

Masashi Wakaiki

List of Publications by Year in descending order

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52
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times ranked

495
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Stability analysis of infinite-dimensional event-triggered and self-triggered control systems with Lipschitz perturbations. <i>Mathematical Control and Related Fields</i> , 2022, 12, 245. | 0.6 | 2 |
| 2 | Cell Zooming With Masked Data for Off-Grid Small Cell Networks: Distributed Optimization Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 1696-1710. | 3.2 | 1 |
| 3 | Stability of infinite-dimensional sampled-data systems with unbounded control operators and perturbations. <i>Systems and Control Letters</i> , 2022, 162, 105170. | 1.3 | 0 |
| 4 | Secure Communication Systems Using Distributed Parameter Chaotic Synchronization. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2021, 57, 78-85. | 0.1 | 5 |
| 5 | The Cayley transform of the generator of a polynomially stable C_0 -semigroup. <i>Journal of Evolution Equations</i> , 2021, 21, 4575-4597. | 0.6 | 2 |
| 6 | Secret Communication Systems Using Chaotic Wave Equations with Neural Network Boundary Conditions. <i>Entropy</i> , 2021, 23, 904. | 1.1 | 7 |
| 7 | State Estimation of Kermack-McKendrick PDE Model With Latent Period and Observation Delay. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 4982-4989. | 3.6 | 4 |
| 8 | Strong Stability of Sampled-Data Riesz-Spectral Systems. <i>SIAM Journal on Control and Optimization</i> , 2021, 59, 3498-3523. | 1.1 | 2 |
| 9 | An LMI Approach to Stability Analysis of Coupled Parabolic Systems. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 404-411. | 3.6 | 3 |
| 10 | Stabilization of Networked Control Systems Under DoS Attacks and Output Quantization. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3560-3575. | 3.6 | 62 |
| 11 | Sampled-data output regulation of unstable well-posed infinite-dimensional systems with constant reference and disturbance signals. <i>Mathematics of Control, Signals, and Systems</i> , 2020, 32, 43-100. | 1.4 | 4 |
| 12 | Event-Triggered Control of Infinite-Dimensional Systems. <i>SIAM Journal on Control and Optimization</i> , 2020, 58, 605-635. | 1.1 | 18 |
| 13 | Stability analysis of perturbed infinite-dimensional sampled-data systems. <i>Systems and Control Letters</i> , 2020, 138, 104652. | 1.3 | 6 |
| 14 | Boundary stabilization of first-order hyperbolic equations with input delay. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2019, 36, 325-355. | 0.5 | 4 |
| 15 | Privacy-Preserved Cell Zooming with Distributed Optimization in Green Networks. , 2019, , . | | 2 |
| 16 | Supervisory Control of Discrete-Event Systems Under Attacks. <i>Dynamic Games and Applications</i> , 2019, 9, 965-983. | 1.1 | 50 |
| 17 | A Control-Theoretic Approach for Cell Zooming of Energy Harvesting Small Cell Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2019, 3, 329-342. | 3.5 | 10 |
| 18 | Observer-Based Stabilization of Systems With Quantized Inputs and Outputs. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2929-2936. | 3.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Observer for a First-order Hyperbolic System with Time Lag in Nonlocal Boundary Condition. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 582-584. | 0.1 | 3 |
| 20 | Stability and ℓ^2 -Gain Analysis of Adaptive Control Systems With Event-Triggered Try-Once-Discard Protocols. , 2018, 2, 157-162. | | 5 |
| 21 | Backstepping Observers for Two Linearized Kermack-McKendrick Models. IFAC-PapersOnLine, 2018, 51, 456-461. | 0.5 | 5 |
| 22 | Quantized Output Feedback Stabilization under DoS Attacks. , 2018, , . | | 10 |
| 23 | Stabilization of Networked Control Systems Under Clock Offsets and Quantization. IEEE Transactions on Automatic Control, 2018, 63, 1708-1723. | 3.6 | 19 |
| 24 | LQ-Optimal Sampled-Data Control under Stochastic Delays: Gridding Approach for Stabilizability and Detectability. SIAM Journal on Control and Optimization, 2018, 56, 2634-2661. | 1.1 | 1 |
| 25 | Stabilization of systems with asynchronous sensors and controllers. Automatica, 2017, 81, 314-321. | 3.0 | 15 |
| 26 | Estimation of Network Traffic Status for Networked Control Systems with Data Dropout and Its Control. , 2017, , . | | 0 |
| 27 | Linear quadratic control for sampled-data systems with stochastic delays. , 2017, , . | | 2 |
| 28 | Delayed bet-hedging resilience strategies under environmental fluctuations. Physical Review E, 2017, 95, 052404. | 0.8 | 9 |
| 29 | Stabilization of Switched Linear Systems With Quantized Output and Switching Delays. IEEE Transactions on Automatic Control, 2017, 62, 2958-2964. | 3.6 | 52 |
| 30 | Quantized Output Feedback Stabilization by Luenberger Observers. IFAC-PapersOnLine, 2017, 50, 2577-2582. | 0.5 | 7 |
| 31 | Stabilisation of switched systems with sampled and quantised output feedback. IET Control Theory and Applications, 2017, 11, 1913-1921. | 1.2 | 14 |
| 32 | H^∞ Control Approach to Reduction of Energy Capacity of Energy Storage Systems. IEEJ Transactions on Power and Energy, 2017, 137, 596-597. | 0.1 | 0 |
| 33 | Robust stability under asynchronous sensing and control. , 2016, , . | | 0 |
| 34 | Dynamic analysis of bet-hedging strategies as a protection mechanism against environmental fluctuations. , 2016, , . | | 3 |
| 35 | L2-gain analysis of regenerative switched linear systems with sampled-data state-feedback control. , 2016, , . | | 1 |
| 36 | L2-gain analysis of systems with clock offsets. , 2016, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | SMT-Based Observer Design for Cyber-Physical Systems under Sensor Attacks. , 2016, , . | | 18 |
| 38 | Stability analysis of sampled-data switched systems with quantization. Automatica, 2016, 69, 157-168. | 3.0 | 72 |
| 39 | Stabilization of networked control systems with clock offsets. , 2015, , . | | 7 |
| 40 | Stabilization of discrete-time piecewise affine systems with quantized signals. , 2015, , . | | 6 |
| 41 | Control under clock offsets and actuator saturation. , 2015, , . | | 9 |
| 42 | Observability of linear systems under adversarial attacks. , 2015, , . | | 151 |
| 43 | Real-time control under clock offsets between sensors and controllers. , 2015, , . | | 7 |
| 44 | Sensitivity Reduction by Stable Controllers for MIMO Infinite Dimensional Systems via the Tangential Nevanlinna-Pick Interpolation. IEEE Transactions on Automatic Control, 2014, 59, 1099-1105. | 3.6 | 6 |
| 45 | Stable controller design for mixed sensitivity reduction of infinite-dimensional systems. Systems and Control Letters, 2014, 72, 80-85. | 1.3 | 4 |
| 46 | Quantized Feedback Stabilization of Sampled-Data Switched Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9979-9984. | 0.4 | 2 |
| 47 | Output feedback stabilization of switched linear systems with limited information. , 2014, , . | | 11 |
| 48 | Mixed sensitivity reduction for time-delay systems by stable controllers. , 2013, , . | | 1 |
| 49 | Stable controllers for robust stabilization of systems with infinitely many unstable poles. Systems and Control Letters, 2013, 62, 511-516. | 1.3 | 14 |
| 50 | Tangential Nevanlinna-Pick interpolation for strong stabilization of MIMO distributed parameter systems. , 2012, , . | | 1 |
| 51 | Sensitivity Reduction by Strongly Stabilizing Controllers for MIMO Distributed Parameter Systems. IEEE Transactions on Automatic Control, 2012, 57, 2089-2094. | 3.6 | 11 |
| 52 | Semi-uniform input-to-state stability of infinite-dimensional systems. Mathematics of Control, Signals, and Systems, 0, , . | 1.4 | 1 |