

Jun-ichi Imura

List of Publications by Year in descending order

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265
papers

2,492
citations

257450

24
h-index

289244

40
g-index

267
all docs

267
docs citations

267
times ranked

1677
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A Vehicle-Intersection Coordination Scheme for Smooth Flows of Traffic Without Using Traffic Lights. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1136-1147. | 8.0 | 182 |
| 2 | Characterization of well-posedness of piecewise-linear systems. IEEE Transactions on Automatic Control, 2000, 45, 1600-1619. | 5.7 | 179 |
| 3 | Smart Driving of a Vehicle Using Model Predictive Control for Improving Traffic Flow. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 878-888. | 8.0 | 98 |
| 4 | Model Reduction and Clusterization of Large-Scale Bidirectional Networks. IEEE Transactions on Automatic Control, 2014, 59, 48-63. | 5.7 | 76 |
| 5 | Least-restrictive move-blocking model predictive control. Automatica, 2010, 46, 1234-1240. | 5.0 | 59 |
| 6 | Dynamic Modeling, Stability, and Control of Power Systems With Distributed Energy Resources: Handling Faults Using Two Control Methods in Tandem. IEEE Control Systems, 2019, 39, 34-65. | 0.8 | 59 |
| 7 | Graph-Theoretic Analysis of Power Systems. Proceedings of the IEEE, 2018, 106, 931-952. | 21.3 | 58 |
| 8 | Development and Evaluation of an Adaptive Traffic Signal Control Scheme Under a Mixed-Automated Traffic Scenario. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 590-602. | 8.0 | 48 |
| 9 | Well-posedness analysis of switch-driven piecewise affine systems. IEEE Transactions on Automatic Control, 2003, 48, 1926-1935. | 5.7 | 43 |
| 10 | Clustered model reduction of positive directed networks. Automatica, 2015, 59, 238-247. | 5.0 | 42 |
| 11 | Bisimilar Finite Abstractions of Interconnected Systems. Lecture Notes in Computer Science, 2008, , 514-527. | 1.3 | 41 |
| 12 | Controllability Analysis of Biosystems Based on Piecewise-Affine Systems Approach. IEEE Transactions on Automatic Control, 2008, 53, 139-152. | 5.7 | 39 |
| 13 | Retrofit Control of Wind-Integrated Power Systems. IEEE Transactions on Power Systems, 2018, 33, 2804-2815. | 6.5 | 39 |
| 14 | Optimal control of sampled-data piecewise affine systems. Automatica, 2004, 40, 661-669. | 5.0 | 37 |
| 15 | Controlled invariant feasibility "A general approach to enforcing strong feasibility in MPC applied to move-blocking. Automatica, 2009, 45, 2869-2875. | 5.0 | 36 |
| 16 | Road-Speed Profile for Enhanced Perception of Traffic Conditions in a Partially Connected Vehicle Environment. IEEE Transactions on Vehicular Technology, 2018, 67, 6824-6837. | 6.3 | 33 |
| 17 | Ego noise suppression of a robot using template subtraction. , 2009, , . | | 32 |
| 18 | Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346. | 5.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Lebesgue piecewise affine approximation of nonlinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 92-102. | 3.5 | 31 |
| 20 | Deterministic finite automata representation for model predictive control of hybrid systems. <i>Journal of Process Control</i> , 2012, 22, 1670-1680. | 3.3 | 31 |
| 21 | Chaotic Boltzmann machines. <i>Scientific Reports</i> , 2013, 3, 1610. | 3.3 | 30 |
| 22 | Event-Driven Stochastic Eco-Driving Strategy at Signalized Intersections From Self-Driving Data. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8557-8569. | 6.3 | 29 |
| 23 | Box-Based Temporal Decomposition of Multi-Period Economic Dispatch for Two-Stage Robust Unit Commitment. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 3109-3118. | 6.5 | 27 |
| 24 | Classification and stabilizability analysis of bimodal piecewise affine systems. <i>International Journal of Robust and Nonlinear Control</i> , 2002, 12, 897-926. | 3.7 | 26 |
| 25 | Discrete Abstractions of Nonlinear Systems Based on Error Propagation Analysis. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 550-564. | 5.7 | 26 |
| 26 | Nonlinear spacing policy based vehicle platoon control for local string stability and global traffic flow stability. , 2015, , . | | 26 |
| 27 | Coordination of automated vehicles at a traffic-lightless intersection. , 2013, , . | | 25 |
| 28 | Glocal (global/local) control synthesis for hierarchical networked systems. , 2015, , . | | 24 |
| 29 | Spatiotemporally Multiresolutional Optimization Toward Supply-Demand-Storage Balancing Under PV Prediction Uncertainty. <i>IEEE Transactions on Smart Grid</i> , 2015, 6, 853-865. | 9.0 | 24 |
| 30 | Traffic Signal Control of a Road Network Using MILP in the MPC Framework. <i>International Journal of Intelligent Transportation Systems Research</i> , 2015, 13, 107-118. | 1.1 | 24 |
| 31 | Hierarchical distributed control for networked linear systems. , 2014, , . | | 22 |
| 32 | Robust stabilization of nonlinear systems by H ∞ state feedback. <i>Systems and Control Letters</i> , 1995, 24, 103-114. | 2.3 | 21 |
| 33 | Interval quadratic programming for day-ahead dispatch of uncertain predicted demand. <i>Automatica</i> , 2016, 64, 163-173. | 5.0 | 21 |
| 34 | Synthesis of optimal controllers for piecewise affine systems with sampled-data switching. <i>Automatica</i> , 2006, 42, 697-710. | 5.0 | 20 |
| 35 | Stabilization of Finite Automata with Application to Hybrid Systems Control. <i>Discrete Event Dynamic Systems: Theory and Applications</i> , 2011, 21, 519-545. | 1.5 | 20 |
| 36 | Robust Control of Robot Manipulators Based on Joint Torque Sensor Information. <i>International Journal of Robotics Research</i> , 1994, 13, 434-442. | 8.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Discrete-State Abstractions of Nonlinear Systems Using Multi-resolution Quantizer. Lecture Notes in Computer Science, 2009, , 351-365. | 1.3 | 19 |
| 38 | Effects of time delay in feedback control of linear quantum systems. Physical Review A, 2009, 79, . | 2.5 | 18 |
| 39 | Simultaneous optimization of slab permutation scheduling and heat controlling for a reheating furnace. Journal of Process Control, 2014, 24, 225-238. | 3.3 | 18 |
| 40 | Dissipativity-Preserving Model Reduction for Large-Scale Distributed Control Systems. IEEE Transactions on Automatic Control, 2015, 60, 1023-1037. | 5.7 | 18 |
| 41 | Average State Observers for Large-Scale Network Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 761-769. | 3.7 | 18 |
| 42 | Finite Abstractions of Discrete-time Linear Systems and Its Application to Optimal Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10201-10206. | 0.4 | 17 |
| 43 | Wind-thermal power system dispatch using MLSAD model and GSOICLW algorithm. Knowledge-Based Systems, 2017, 116, 94-101. | 7.1 | 17 |
| 44 | A Hamilton-Jacobi inequality approach to the strict H ∞ control problem of nonlinear systems. Automatica, 1996, 32, 645-650. | 5.0 | 16 |
| 45 | Chaotic Ising-like dynamics in traffic signals. Scientific Reports, 2013, 3, 1127. | 3.3 | 16 |
| 46 | Polynomial-Time Algorithm for Controllability Test of a Class of Boolean Biological Networks. Eurasip Journal on Bioinformatics and Systems Biology, 2010, 2010, 1-12. | 1.4 | 14 |
| 47 | Parametrization of all stabilizing controllers of nonlinear systems. Systems and Control Letters, 1997, 29, 207-213. | 2.3 | 13 |
| 48 | Clustering-based \mathcal{L}_2 -state aggregation of positive networks and its application to reduction of chemical master equations. , 2012, , . | | 13 |
| 49 | Clustered model reduction of interconnected second-order systems. Nonlinear Theory and Its Applications IEICE, 2015, 6, 26-37. | 0.6 | 13 |
| 50 | Molecular Governor: DNA Feedback Regulator for Molecular Robotics. SICE Journal of Control Measurement and System Integration, 2016, 9, 60-69. | 0.7 | 13 |
| 51 | Finite-time regulation property of DNA feedback regulator. Automatica, 2020, 114, 108826. | 5.0 | 13 |
| 52 | Multi-resolved dynamical system theory for large scale complex systems. , 2008, , . | | 12 |
| 53 | Control of Traffic Signals in a Model Predictive Control Framework. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 221-226. | 0.4 | 12 |
| 54 | Fuzzy-tuned model predictive control for dynamic eco-driving on hilly roads. Applied Soft Computing Journal, 2021, 99, 106875. | 7.2 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Modularity in Design of Dynamical Network Systems: Retrofit Control Approach. IEEE Transactions on Automatic Control, 2021, 66, 5205-5220. | 5.7 | 12 |
| 56 | Retrofit control with approximate environment modeling. Automatica, 2019, 107, 442-453. | 5.0 | 11 |
| 57 | Fast Online Reinforcement Learning Control Using State-Space Dimensionality Reduction. IEEE Transactions on Control of Network Systems, 2021, 8, 342-353. | 3.7 | 11 |
| 58 | Polynomial-Time Probabilistic Controllability Analysis of Discrete-Time Piecewise Affine Systems. IEEE Transactions on Automatic Control, 2007, 52, 2029-2046. | 5.7 | 10 |
| 59 | Model reduction of multi-input dynamical networks based on clusterwise controllability. , 2012, , . | | 10 |
| 60 | An instability condition for uncertain systems toward robust bifurcation analysis. , 2013, , . | | 10 |
| 61 | Bi-Level Coordinated Merging of Connected and Automated Vehicles at Roundabouts. Sensors, 2021, 21, 6533. | 3.8 | 10 |
| 62 | Adaptive Cruise Control with Look-Ahead Anticipation for Driving on Freeways. Applied Sciences (Switzerland), 2022, 12, 929. | 2.5 | 10 |
| 63 | A probabilistic approach to controllability/reachability analysis of hybrid systems. , 2004, , . | | 9 |
| 64 | Lebesgue Piecewise Affine Approximation of Nonlinear Systems and Its Application to Hybrid System Modeling of Biosystems. , 2006, , . | | 9 |
| 65 | Coarse speech recognition by audio-visual integration based on missing feature theory. , 2007, , . | | 9 |
| 66 | Piecewise affine systems approach to control of biological networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4977-4993. | 3.4 | 9 |
| 67 | Probabilistic evaluation of interconnectable capacity for wind power generation. European Physical Journal: Special Topics, 2014, 223, 2493-2501. | 2.6 | 9 |
| 68 | Control of Vehicular Traffic at an Intersection Using a Cyber-Physical Multiagent Framework. IEEE Transactions on Industrial Informatics, 2021, 17, 6230-6240. | 11.3 | 9 |
| 69 | Hybrid System Modeling and Model Predictive Control of a Hot Strip Mill Tension/Looper System. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2004, 90, 925-931. | 0.4 | 9 |
| 70 | Recursive feasibility guarantees in move-blocking MPC. , 2007, , . | | 8 |
| 71 | A hybrid framework for ego noise cancellation of a robot. , 2010, , . | | 8 |
| 72 | Reaction-diffusion clustering of single-input dynamical networks. , 2011, , . | | 8 |

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| 73 | Incremental learning for ego noise estimation of a robot. , 2011, , . | | 8 |
| 74 | Whole Body Motion Noise Cancellation of a Robot for Improved Automatic Speech Recognition. Advanced Robotics, 2011, 25, 1405-1426. | 1.8 | 8 |
| 75 | Robust bifurcation analysis based on the Nyquist stability criterion. , 2013, , . | | 8 |
| 76 | Distributed Temperature Regulator Design for an Air Conditioning System. IFAC-PapersOnLine, 2016, 49, 73-78. | 0.9 | 8 |
| 77 | Optimal scheduling of battery storage systems and thermal power plants for supply"demand balance. Control Engineering Practice, 2018, 77, 213-224. | 5.5 | 8 |
| 78 | Probabilistic Controllability Analysis of Sampled-Data/Discrete-Time Piecewise Affine Systems. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 703-712. | 0.2 | 8 |
| 79 | Least restrictive move-blocking model predictive control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11190-11195. | 0.4 | 7 |
| 80 | Polynomial-time controllability analysis of Boolean networks. , 2009, , . | | 7 |
| 81 | Oscillation analysis of linearly coupled piecewise affine systems: Application to spatio-temporal neuron dynamics. Automatica, 2011, 47, 1249-1254. | 5.0 | 7 |
| 82 | Hierarchical decentralized observer design for linearly coupled network systems. , 2011, , . | | 7 |
| 83 | Low-dimensional functional observer design for linear systems via observer reduction approach. , 2013, , . | | 7 |
| 84 | ROBUST BIFURCATION ANALYSIS OF SYSTEMS WITH DYNAMIC UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350157. | 1.7 | 7 |
| 85 | Structured model reduction of interconnected linear systems based on singular perturbation. , 2013, , . | | 7 |
| 86 | Robust stability and instability of nonlinear feedback system with uncertainty-dependent equilibrium. , 2014, , . | | 7 |
| 87 | Planning of Optimal Daily Power Generation Tolerating Prediction Uncertainty of Demand and Photovoltaics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3657-3662. | 0.4 | 7 |
| 88 | Damping performance improvement for PV-integrated power grids via retrofit control. Control Engineering Practice, 2019, 84, 92-101. | 5.5 | 7 |
| 89 | Minimal Representation of Finite Automata for Hybrid Systems Control. , 2006, , . | | 6 |
| 90 | Non-linear prediction horizon time-discretization for model predictive control of linear sampled-data systems. , 2006, , . | | 6 |

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| 91 | Assessment of single-channel ego noise estimation methods. , 2011, , . | | 6 |
| 92 | Analysis and stabilization for networked linear hyperbolic systems of rationally dependent conservation laws. Automatica, 2013, 49, 3210-3221. | 5.0 | 6 |
| 93 | Traffic Signal Control in an MPC Framework Using Mixed Integer Programming. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 645-650. | 0.4 | 6 |
| 94 | Projective state observers for large-scale linear systems. , 2014, , . | | 6 |
| 95 | Clustered model reduction of networked dissipative systems. , 2016, , . | | 6 |
| 96 | A Distributed Scheme for Power Profile Market Clearing under High Battery Penetration * *This work was supported by JST CREST Grant Number JP-MJCR15K1, Japan.. IFAC-PapersOnLine, 2017, 50, 165-170. | 0.9 | 6 |
| 97 | Parameterization of All State-Feedback Retrofit Controllers. , 2018, , . | | 6 |
| 98 | Optimal Scheduling of Storage Batteries and Power Generators Based on Interval Prediction of Photovoltaicsâ€™ Monotonicity Analysis for State of Charge. , 2020, 4, 49-54. | | 6 |
| 99 | Three-Stage Robust Unit Commitment Considering Decreasing Uncertainty in Wind Power Forecasting. IEEE Transactions on Industrial Informatics, 2022, 18, 796-806. | 11.3 | 6 |
| 100 | Data-driven Estimation and Maximization of Controllability Gramians. , 2021, , . | | 6 |
| 101 | STRONG FEASIBILITY IN INPUT-MOVE-BLOCKING MODEL PREDICTIVE CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 816-821. | 0.4 | 5 |
| 102 | Performance Measures in Model Predictive Control with Non-linear Prediction Horizon Time-discretization. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 883-891. | 0.2 | 5 |
| 103 | State waypoint approach to continuousâ€™time nonlinear optimal control problems. Asian Journal of Control, 2009, 11, 669-676. | 3.0 | 5 |
| 104 | Robust Ego Noise Suppression of a Robot. Lecture Notes in Computer Science, 2010, , 62-71. | 1.3 | 5 |
| 105 | Extraction of 1-dimensional reaction-diffusion structure in SISO linear dynamical networks. , 2010, , . | | 5 |
| 106 | Hierarchical distributed stabilization of power networks. European Physical Journal: Special Topics, 2014, 223, 2461-2473. | 2.6 | 5 |
| 107 | Model predictive control of directedâ€™graph constrained systems. International Journal of Robust and Nonlinear Control, 2015, 25, 142-162. | 3.7 | 5 |
| 108 | Convex gradient controller design for incrementally passive systems with quadratic storage functions. , 2016, , . | | 5 |

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| 109 | Retrofitting state feedback control of networked nonlinear systems based on hierarchical expansion. , 2016, , . | | 5 |
| 110 | Eco-driving on Hilly Roads Using Model Predictive Control. , 2018, , . | | 5 |
| 111 | Robustness of DNA Strand Displacement Systems†. IFAC-PapersOnLine, 2018, 51, 32-37. | 0.9 | 5 |
| 112 | Machine Learning Approach to Day-Ahead Scheduling for Multiperiod Energy Markets Under Renewable Energy Generation Uncertainty. , 2018, , . | | 5 |
| 113 | Day-ahead energy market as adjustable robust optimization: Spatio-temporal pricing of dispatchable generators, storage batteries, and uncertain renewable resources. Energy Economics, 2020, 91, 104912. | 12.1 | 5 |
| 114 | Probabilistic controllability analysis of sampled-data/discrete-time piecewise affine systems. , 2004, , . | | 5 |
| 115 | Machine-based modeling of conveyor-type flowshops with application to scheduling and temperature control in slab reheating furnace. , 2010, , . | | 4 |
| 116 | Ego noise cancellation of a robot using missing feature masks. Applied Intelligence, 2011, 34, 360-371. | 5.3 | 4 |
| 117 | Instability criteria for Lur'e systems toward oscillation analysis of uncertain gene networks. , 2013, , . | | 4 |
| 118 | Hierarchical distributed design of stabilizing controllers for an evolving network system. , 2015, , . | | 4 |
| 119 | Power system operation with battery charge/discharge scheduling based on interval analysis. Journal of International Council on Electrical Engineering, 2016, 6, 57-64. | 0.4 | 4 |
| 120 | Realization of highly anticipative driving in a partially connected vehicle environment. , 2017, , . | | 4 |
| 121 | Glocal control for network systems via hierarchical state-space expansion. , 2017, , . | | 4 |
| 122 | Optimal bidding strategy for multiperiod electricity market with consideration of PV prediction uncertainty. , 2017, , . | | 4 |
| 123 | Synchronization and Aggregation of Nonlinear Power Systems with Consideration of Bus Network Structures. , 2018, , . | | 4 |
| 124 | Minimality of Finite Automata Representation in Hybrid Systems Control. , 2007, , 343-356. | | 4 |
| 125 | Battery Charge Cycle Planning based on Uncertain Photovoltaic Power Prediction Towards Minimization of Reserve Generating Capacity. IEEE Transactions on Power and Energy, 2014, 134, 545-557. | 0.2 | 4 |
| 126 | Rigorous determination of maximum controlled invariant feasible sets. , 2009, , . | | 4 |

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| 127 | Well-Posedness of a Class of Piecewise Linear Systems with No Jumps. Lecture Notes in Computer Science, 1999, , 123-136. | 1.3 | 4 |
| 128 | Look-Ahead Driving Schemes for Efficient Control of Automated Vehicles on Urban Roads. IEEE Transactions on Vehicular Technology, 2022, 71, 1280-1292. | 6.3 | 4 |
| 129 | Experiments of Twin-Rotor Helicopter model using Exact Linearization via Dynamic State Feedback.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 2630-2637. | 0.2 | 3 |
| 130 | Optimal continuous-time control of sampled-data piecewise affine systems. , 0, , . | | 3 |
| 131 | Approximate continuous-time optimal control in obstacle by time/space discretization of non-convex constraints. , 0, , . | | 3 |
| 132 | Polynomial-time probabilistic observability analysis of sampled-data piecewise affine systems. Systems and Control Letters, 2007, 56, 685-694. | 2.3 | 3 |
| 133 | Stability analysis of 2-dimensional fluid flow based on sum of squares relaxation. , 2008, , . | | 3 |
| 134 | Multi-talker speech recognition under ego-motion noise using Missing Feature Theory. , 2010, , . | | 3 |
| 135 | Model order reduction for MIMO linear dynamical networks via Reaction-Diffusion transformation. , 2011, , . | | 3 |
| 136 | Network Clustering for SISO Linear Dynamical Networks via Reaction-Diffusion Transformation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5639-5644. | 0.4 | 3 |
| 137 | Distributed parameter modeling and finite-frequency loop-shaping of electromagnetic molding machine. Control Engineering Practice, 2013, 21, 1735-1743. | 5.5 | 3 |
| 138 | Saddle-node bifurcation and its robustness analysis: A mechanism for inducing pluripotency in stem cell. , 2014, , . | | 3 |
| 139 | Multiresolved control of discrete-time linear systems based on redundant realization via Wedderburn rank reduction. , 2015, , . | | 3 |
| 140 | Molecular governor that regulates DNA reactions for molecular robotics. , 2015, , . | | 3 |
| 141 | Positive quadratic system representation of molecular interaction in a cell. , 2015, , . | | 3 |
| 142 | Day-ahead scheduling for supply-demand-storage balancing - model predictive generation with interval prediction of photovoltaics. , 2015, , . | | 3 |
| 143 | Observer design of positive quadratic systems. , 2016, , . | | 3 |
| 144 | Bidding system design for multiperiod electricity markets: Pricing of stored energy shiftability. , 2017, , . | | 3 |

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| 145 | Hybrid Method of Two-Stage Stochastic and Robust Unit Commitment. , 2019, , . | | 3 |
| 146 | Parameterization of All Output-Rectifying Retrofit Controllers. IEEE Transactions on Automatic Control, 2022, 67, 2537-2543. | 5.7 | 3 |
| 147 | Disconnection-Aware Attack Detection and Isolation With Separation-Based Detector Reconfiguration. IEEE Transactions on Control Systems Technology, 2022, 30, 1625-1640. | 5.2 | 3 |
| 148 | Network-Wide Optimization of Traffic Signals Using Mixed Integer Programming. Journal of Robotics and Mechatronics, 2014, 26, 607-615. | 1.0 | 3 |
| 149 | A Look-ahead Car Following Scheme for Efficient Driving on Urban Roads. IFAC-PapersOnLine, 2020, 53, 13836-13841. | 0.9 | 3 |
| 150 | Disconnection-aware Attack Detection in Networked Control Systems. IFAC-PapersOnLine, 2020, 53, 3515-3520. | 0.9 | 3 |
| 151 | Controllability of Sampled-Data Piecewise Affine Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 99-104. | 0.4 | 2 |
| 152 | Observability and Mode-Sequence Estimability of Piecewise Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 539-544. | 0.4 | 2 |
| 153 | An M -Matrix Based Efficient Algorithm for Model Predictive Control of Input Constrained Linear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 743-748. | 0.4 | 2 |
| 154 | Time-Sequence Based Modeling of Finite Automata in Model Predictive Control of Hybrid Systems. Proceedings of the American Control Conference, 2007, , . | 0.0 | 2 |
| 155 | Approximately bisimilar finite-state modeling of interconnected systems. , 2008, , . | | 2 |
| 156 | Global feedback stabilization of quantum noiseless subsystems. , 2009, , . | | 2 |
| 157 | Boundary Feedback Control of Coupled Hyperbolic Linear PDEs Systems with Nonlinear Boundary Conditions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14464-14469. | 0.4 | 2 |
| 158 | Model-free Unscented Kalman Filter with the Modified Method of Analogues. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 40-44. | 0.4 | 2 |
| 159 | Efficient control of vehicles in congested traffic using model predictive control. , 2012, , . | | 2 |
| 160 | Controllability of a class of networked passive linear systems. , 2013, , . | | 2 |
| 161 | Dissipativity-preserving model reduction based on generalized singular perturbation. , 2013, , . | | 2 |
| 162 | Robust Moving Horizon H_{∞} Control of Discrete Time-Delayed Systems with Interval Time-Varying Delays. Mathematical Problems in Engineering, 2014, 2014, 1-13. | 1.1 | 2 |

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|-----|--|-----|-----------|
| 163 | Hierarchical decentralized observers for networked linear systems. , 2014, , . | | 2 |
| 164 | Mathematical Theory for Modelling Complex Systems and Its Transdisciplinary Applications in Science and Technology. Ieice Ess Fundamentals Review, 2015, 8, 218-228. | 0.1 | 2 |
| 165 | Absolute instability of Lur'e systems and its application to oscillation analysis of uncertain genetic networks. International Journal of Robust and Nonlinear Control, 2015, 25, 3746-3762. | 3.7 | 2 |
| 166 | Eigenstructure analysis from symmetrical graph motives with application to aggregated controller design. , 2016, , . | | 2 |
| 167 | A retrofitting-based supplementary controller design for enhancing damping performance of wind power systems. , 2017, , . | | 2 |
| 168 | Distributed Design of Local Controllers for Transient Stabilization in Power Grids. IFAC-PapersOnLine, 2017, 50, 5430-5435. | 0.9 | 2 |
| 169 | Traffic optimization via road pricing for queuing and flow congestion. , 2017, , . | | 2 |
| 170 | A bounding method for solution of economic dispatch problem with uncertain PV power generation. , 2017, , . | | 2 |
| 171 | Robust Index Code to Distribute Digital Images and Digital Contents Together. IEICE Transactions on Information and Systems, 2018, E101.D, 2179-2189. | 0.7 | 2 |
| 172 | Retrofitting Based Power System Stabilizer Design of PV-Integrated Power Systems. , 2018, , . | | 2 |
| 173 | A Gaussian Process-based Self-Organizing Incremental Neural Network. , 2019, , . | | 2 |
| 174 | Hierarchical Model Decomposition for Distributed Design of Glocal Controllers. , 2019, , . | | 2 |
| 175 | Early Detection of a Traffic Flow Breakdown in the Freeway Based on Dynamical Network Markers. International Journal of Intelligent Transportation Systems Research, 2020, 18, 422-435. | 1.1 | 2 |
| 176 | Robust Index Code with Digital Images on the Internet. , 2016, , . | | 2 |
| 177 | The price of connectedness in graph partitioning problems. , 2019, , . | | 2 |
| 178 | Characterization of some gain conditions via the Hamilton-Jacobi inequality. Systems and Control Letters, 1996, 28, 263-271. | 2.3 | 1 |
| 179 | Model predictive control for continuous-time piecewise affine systems based on mode controllability. , 2006, , . | | 1 |
| 180 | Efficient Modeling of Piecewise Affine Systems in Model Predictive Control. , 2006, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Model predictive control of directed-graph type hybrid systems. , 2007, , . | | 1 |
| 182 | Optimal control of linear quantum systems despite feedback delay. , 2008, , . | | 1 |
| 183 | Multiresolution discrete abstraction for optimal control. , 2010, , . | | 1 |
| 184 | Controllability and observability of networked systems of linear hyperbolic partial differential equations. , 2011, , . | | 1 |
| 185 | Controlling a class of hyperbolic distributed parameter systems producing ideal turbulence. , 2011, , . | | 1 |
| 186 | Instability of uncertain large-scale networks. , 2013, , . | | 1 |
| 187 | Knock-out/down-based structure identification in networks of heterogeneous subsystems. , 2013, , . | | 1 |
| 188 | Robustness Analysis of Genetic Circuits Constructed by Bottom-up Strategy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1736-1741. | 0.4 | 1 |
| 189 | Robust hyperbolicity of multiple equilibria and analysis of the cellular reprogramming process. , 2015, , . | | 1 |
| 190 | Positive Quadratic System Approximate Representation of Nonlinear Systems. IFAC-PapersOnLine, 2015, 48, 65-70. | 0.9 | 1 |
| 191 | Notice of Removal Study on fair battery control in residential sector considering with grid operator's request. , 2015, , . | | 1 |
| 192 | Average state kalman filters for large-scale stochastic networked linear systems. , 2015, , . | | 1 |
| 193 | Notice of Removal: Day-ahead scheduling for model predictive power generation based on interval prediction of photovoltaics "generalization to multiple generators. , 2015, , . | | 1 |
| 194 | Time-shifted request scheduling for supply-demand-storage balancing under prediction uncertainty of photovoltaics. , 2015, , . | | 1 |
| 195 | Day-ahead Scheduling of Multiple Thermal Power Plants with Output Constraints Based on PV Interval Prediction. IFAC-PapersOnLine, 2017, 50, 245-250. | 0.9 | 1 |
| 196 | Robust Profit Maximization in Multiperiod Energy Markets with Interval Prediction of Photovoltaics. IFAC-PapersOnLine, 2018, 51, 628-633. | 0.9 | 1 |
| 197 | Day-ahead Strategic Marketing of Energy Prosumption: A Machine Learning Approach Based on Neural Networks. , 2019, , . | | 1 |
| 198 | A Gaussian process-based Incremental Neural Network for Online Clustering. , 2019, , . | | 1 |

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