 383-394. | 0.3 | 0 |
| 39 | The Hardware-in-the-Loop Simulation (HILS) of the Coordinated Control of the Hybrid Energy Storage System in Microgrid. International Journal of Control and Automation, 2017, 10, 271-282. | 0.3 | 0 |