

# Vijay Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

4,637  
citations

218677

26  
h-index

123424

61  
g-index

204  
all docs

204  
docs citations

204  
times ranked

3755  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | On a stochastic sensor selection algorithm with applications in sensor scheduling and sensor coverage. <i>Automatica</i> , 2006, 42, 251-260.                                | 5.0  | 414       |
| 2  | State Estimation in Electric Power Grids: Meeting New Challenges Presented by the Requirements of the Future Grid. <i>IEEE Signal Processing Magazine</i> , 2012, 29, 33-43. | 5.6  | 349       |
| 3  | Optimal LQG control across packet-dropping links. <i>Systems and Control Letters</i> , 2007, 56, 439-446.  | 2.3  | 253       |
| 4  | Toward a Science of Cyber-Physical System Integration. <i>Proceedings of the IEEE</i> , 2012, 100, 29-44.  | 21.8 | 247       |
| 5  | Risk-Sensitive Control Under Markov Modulated Denial-of-Service (DoS) Attack Strategies. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 3299-3304.                | 5.7  | 189       |
| 6  | Stochastic Dynamic Pricing for EV Charging Stations With Renewable Integration and Energy Storage. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 1494-1505.              | 9.0  | 173       |
| 7  | Data Transmission Over Networks for Estimation and Control. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 1807-1819.   | 5.7  | 164       |
| 8  | Data-injection attacks in stochastic control systems: Detectability and performance tradeoffs. <i>Automatica</i> , 2017, 82, 251-260.  | 5.0  | 160       |
| 9  | Distributed Energy Management for Networked Microgrids Using Online ADMM With Regret. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 847-856.                             | 9.0  | 152       |
| 10 | A Cross-Domain Approach to Analyzing the Short-Run Impact of COVID-19 on the US Electricity Sector. <i>Joule</i> , 2020, 4, 2322-2337.                                       | 24.0 | 121       |
| 11 | On relationships among passivity, positive realness, and dissipativity in linear systems. <i>Automatica</i> , 2014, 50, 1003-1016.   | 5.0  | 120       |
| 12 | On Kalman Filtering with Compromised Sensors: Attack Stealthiness and Performance Bounds. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 6641-6648.               | 5.7  | 95        |
| 13 | Optimal Output Feedback Control Using Two Remote Sensors Over Erasure Channels. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 1463-1476.                         | 5.7  | 85        |
| 14 | Control of cyberphysical systems using passivity and dissipativity based methods. <i>European Journal of Control</i> , 2013, 19, 379-388.                                    | 2.6  | 85        |
| 15 | A sub-optimal algorithm to synthesize control laws for a network of dynamic agents. <i>International Journal of Control</i> , 2005, 78, 1302-1313.                           | 1.9  | 81        |
| 16 | State estimation over packet dropping networks using multiple description coding. <i>Automatica</i> , 2006, 42, 1441-1452.   | 5.0  | 81        |
| 17 | Placement of EV Charging Stations--Balancing Benefits Among Multiple Entities. <i>IEEE Transactions on Smart Grid</i> , 2015, , 1-10.  | 9.0  | 77        |
| 18 | Security in stochastic control systems: Fundamental limitations and performance bounds. , 2015, , .  |      | 75        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Stochastic Stability of Event-Triggered Anytime Control. IEEE Transactions on Automatic Control, 2014, 59, 3373-3379.                                      | 5.7 | 62        |
| 20 | Sensor Scheduling using Smart Sensors. , 2007, , .   |     | 56        |
| 21 | Optimal Operation Mode Selection for a DC Microgrid. IEEE Transactions on Smart Grid, 2016, 7, 2624-2632.  | 9.0 | 53        |
| 22 | Passivity and Dissipativity Analysis of a System and Its Approximation. IEEE Transactions on Automatic Control, 2017, 62, 620-635.                         | 5.7 | 51        |
| 23 | On Passivity of a Class of Discrete-Time Switched Nonlinear Systems. IEEE Transactions on Automatic Control, 2014, 59, 692-702.                            | 5.7 | 48        |
| 24 | On Kalman filtering in the presence of a compromised sensor: Fundamental performance bounds. , 2014, , .   |     | 45        |
| 25 | On the Trade-Off Between Communication and Control Cost in Event-Triggered Dead-Beat Control. IEEE Transactions on Automatic Control, 2017, 62, 2973-2980. | 5.7 | 44        |
| 26 | On Stability in the Presence of Analog Erasure Channel Between the Controller and the Actuator. IEEE Transactions on Automatic Control, 2010, 55, 175-179. | 5.7 | 41        |
| 27 | Networked State Estimation Over a Shared Communication Medium. IEEE Transactions on Automatic Control, 2017, 62, 1729-1741.                                | 5.7 | 41        |
| 28 | Scheduling algorithms for PHEV charging in shared parking lots. , 2012, , .  |     | 35        |
| 29 | Electric grid state estimators for distribution systems with microgrids. , 2012, , .   |     | 32        |
| 30 | On the robustness of distributed algorithms. , 2006, , .   |     | 31        |
| 31 | Tradeoffs in Stochastic Event-Triggered Control. IEEE Transactions on Automatic Control, 2019, 64, 2567-2574.  | 5.7 | 29        |
| 32 | Provably Safe Cruise Control of Vehicular Platoons. , 2017, 1, 262-267.  |     | 28        |
| 33 | On privacy vs. cooperation in multi-agent systems. International Journal of Control, 2018, 91, 1693-1707.  | 1.9 | 28        |
| 34 | On distributed charging control of electric vehicles with power network capacity constraints. , 2014, , .  |     | 27        |
| 35 | On disturbance propagation in leaderâ€“follower systems with limited leader information. Automatica, 2014, 50, 591-598.                                    | 5.0 | 27        |
| 36 | Sequence-Based Anytime Control. IEEE Transactions on Automatic Control, 2013, 58, 377-390.   | 5.7 | 26        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Distributed Charging Control of Electric Vehicles Using Online Learning. IEEE Transactions on Automatic Control, 2017, 62, 5289-5295.   | 5.7  | 26        |
| 38 | Minimal Interconnection Topology in Distributed Control Design. SIAM Journal on Control and Optimization, 2009, 48, 397-413.  | 2.1  | 25        |
| 39 | Risk-sensitive control under a class of denial-of-service attack models. , 2011, , .  |      | 25        |
| 40 | Average consensus over small world networks: A probabilistic framework. , 2008, , .   |      | 22        |
| 41 | An event-triggered protocol for distributed optimal coordination of double-integrator multi-agent systems. Neurocomputing, 2018, 319, 34-41.  | 5.9  | 21        |
| 42 | Distributed Synthesis of Local Controllers for Networked Systems With Arbitrary Interconnection Topologies. IEEE Transactions on Automatic Control, 2021, 66, 683-698.                              | 5.7  | 21        |
| 43 | Distributed Mixed Voltage Angle and Frequency Droop Control of Microgrid Interconnections With Loss of Distribution-PMU Measurements. IEEE Open Access Journal of Power and Energy, 2021, 8, 45-56. | 3.4  | 21        |
| 44 | Secure Networked Control Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 445-464.   | 11.8 | 21        |
| 45 | Determining Passivity Using Linearization for Systems With Feedthrough Terms. IEEE Transactions on Automatic Control, 2015, 60, 2536-2541.  | 5.7  | 20        |
| 46 | Weak Control for Human-in-the-Loop Systems. , 2019, 3, 440-445.   |      | 20        |
| 47 | Sufficient conditions for stabilizability over Gaussian relay and cascade channels. , 2010, , .   |      | 17        |
| 48 | Distributed Control over Failing Channels. , 0, , 325-342.  |      | 17        |
| 49 | Reliability Contracts Between Renewable and Natural Gas Power Producers. IEEE Transactions on Control of Network Systems, 2019, 6, 1075-1085.   | 3.7  | 16        |
| 50 | Power-delay analysis of consensus algorithms on wireless networks with interference. International Journal of Systems, Control and Communications, 2010, 2, 256.                                    | 0.3  | 15        |
| 51 | On Feedback Passivity of Discrete-Time Nonlinear Networked Control Systems With Packet Drops. IEEE Transactions on Automatic Control, 2015, 60, 2434-2439.  | 5.7  | 15        |
| 52 | Network-Constrained Stackelberg Game for Pricing Demand Flexibility in Power Distribution Systems. IEEE Transactions on Smart Grid, 2021, 12, 4049-4058.  | 9.0  | 15        |
| 53 | A Consumer Behavior Based Approach to Multi-Stage EV Charging Station Placement. , 2015, , .  |      | 14        |
| 54 | Protecting privacy of topology in consensus networks. , 2015, , .   |      | 14        |

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|----|--|------|-----------|
| 55 | A resilient design for cyber physical systems under attack. , 2017, , .  |      | 14        |
| 56 | Wideband dielectric resonator-loaded suspended microstrip patch antennas. Microwave and Optical Technology Letters, 2003, 37, 300-302.                                     | 1.4  | 13        |
| 57 | Feedback Stabilization of Bernoulli Jump Nonlinear Systems: A Passivity-Based Approach. IEEE Transactions on Automatic Control, 2015, 60, 2254-2259.                       | 5.7  | 13        |
| 58 | A Contract Design Approach for Phantom Demand Response. IEEE Transactions on Automatic Control, 2019, 64, 1974-1988.   | 5.7  | 13        |
| 59 | A Real Options Market-Based Approach to Increase Penetration of Renewables. IEEE Transactions on Smart Grid, 2020, 11, 1691-1701.  | 9.0  | 13        |
| 60 | Targeted demand response for mitigating price volatility and enhancing grid reliability in synthetic Texas electricity markets. IScience, 2022, 25, 103723.                | 4.1  | 13        |
| 61 | On an anytime algorithm for control. , 2009, , .   |      | 12        |
| 62 | Convergence Speed of the Consensus Algorithm With Interference and Sparse Long-Range Connectivity. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 855-865. | 10.8 | 12        |
| 63 | On the Effect of Stochastic Delay on Estimation. IEEE Transactions on Automatic Control, 2011, 56, 2145-2150.  | 5.7  | 12        |
| 64 | Input-to-state stability of hybrid systems with receding horizon control in the presence of packet dropouts. Automatica, 2012, 48, 1920-1923.                              | 5.0  | 12        |
| 65 | Stabilizability Across a Gaussian Product Channel: Necessary and Sufficient Conditions. IEEE Transactions on Automatic Control, 2014, 59, 2530-2535.                       | 5.7  | 12        |
| 66 | Conic-Sector-Based Analysis and Control Synthesis for Linear Parameter Varying Systems. , 2018, 2, 224-229.  |      | 12        |
| 67 | Risk-sensitive control under a Markov modulated Denial-of-Service attack model. , 2011, , .  |      | 11        |
| 68 | Designing optimal watermark signal for a stealthy attacker. , 2016, , .  |      | 11        |
| 69 | An incentive-based approach to distributed estimation with strategic sensors. , 2016, , .  |      | 11        |
| 70 | On Reliable Stabilization via Rectangular Dilated LMIs and Dissipativity-Based Certifications. IEEE Transactions on Automatic Control, 2013, 58, 792-796.                  | 5.7  | 10        |
| 71 | On the trade-off between control performance and communication cost for event-triggered control over lossy networks. , 2013, , .   |      | 10        |
| 72 | A Stochastic Sensor Selection Scheme for Sequential Hypothesis Testing With Multiple Sensors. IEEE Transactions on Signal Processing, 2015, 63, 3687-3699.                 | 5.3  | 10        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Feedback Passivation of Discrete-Time Systems Under Communication Constraints. IEEE Transactions on Automatic Control, 2016, 61, 3521-3526.                          | 5.7 | 10        |
| 74 | Feedback passivation of nonlinear switched systems using linear approximations. , 2017, , .  |     | 10        |
| 75 | Sequential Synthesis of Distributed Controllers for Cascade Interconnected Systems. , 2019, , .  |     | 10        |
| 76 | An Insurance Contract Design to Boost Storage Participation in the Electricity Market. IEEE Transactions on Sustainable Energy, 2021, 12, 543-552.                   | 8.8 | 10        |
| 77 | Optimal stationary state estimation over multiple Markovian packet drop channels. Automatica, 2021, 128, 109561.   | 5.0 | 10        |
| 78 | On Sensor Coverage by Mobile Sensors. , 2006, , .  |     | 9         |
| 79 | Noisy feedback schemes and rate-error tradeoffs from stochastic approximation. , 2009, , .   |     | 9         |
| 80 | Incentivizing truth-telling in MPC-based load frequency control. , 2016, , .   |     | 9         |
| 81 | On Passivity of Fractional Order Systems. SIAM Journal on Control and Optimization, 2019, 57, 1378-1389.   | 2.1 | 9         |
| 82 | Distributed constrained optimization for multi-agent systems over a directed graph with piecewise stepsize. Journal of the Franklin Institute, 2020, 357, 4855-4868. | 3.4 | 9         |
| 83 | Desynchronization of thermally-coupled first-order systems using economic model predictive control. , 2012, , .  |     | 8         |
| 84 | A networked control systems perspective for wide-area monitoring control of smart power grids. , 2013, , .   |     | 8         |
| 85 | A switched dynamical system framework for analysis of massively parallel asynchronous numerical algorithms. , 2015, , .  |     | 8         |
| 86 | Anytime Control Using Input Sequences With Markovian Processor Availability. IEEE Transactions on Automatic Control, 2015, 60, 515-521.                              | 5.7 | 8         |
| 87 | Dynamic Pricing and Energy Management Strategy for EV Charging Stations under Uncertainties. , 2016, , .   |     | 8         |
| 88 | On stability across a Gaussian product channel. , 2011, , .  |     | 7         |
| 89 | On the optimality of sequential test with multiple sensors. , 2012, , .  |     | 7         |
| 90 | A Reputation-Based Contract for Repeated Crowdsensing With Costly Verification. IEEE Transactions on Signal Processing, 2019, 67, 6092-6104.                         | 5.3 | 7         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Analysis of Two-Dimensional Feedback Systems Over Networks Using Dissipativity. IEEE Transactions on Automatic Control, 2020, 65, 3241-3255. | 5.7 | 7         |
| 92  | On anytime control of nonlinear processes through calculation of control sequences. , 2010, , .  |     | 6         |
| 93  | On Estimation Across Analog Erasure Links With and Without Acknowledgements. IEEE Transactions on Automatic Control, 2010, 55, 2896-2901.    | 5.7 | 6         |
| 94  | On LQR control with asynchronous clocks. , 2011, , .   |     | 6         |
| 95  | On a Control Algorithm for Time-Varying Processor Availability. IEEE Transactions on Automatic Control, 2013, 58, 743-748.                   | 5.7 | 6         |
| 96  | Networked control of smart grids with distributed generation. , 2013, , .  |     | 6         |
| 97  | Distributed charging control of electric vehicles using regret minimization. , 2014, , .   |     | 6         |
| 98  | Localization of disturbances in transportation systems. , 2015, , .  |     | 6         |
| 99  | An On-line Sensor Selection Algorithm for SPRT With Multiple Sensors. IEEE Transactions on Automatic Control, 2017, 62, 3532-3539.           | 5.7 | 6         |
| 100 | Strategic behavior and market power of aggregators in energy demand networks. , 2017, , .  |     | 6         |
| 101 | A reputation-based contract for repeated crowdsensing with costly verification. , 2017, , .  |     | 6         |
| 102 | Differential Privacy for Network Identification. IEEE Transactions on Control of Network Systems, 2020, 7, 266-277.                          | 3.7 | 6         |
| 103 | On disturbance propagation in vehicle platoon control systems. , 2012, , .   |     | 5         |
| 104 | On a rate control protocol for networked estimation. Automatica, 2013, 49, 1310-1317.  | 5.0 | 5         |
| 105 | An on-line sensor selection algorithm for sprt with multiple sensors. , 2014, , .  |     | 5         |
| 106 | Periodic coordinated attacks against cyber-physical systems: Detectability and performance bounds. , 2016, , .                               |     | 5         |
| 107 | Markov Pricing Equilibrium in a prosumer-aggregator dynamic game. , 2016, , .  |     | 5         |
| 108 | Optimal contract design for incentive-based demand response. , 2016, , .   |     | 5         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Minimizing risk of load shedding and renewable energy curtailment in a microgrid with energy storage. , 2017, , .   |     | 5         |
| 110 | Using natural gas reserves to mitigate intermittence of renewables in the day ahead market. , 2017, , .   |     | 5         |
| 111 | Data-driven Contract Design. , 2019, , .  |     | 5         |
| 112 | Passivity-based analysis of sampled and quantized control implementations. Automatica, 2020, 119, 109064.   | 5.0 | 5         |
| 113 | Mixed Voltage Angle and Frequency Droop Control for Transient Stability of Interconnected Microgrids with Loss of PMU Measurements. , 2020, , .                     |     | 5         |
| 114 | On Stability and Convergence of Distributed Filters. IEEE Signal Processing Letters, 2021, 28, 494-498.   | 3.6 | 5         |
| 115 | Cooperative communication with feedback via stochastic approximation. , 2009, , .   |     | 4         |
| 116 | Robust/reliable stabilization of multi-channel systems via dilated LMIs and dissipativity-based certifications. , 2011, , .   |     | 4         |
| 117 | Disturbance propagation in strings of vehicles with limited leader information. , 2012, , .   |     | 4         |
| 118 | Distributed Estimation. Academic Press Library in Signal Processing, 2014, 4, 675-706.  | 0.8 | 4         |
| 119 | Event-Triggered Communication in Parallel Computing. , 2018, , .  |     | 4         |
| 120 | Decentralized Verification for Dissipativity of Cascade Interconnected Systems. , 2019, , .   |     | 4         |
| 121 | Compositional Verification of Passivity for Cascade Interconnected Nonlinear Systems. , 2020, , .   |     | 4         |
| 122 | Safety During Transient Response in Direct Current Microgrids Using Control Barrier Functions. , 2022, 6, 337-342.  |     | 4         |
| 123 | On a control algorithm for time-varying processor availability. , 2010, , .   |     | 4         |
| 124 | Stealthy Hacking and Secrecy of Controlled State Estimation Systems With Random Dropouts. IEEE Transactions on Automatic Control, 2023, 68, 31-46.                  | 5.7 | 4         |
| 125 | Observing a linear process over analog erasure channels using multiple sensors: Necessary and sufficient conditions for mean-square stability. , 2007, , .          |     | 3         |
| 126 | Optimal tracking control across erasure communication links in the presence of preview. International Journal of Robust and Nonlinear Control, 2009, 19, 1837-1850. | 3.7 | 3         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | On a Control Lyapunov Function based Anytime Algorithm for Control of Nonlinear Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 85-90. | 0.4 | 3         |
| 128 | Sequential hypothesis testing with off-line randomized sensor selection strategy. , 2012, , .  |     | 3         |
| 129 | Disturbance propagation analysis in vehicle formations: An information-theoretic approach. , 2013, , .   |     | 3         |
| 130 | On the reliable decentralised stabilisation of $MIMO$ systems. International Journal of Control, 2014, 87, 1565-1572.  | 1.9 | 3         |
| 131 | The effect of delayed side information on fundamental limitations of disturbance attenuation. , 2015, , .  |     | 3         |
| 132 | Passivity degradation in discrete control implementations: An approximate bisimulation approach. , 2015, , .   |     | 3         |
| 133 | Passivity of Linear Parameter Varying systems with intermittent non-passive behavior. , 2015, , .  |     | 3         |
| 134 | Distributed control policies for localization of large disturbances in urban traffic networks. , 2017, , .   |     | 3         |
| 135 | Minimum variance unbiased estimation in the presence of an adversary. , 2017, , .  |     | 3         |
| 136 | Bilateral Contracts Between NGPPs and Renewable Plants Can Increase Penetration of Renewables. , 2018, , .   |     | 3         |
| 137 | Fast Parallel Computation using Periodic Synchronization. , 2018, , .  |     | 3         |
| 138 | Stabilizability Conditions for Linear Time Invariant Systems Across a Gaussian MAC Channel. IEEE Transactions on Automatic Control, 2019, 64, 2310-2323.                                 | 5.7 | 3         |
| 139 | Feedback Passivation of Linear Systems With Fixed-Structure Controllers. , 2020, 4, 498-503.   |     | 3         |
| 140 | Stabilization of Linear Systems Across a Time-Varying AWGN Fading Channel. IEEE Transactions on Automatic Control, 2020, 65, 4902-4907.  | 5.7 | 3         |
| 141 | Instant Distributed Model Predictive Control for Constrained Linear Systems. , 2020, , .   |     | 3         |
| 142 | A Bayesian Approach to Binary Classification of Mid-Infrared Spectral Data With Noisy Sensors. IEEE Sensors Journal, 2020, 20, 6964-6970.  | 4.7 | 3         |
| 143 | Towards a framework of enforcing resilient operation of cyber-physical systems with unknown dynamics. IET Cyber-Physical Systems: Theory and Applications, 2021, 6, 125-138.             | 3.3 | 3         |
| 144 | Coordinated Control of Robotic Fish Using an Underwater Wireless Network. , 2011, , 323-339.   |     | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Robustness Against Adversarial Attacks in Neural Networks Using Incremental Dissipativity. , 2022, 6, 2341-2346.  |     | 3         |
| 146 | Pricing Demand-Side Flexibility With Noisy Consumers: Mean-Variance Trade-Offs. IEEE Transactions on Power Systems, 2023, 38, 1151-1161.  | 6.5 | 3         |
| 147 | ON A STOCHASTIC ALGORITHM FOR SENSOR SCHEDULING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 278-283.  | 0.4 | 2         |
| 148 | Stabilization Using Multiple Sensors over Analog Erasure Channels. , 2007, , .  |     | 2         |
| 149 | On consensus over stochastically switching directed topologies. , 2009, , .   |     | 2         |
| 150 | Generalized passivity in discrete-time switched nonlinear systems. , 2012, , .  |     | 2         |
| 151 | Stochastic passivity of discrete-time Markovian jump nonlinear systems. , 2013, , .   |     | 2         |
| 152 | A further remark on the problem of reliable stabilization using rectangular dilated LMIs. IMA Journal of Mathematical Control and Information, 2013, 30, 571-575.                       | 1.7 | 2         |
| 153 | Improving control performance across AWGN channels using a relay node $\hat{\epsilon}$ . International Journal of Systems Science, 2014, 45, 1579-1588.                                 | 5.5 | 2         |
| 154 | Reliable decentralized stabilization via extended linear matrix inequalities and constrained dissipativity. International Journal of Robust and Nonlinear Control, 2014, 24, 2179-2193. | 3.7 | 2         |
| 155 | A Bode-Like Integral for Discrete Linear Time-Periodic Systems. IEEE Transactions on Automatic Control, 2015, 60, 2494-2499.  | 5.7 | 2         |
| 156 | Threshold optimization of event-triggered multi-loop control systems. , 2016, , .   |     | 2         |
| 157 | Incentive Design for Temporal Logic Objectives. , 2019, , .   |     | 2         |
| 158 | Privacy and security of cyberphysical systems. International Journal of Robust and Nonlinear Control, 2020, 30, 4165-4167.  | 3.7 | 2         |
| 159 | Distributed Resource Allocation Over Time-Varying Balanced Digraphs With Discrete-Time Communication. IEEE Transactions on Control of Network Systems, 2022, 9, 487-499.                | 3.7 | 2         |
| 160 | Optical Spectroscopy Sequential Wavelength Selection Using a Higher Leverage Approach. , 2021, 5, 1-4.  |     | 2         |
| 161 | Estimation and Control over Networks. , 2015, , 354-360.  |     | 2         |
| 162 | A Meta-Learning and Bounded Rationality Framework for Repeated Games in Adversarial Environments. , 2020, , .   |     | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Client Scheduling for Federated Learning over Wireless Networks: A Submodular Optimization Approach. , 2021, , .  |     | 2         |
| 164 | Predicting early failure of quantum cascade lasers during accelerated burn-in testing using machine learning. Scientific Reports, 2022, 12, .   | 3.3 | 2         |
| 165 | On estimation across analog erasure links with and without acknowledgements. , 2010, , .  |     | 1         |
| 166 | Characterization of feedback Nash equilibria for multi-channel systems via a set of non-fragile stabilizing state-feedback solutions and dissipativity inequalities. Mathematics of Control, Signals, and Systems, 2013, 25, 311-326. | 2.3 | 1         |
| 167 | On stabilizability of LTI systems across a Gaussian MAC channel. , 2013, , .  |     | 1         |
| 168 | Optimal charging profiles and pricing strategies for electric vehicle charging stations. , 2015, , .  |     | 1         |
| 169 | Energy efficient scheduling algorithms for pumping water in radial networks. , 2016, , .  |     | 1         |
| 170 | Collaborative processing in distributed control for resource constrained systems. IET Control Theory and Applications, 2017, 11, 1796-1806.   | 2.1 | 1         |
| 171 | Applications of group testing to security decision-making in networks. , 2017, , .  |     | 1         |
| 172 | Strategic Battery Storage Management of Aggregators in Energy Demand Networks. , 2018, , .  |     | 1         |
| 173 | Pricing Energy in the Presence of Renewables. , 2018, , .   |     | 1         |
| 174 | Incentive Design in a Distributed Problem with Strategic Agents. , 2018, , .  |     | 1         |
| 175 | Parallel Computation using Event-Triggered Communication. , 2019, , .   |     | 1         |
| 176 | Distributed convex optimization of discrete-time multi-agent systems: a new model. , 2019, , .  |     | 1         |
| 177 | An Incentive Scheme for Sensor Fusion With Strategic Sensors. IEEE Transactions on Signal Processing, 2019, 67, 6342-6351.  | 5.3 | 1         |
| 178 | Spatial modeling of mid-infrared spectral data with thermal compensation using integrated nested Laplace approximation. Applied Optics, 2021, 60, 8609.   | 1.8 | 1         |
| 179 | Detection of Attacks in Cyber-Physical Systems: Theory and Applications. Lecture Notes in Control and Information Sciences, 2021, , 79-98.  | 1.0 | 1         |
| 180 | Reinforcement Learning Based Distributed Control of Dissipative Networked Systems. IEEE Transactions on Control of Network Systems, 2022, 9, 856-866.   | 3.7 | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 181 | Weak Control Approach to Consumer-Preferred Energy Management. IFAC-PapersOnLine, 2020, 53, 17083-17088.  | 0.9 | 1         |
| 182 | Dissipativity-based Voltage Control in Distribution Grids. , 2022, , .  |     | 1         |
| 183 | On optimal preview control across erasure communication links. , 2008, , .  |     | 0         |
| 184 | On fusion of information from multiple sensors in the presence of analog erasure links. , 2009, , .   |     | 0         |
| 185 | On a rate control protocol for networked estimation. , 2011, , .  |     | 0         |
| 186 | Characterization of robust feedback Nash equilibrium for multi-channel systems. , 2012, , .   |     | 0         |
| 187 | Input-to-state stability of hybrid systems with receding horizon control in the presence of unreliable network packet dropouts. , 2012, , .   |     | 0         |
| 188 | A Bode-like integral for discrete-time linear periodic systems. , 2014, , .   |     | 0         |
| 189 | Passivity-based feedback stabilization for Bernoulli jump nonlinear systems. , 2014, , .  |     | 0         |
| 190 | Reply to "Comments on "Input-to-state stability of hybrid systems with receding horizon control in the presence of packet dropouts" [Automatica 48 (2012) 1920-1923]" Automatica, 2014, 50, 2429. | 5.0 | 0         |
| 191 | Encoding Multi-Resolution Brain Networks Using Unsupervised Deep Learning. , 2017, , .  |     | 0         |
| 192 | A game-theoretic approach to a task delegation problem. , 2017, , .   |     | 0         |
| 193 | Dissipativity-Based Verification for Autonomous Systems in Adversarial Environments. Studies in Systems, Decision and Control, 2021, , 273-291.   | 1.0 | 0         |
| 194 | Estimation and Control over Networks. , 2021, , 693-698.  |     | 0         |
| 195 | Effect of Network Geometry and Interference on Consensus in Wireless Networks. Springer Optimization and Its Applications, 2010, , 125-143.   | 0.9 | 0         |
| 196 | Estimation and Control over Networks. , 2014, , 1-7.  |     | 0         |
| 197 | - Foundations of Compositional Model-Based System Designs. , 2015, , 108-133.   |     | 0         |
| 198 | 2 Notations and Basic Assumptions. , 2018, , 922-923.   |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | On the Complexity of Sequential Incentive Design. IEEE Transactions on Automatic Control, 2022, 67, 5809-5824.                     | 5.7 | 0         |
| 200 | Data-Driven Contract Design for Multi-Agent Systems With Collusion Detection. IEEE Signal Processing Letters, 2022, 29, 1002-1006. | 3.6 | 0         |
| 201 | Distributed Learning-based Stability Assessment for Large Scale Networks of Dissipative Systems. , 2021, , .                       |     | 0         |
| 202 | Toll design for routing games with stochastic demands. , 2022, , 1-1.  |     | 0         |