# Lillian J Ratliff

## List of Publications by Year
in descending order

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|---|---|---|---|
| 56 papers | 553 citations | 1039406 9 h-index | 996533 15 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 437 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Characterization and computation of local Nash equilibria in continuous games. , 2013, , . | | 109 |
| 2 | On the Characterization of Local Nash Equilibria in Continuous Games. IEEE Transactions on Automatic Control, 2016, 61, 2301-2307. | 3.6 | 62 |
| 3 | On Gradient-Based Learning in Continuous Games. SIAM Journal on Mathematics of Data Science, 2020, 2, 103-131. | 1.0 | 39 |
| 4 | Energy management via pricing in LQ dynamic games. , 2013, , . | | 24 |
| 5 | Social game for building energy efficiency: Incentive design. , 2014, , . | | 19 |
| 6 | Fundamental limits of nonintrusive load monitoring. , 2014, , . | | 18 |
| 7 | Incentive Design and Utility Learning via Energy Disaggregation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3158-3163. | 0.4 | 18 |
| 8 | A Robust Utility Learning Framework via Inverse Optimization. IEEE Transactions on Control Systems Technology, 2018, 26, 954-970. | 3.2 | 17 |
| 9 | Energy disaggregation via adaptive filtering. , 2013, , . | | 15 |
| 10 | A Perspective on Incentive Design: Challenges and Opportunities. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 305-338. | 7.5 | 15 |
| 11 | Inverse Risk-Sensitive Reinforcement Learning. IEEE Transactions on Automatic Control, 2020, 65, 1256-1263. | 3.6 | 15 |
| 12 | Modeling Curbside Parking as a Network of Finite Capacity Queues. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1011-1022. | 4.7 | 14 |
| 13 | A dynamical systems approach to energy disaggregation. , 2013, , . | | 13 |
| 14 | Quantifying the Utility–Privacy Tradeoff in the Internet of Things. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-28. | 1.9 | 11 |
| 15 | Uncertainty in Multicommodity Routing Networks: When Does It Help?. IEEE Transactions on Automatic Control, 2020, 65, 4600-4615. | 3.6 | 10 |
| 16 | Blind Identification via Lifting. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10367-10372. | 0.4 | 9 |
| 17 | Inverse modeling of non-cooperative agents via mixture of utilities. , 2016, , . | | 9 |
| 18 | Data Driven Spatio-Temporal Modeling of Parking Demand. , 2018, , . | | 9 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Pricing in linear-quadratic dynamic games. , 2012, , . | | 8 |
| 20 | To observe or not to observe: Queuing game framework for urban parking. , 2016, , . | | 8 |
| 21 | Koopman Operator Approach for Instability Detection and Mitigation in Signalized Traffic. , 2018, , . | | 7 |
| 22 | Koopman Operator Applications in Signalized Traffic Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3214-3225. | 4.7 | 7 |
| 23 | Understanding the impact of parking on urban mobility via routing games on queue-flow networks. , 2016, , . | | 6 |
| 24 | Statistical estimation with strategic data sources in competitive settings. , 2017, , . | | 6 |
| 25 | Gradient-based inverse risk-sensitive reinforcement learning. , 2017, , . | | 6 |
| 26 | Optimizing curbside parking resources subject to congestion constraints. , 2017, , . | | 6 |
| 27 | Gaussian Mixture Models for Parking Demand Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3571-3580. | 4.7 | 6 |
| 28 | Competitive Statistical Estimation With Strategic Data Sources. IEEE Transactions on Automatic Control, 2020, 65, 1537-1551. | 3.6 | 6 |
| 29 | Adaptive Incentive Design. IEEE Transactions on Automatic Control, 2021, 66, 3871-3878. | 3.6 | 6 |
| 30 | Genericity and structural stability of non-degenerate differential Nash equilibria. , 2014, , . | | 5 |
| 31 | Nuclear norm minimization for blind subspace identification (N2BSID). , 2015, , . | | 5 |
| 32 | Analysis of the Godunov-Based Hybrid Model for Ramp Metering and Robust Feedback Control Design. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2132-2142. | 4.7 | 4 |
| 33 | Leveraging correlations in utility learning. , 2017, , . | | 4 |
| 34 | Energy Disaggregation and the Utility-Privacy Tradeoff. , 2018, , 409-444. | | 4 |
| 35 | Tolling for Constraint Satisfaction in Markov Decision Process Congestion Games. , 2019, , . | | 4 |
| 36 | An inverse correlated equilibrium framework for utility learning in multiplayer, noncooperative settings. , 2013, , . | | 3 |

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|---|---------|----|-----------|
| 37 | Smart building energy efficiency via social game: a robust utility learning framework for closing–the–loop. , 2016, , . | | 3 |
| 38 | Learning prospect theory value function and reference point of a sequential decision maker. , 2017, , . | | 3 |
| 39 | Uncertainty in Multi-Commodity Routing Networks: When does it help?. , 2018, , . | | 3 |
| 40 | Sensitivity Analysis for Markov Decision Process Congestion Games. , 2019, , . | | 3 |
| 41 | Privacy and customer segmentation in the smart grid. , 2014, , . | | 2 |
| 42 | Incentive Design for Temporal Logic Objectives. , 2019, , . | | 2 |
| 43 | Distributed Learning in Network Games: a Dual Averaging Approach. , 2019, , . | | 2 |
| 44 | Disturbance Decoupling for Gradient-Based Multi-Agent Learning With Quadratic Costs. , 2021, 5, 223-228. | | 2 |
| 45 | Pricing design for robustness in linear quadratic games. , 2013, , . | | 1 |
| 46 | Energy efficiency via incentive design and utility learning. , 2014, , . | | 1 |
| 47 | Pricing for Coordination in Open–Loop Differential Games. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9001-9006. | 0.4 | 1 |
| 48 | REST. , 2015, , . | | 1 |
| 49 | Mobilytics-Gym: A Simulation Framework for Analyzing Urban Mobility Decision Strategies. , 2019, , . | | 1 |
| 50 | Experiments with sensorimotor games in dynamic human/machine interaction. , 2019, , . | | 1 |
| 51 | Numerical Modeling of EM Pump Efficiency. , 2006, , 775. | | 0 |
| 52 | Lane pricing via decision-theoretic lane changing model of driver behavior. , 2015, , . | | 0 |
| 53 | Mobilytics- An Extensible, Modular and Resilient Mobility Platform. , 2018, , . | | 0 |
| 54 | Multi-Dimensional Continuous Type Population Potential Games. , 2019, , . | | 0 |

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|---|---------|----|-----------| 
| 55 | Local Nash Equilibria are Isolated, Strict Local Nash Equilibria in â€˜Almost Allâ€™ Zero-Sum Continuous Games. , 2019, , . | | 0 |
| 56 | Stability of Gradient Learning Dynamics in Continuous Games: Scalar Action Spaces. , 2020, , . | | 0 |