

Nikolaos Gatsis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

1,853

citations

20

h-index

42

g-index

74

ext. papers

2,356

ext. citations

6.9

avg, IF

5.59

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 63 | Robust Energy Management for Microgrids With High-Penetration Renewables. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 944-953 | 8.2 | 513 |
| 62 | . <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 1974-2002 | 37.1 | 158 |
| 61 | Residential Load Control: Distributed Scheduling and Convergence With Lost AMI Messages. <i>IEEE Transactions on Smart Grid</i> , 2012 , 3, 770-786 | 10.7 | 155 |
| 60 | Monitoring and Optimization for Power Grids: A Signal Processing Perspective. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 107-128 | 9.4 | 153 |
| 59 | Battle of the Attack Detection Algorithms: Disclosing Cyber Attacks on Water Distribution Networks. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018 , 144, 04018048 | 2.8 | 83 |
| 58 | Decomposition Algorithms for Market Clearing With Large-Scale Demand Response. <i>IEEE Transactions on Smart Grid</i> , 2013 , 4, 1976-1987 | 10.7 | 68 |
| 57 | Comprehensive Modeling of Three-Phase Distribution Systems via the Bus Admittance Matrix. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2015-2029 | 7 | 60 |
| 56 | Cooperative multi-residence demand response scheduling 2011 , | | 51 |
| 55 | Decentralized Stochastic Optimal Power Flow in Radial Networks With Distributed Generation. <i>IEEE Transactions on Smart Grid</i> , 2016 , 1-15 | 10.7 | 49 |
| 54 | Vulnerability Analysis of Smart Grids to GPS Spoofing. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3535-3548 | 10.7 | 36 |
| 53 | A Joint Indoor WLAN Localization and Outlier Detection Scheme Using LASSO and Elastic-Net Optimization Techniques. <i>IEEE Transactions on Mobile Computing</i> , 2017 , 16, 2079-2092 | 4.6 | 31 |
| 52 | Structured Group Sparsity: A Novel Indoor WLAN Localization, Outlier Detection, and Radio Map Interpolation Scheme. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 6498-6510 | 6.8 | 28 |
| 51 | Virtual Budget: Integration of electricity load and price anticipation for load morphing in price-directed energy utilization. <i>Electric Power Systems Research</i> , 2018 , 158, 284-296 | 3.5 | 26 |
| 50 | Occupancy-based buildings-to-grid integration framework for smart and connected communities. <i>Applied Energy</i> , 2018 , 219, 123-137 | 10.7 | 26 |
| 49 | Convergence of the Z-Bus Method for Three-Phase Distribution Load-Flow with ZIP Loads. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 153-165 | 7 | 26 |
| 48 | Residential demand response with interruptible tasks: Duality and algorithms 2011 , | | 26 |
| 47 | Cross-Layer Designs in Coded Wireless Fading Networks With Multicast. <i>IEEE/ACM Transactions on Networking</i> , 2011 , 19, 1276-1289 | 3.8 | 25 |

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|----|---|------|----|
| 46 | Power control for cooperative dynamic spectrum access networks with diverse QoS constraints. <i>IEEE Transactions on Communications</i> , 2010 , 58, 933-944 | 6.9 | 25 |
| 45 | Real-Time Rejection and Mitigation of Time Synchronization Attacks on the Global Positioning System. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 6425-6435 | 8.9 | 22 |
| 44 | A class of convergent algorithms for resource allocation in wireless fading networks. <i>IEEE Transactions on Wireless Communications</i> , 2010 , 9, 1808-1823 | 9.6 | 21 |
| 43 | Buildings-to-Grid Integration Framework. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1237-1249 | 10.7 | 17 |
| 42 | Designing Reactive Power Control Rules for Smart Inverters Using Support Vector Machines. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 1759-1770 | 10.7 | 16 |
| 41 | Placement and Sizing of Inverter-Based Renewable Systems in Multi-Phase Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 918-930 | 7 | 16 |
| 40 | . <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020 , 56, 4224-4237 | 3.7 | 14 |
| 39 | Utility-based power control for peer-to-peer cognitive radio networks with heterogeneous QoS constraints. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 , | 1.6 | 14 |
| 38 | Time-Varying Sensor and Actuator Selection for Uncertain Cyber-Physical Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 750-762 | 4 | 14 |
| 37 | Optimal Power Flow With Step-Voltage Regulators in Multi-Phase Distribution Networks. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4228-4239 | 7 | 13 |
| 36 | Buildings-to-distribution-network integration for coordinated voltage regulation and building energy management via distributed resource flexibility. <i>Sustainable Cities and Society</i> , 2021 , 69, 102832 | 10.1 | 11 |
| 35 | Chance constrained optimization of distributed energy resources via affine policies 2017 , | | 9 |
| 34 | Decentralized stochastic programming for real and reactive power management in distribution systems 2014 , | | 9 |
| 33 | 2020 , 4, 145-150 | | 9 |
| 32 | Identification of Cyber Attacks on Water Distribution Systems by Unveiling Low-Dimensionality in the Sensory Data 2017 , | | 8 |
| 31 | Cross-Layer Design of Coded Multicast for Wireless Random Access Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 1970-1980 | 14.2 | 8 |
| 30 | Rejection of Smooth GPS Time Synchronization Attacks via Sparse Techniques. <i>IEEE Sensors Journal</i> , 2020 , 1-1 | 4 | 8 |
| 29 | Robust Control for Renewable-Integrated Power Networks Considering Input Bound Constraints and Worst Case Uncertainty Measure. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 1210-1222 | 12.2 | 7 |

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|----|---|-----|---|
| 28 | Algorithms for joint sensor and control nodes selection in dynamic networks. <i>Automatica</i> , 2019 , 106, 124-133 | 5.7 | 6 |
| 27 | Geometric Programming-Based Control for Nonlinear, DAE-Constrained Water Distribution Networks 2019 , | | 6 |
| 26 | Multi-period Power System State Estimation with PMUs Under GPS Spoofing Attacks. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 597-606 | 4 | 6 |
| 25 | . <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-13 | 4.8 | 6 |
| 24 | . <i>IEEE Transactions on Control of Network Systems</i> , 2020 , 7, 1151-1163 | 4 | 5 |
| 23 | Voltage regulation in electricity distribution networks using the conditional value-at-risk 2014 , | | 5 |
| 22 | Power Control With Imperfect Exchanges and Applications to Spectrum Sharing. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 3410-3423 | 4.8 | 5 |
| 21 | Convergence of the Z-Bus method and existence of unique solution in single-phase distribution load-flow 2016 , | | 5 |
| 20 | A Fixed-Point Iteration for Steady-State Analysis of Water Distribution Networks 2018 , | | 5 |
| 19 | Stochastic Planning of Distributed PV Generation. <i>Energies</i> , 2019 , 12, 459 | 3.1 | 4 |
| 18 | State Estimation in Water Distribution Networks through a New Successive Linear Approximation 2019 , | | 4 |
| 17 | Optimal Tap Selection of Step-Voltage Regulators in Multi-Phase Distribution Networks 2018 , | | 4 |
| 16 | A New Derivative-Free Linear Approximation for Solving the Network Water Flow Problem With Convergence Guarantees. <i>Water Resources Research</i> , 2020 , 56, no | 5.4 | 3 |
| 15 | Indoor WLAN localization using group sparsity optimization technique 2016 , | | 3 |
| 14 | A stochastic approximation approach to load shedding in power networks 2014 , | | 3 |
| 13 | Risk-averse placement and sizing of photovoltaic inverters in radial distribution networks 2015 , | | 3 |
| 12 | Assessing power system state estimation accuracy with GPS-spoofed PMU Measurements 2016 , | | 3 |
| 11 | Buildings-to-Grid Integration Framework 2018 , | | 3 |

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| 10 | Evolutionary Multi-Objective Cost and Privacy Driven Load Morphing in Smart Electricity Grid Partition. <i>Energies</i> , 2019 , 12, 2470 | 3.1 | 2 |
| 9 | Placing and sizing distributed photovoltaic generators for optimal reactive power compensation 2015 , | | 2 |
| 8 | Asynchronous subgradient methods with unbounded delays for communication networks 2012 , | | 2 |
| 7 | On the solution of the three-phase load-flow in distribution networks 2016 , | | 2 |
| 6 | Coupling Load-Following Control With OPF. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2495-2506 | 10.7 | 2 |
| 5 | Actuator selection for cyber-physical systems 2017 , | | 1 |
| 4 | Cross-layer optimization of wireless fading ad-hoc networks 2009 , | | 1 |
| 3 | Artificial Neural Network-Based Adaptive Voltage Regulation in Distribution Systems using Data-Driven Stochastic Optimization 2019 , | | 1 |
| 2 | On Static and Adaptive Policies for Chance-Constrained Voltage Regulation 2018 , | | 1 |
| 1 | Observers for Differential Algebraic Equation Models of Power Networks: Jointly Estimating Dynamic and Algebraic States. <i>IEEE Transactions on Control of Network Systems</i> , 2022 , 1-1 | 4 | 1 |