

N Eva Wu, Eva Wu

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Detection, estimation, and accommodation of loss of control effectiveness. International Journal of Adaptive Control and Signal Processing, 2000, 14, 775-795. | 4.1 | 221 |
| 2 | Adaptive Linear Parameter Varying Control Synthesis for Actuator Failure. Journal of Guidance, Control, and Dynamics, 2004, 27, 787-794. | 2.8 | 47 |
| 3 | Sensor fault masking of a ship propulsion system. Control Engineering Practice, 2006, 14, 1337-1345. | 5.5 | 44 |
| 4 | Data-Availability-Constrained Placement of PMUs and Communication Links in a Power System. IEEE Systems Journal, 2014, 8, 483-492. | 4.6 | 30 |
| 5 | Feedback design in control reconfigurable systems. International Journal of Robust and Nonlinear Control, 1996, 6, 561-570. | 3.7 | 29 |
| 6 | Fault-tolerant placement of phasor measurement units based on control reconfigurability. Control Engineering Practice, 2013, 21, 1-11. | 5.5 | 26 |
| 7 | Maximally secure mitigation of protection misoperations in power systems. , 2015, , . | | 15 |
| 8 | Cost-Effective Upgrade of PMU Networks for Fault-Tolerant Sensing. IEEE Transactions on Power Systems, 2018, 33, 3052-3063. | 6.5 | 14 |
| 9 | Actuator Fault Diagnosis in a Boeing 747 Model via Adaptive Modified Two-Stage Kalman Filter. International Journal of Aerospace Engineering, 2014, 2014, 1-10. | 0.9 | 13 |
| 10 | Transmission Fault Diagnosis With Sensor-Localized Filter Models for Complexity Reduction. IEEE Transactions on Smart Grid, 2018, 9, 6939-6950. | 9.0 | 13 |
| 11 | Transient stability assessment of large lossy power systems. IET Generation, Transmission and Distribution, 2018, 12, 1822-1830. | 2.5 | 12 |
| 12 | A multiple model filtering approach to transmission line fault diagnosis. Control Engineering Practice, 2016, 52, 93-102. | 5.5 | 11 |
| 13 | Detection, estimation, and accommodation of loss of control effectiveness. International Journal of Adaptive Control and Signal Processing, 2000, 14, 775-795. | 4.1 | 11 |
| 14 | Secondary protective control for mitigation of protection misoperations in electric power systems. Journal of Modern Power Systems and Clean Energy, 2016, 4, 427-439. | 5.4 | 10 |
| 15 | Fault diagnosis based on partitioned power system models. , 2016, , . | | 8 |
| 16 | Validation of a small signal probing concept for prognosis on a nonlinear model for longitudinal motion of a Boeing-747. , 2009, , . | | 7 |
| 17 | Toward a spoof-tolerant PMU network architecture. International Journal of Electrical Power and Energy Systems, 2019, 107, 311-320. | 5.5 | 6 |
| 18 | Minimum cost upgrade of phasor measurement unit networks for synchrophasor availability. International Journal of Robust and Nonlinear Control, 2014, 24, 1341-1360. | 3.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Fault Diagnosis for A Ship Propulsion Benchmark: Part I. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 7670-7675. | 0.4 | 4 |
| 20 | Fault-tolerant control of power grids for security and availability. , 2012, , . | | 4 |
| 21 | Circle/Popov criteria in phaselock loop design. , 1998, , . | | 3 |
| 22 | Estimation of Actuator Fault Parameters in a Nonlinear Boeing 747 Model Using a Linear Two-Stage Kalman Filter. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1408-1413. | 0.4 | 3 |
| 23 | Performance analysis of MMF-based transmission network fault diagnosis via randomized hybrid simulations. , 2017, , . | | 3 |
| 24 | Unbalanced Fault Diagnosis in Transmission Networks Using Multiple Model Filters. , 2018, , . | | 3 |
| 25 | Analytical Redundancy Management in Reconfigurable Control Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 6626-6631. | 0.4 | 2 |
| 26 | Fault Detection and Isolation Applied to a Ship Propulsion Benchmark. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1908-1913. | 0.4 | 2 |
| 27 | Resilient PMU Network Design in the Face of GPS Spoofing Attacks. , 2019, , . | | 2 |
| 28 | A Hybrid Simulation Study on Wide Area Measurement Feedback for Enhanced Tolerance to Protection Misoperations â...â This work is supported by New York State Energy Research and Development Authority (NYSERDA) under contract #30733, managed by Michael Razanousky.. IFAC-PapersOnLine, 2015, 48, 901-906. | 0.9 | 1 |
| 29 | An ellipsoidal expansion algorithm for estimating and representing regions of attraction for large power systems. , 2017, , . | | 1 |
| 30 | An algorithm for resilient sensor network upgrade with fewest PMUs. , 2017, , . | | 1 |
| 31 | Diagnosis performance assessment of the secondary protection for a 68â¬bus power system. International Journal of Adaptive Control and Signal Processing, 2021, 35, 357-372. | 4.1 | 1 |
| 32 | Robust Topology Detection Under Load Uncertainty. , 2021, , . | | 1 |
| 33 | On Reconfigurability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 819-824. | 0.4 | 0 |
| 34 | Sensor maneuver design for microwave source localization. , 2009, , . | | 0 |
| 35 | A new scalable solution to optimal PMU placement under a long-run data availability criterion. , 2013, , . | | 0 |
| 36 | From Static to Dynamic Observability for a Multiple-Model Filter Based Fault Diagnosis Approach. , 2021, , . | | 0 |