

Jun-ichi Imura

List of Publications by Year in descending order

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265
papers

2,492
citations

257101

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docs citations

267
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Stage Robust Unit Commitment Considering Decreasing Uncertainty in Wind Power Forecasting. IEEE Transactions on Industrial Informatics, 2022, 18, 796-806.	7.2	6
2	Parameterization of All Output-Rectifying Retrofit Controllers. IEEE Transactions on Automatic Control, 2022, 67, 2537-2543.	3.6	3
3	Disconnection-Aware Attack Detection and Isolation With Separation-Based Detector Reconfiguration. IEEE Transactions on Control Systems Technology, 2022, 30, 1625-1640.	3.2	3
4	Look-Ahead Driving Schemes for Efficient Control of Automated Vehicles on Urban Roads. IEEE Transactions on Vehicular Technology, 2022, 71, 1280-1292.	3.9	4
5	Adaptive Cruise Control with Look-Ahead Anticipation for Driving on Freeways. Applied Sciences (Switzerland), 2022, 12, 929.	1.3	10
6	Fuzzy-tuned model predictive control for dynamic eco-driving on hilly roads. Applied Soft Computing Journal, 2021, 99, 106875.	4.1	12
7	Fast Online Reinforcement Learning Control Using State-Space Dimensionality Reduction. IEEE Transactions on Control of Network Systems, 2021, 8, 342-353.	2.4	11
8	Safe-update of bi-layered controller and its application to power systems. SICE Journal of Control Measurement and System Integration, 2021, 14, 90-96.	0.4	0
9	Control of Vehicular Traffic at an Intersection Using a Cyber-Physical Multiagent Framework. IEEE Transactions on Industrial Informatics, 2021, 17, 6230-6240.	7.2	9
10	Bi-Level Coordinated Merging of Connected and Automated Vehicles at Roundabouts. Sensors, 2021, 21, 6533.	2.1	10
11	Modularity in Design of Dynamical Network Systems: Retrofit Control Approach. IEEE Transactions on Automatic Control, 2021, 66, 5205-5220.	3.6	12
12	Two-Stage Robust Unit Commitment with Uncertain Demand Response. , 2021, , .		1
13	Monotonicity Analysis of Day-Ahead Power Scheduling of Two Storage Batteries Based on PV Interval Prediction. , 2021, , .		0
14	Data-driven Estimation and Maximization of Controllability Gramians. , 2021, , .		6
15	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.	4.7	48
16	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
17	Performance Improvement via Iterative Connection of Passive Systems. IEEE Transactions on Automatic Control, 2020, 65, 1325-1332.	3.6	0
18	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.	0.6	2

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19	Day-ahead energy market as adjustable robust optimization: Spatio-temporal pricing of dispatchable generators, storage batteries, and uncertain renewable resources. <i>Energy Economics</i> , 2020, 91, 104912.	5.6	5
20	Finite-time regulation property of DNA feedback regulator. <i>Automatica</i> , 2020, 114, 108826.	3.0	13
21	Analysis of Profit Maximization Problem in Multiperiod Energy Markets with Uncertain Photovoltaics Power. <i>SICE Journal of Control Measurement and System Integration</i> , 2020, 13, 9-15.	0.4	0
22	A Look-ahead Car Following Scheme for Efficient Driving on Urban Roads. <i>IFAC-PapersOnLine</i> , 2020, 53, 13836-13841.	0.5	3
23	Economic Dispatch Cost Reduction in Box-based Robust Unit Commitment. <i>IFAC-PapersOnLine</i> , 2020, 53, 13248-13253.	0.5	0
24	A Gaussian Process-Based Incremental Neural Network for Online Regression. <i>Lecture Notes in Computer Science</i> , 2020, , 149-161.	1.0	0
25	Disconnection-aware Attack Detection in Networked Control Systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 3515-3520.	0.5	3
26	Day-ahead Scheduling Method for Electricity Markets Using Neural Networks. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2020, 56, 57-66.	0.1	0
27	Hybrid Method of Two-Stage Stochastic and Robust Unit Commitment. , 2019, , .		3
28	Event-Driven Stochastic Eco-Driving Strategy at Signalized Intersections From Self-Driving Data. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 8557-8569.	3.9	29
29	Stabilization of Matching via Negotiation for Sharing Systems and Its Application to a Ride-Share Problem. , 2019, , .		0
30	Retrofit control with approximate environment modeling. <i>Automatica</i> , 2019, 107, 442-453.	3.0	11
31	Day-ahead Strategic Marketing of Energy Prosumption: A Machine Learning Approach Based on Neural Networks. , 2019, , .		1
32	A Gaussian Process-based Self-Organizing Incremental Neural Network. , 2019, , .		2
33	Damping performance improvement for PV-integrated power grids via retrofit control. <i>Control Engineering Practice</i> , 2019, 84, 92-101.	3.2	7
34	Dynamic Modeling, Stability, and Control of Power Systems With Distributed Energy Resources: Handling Faults Using Two Control Methods in Tandem. <i>IEEE Control Systems</i> , 2019, 39, 34-65.	1.0	59
35	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.	4.6	27
36	A Stochastic-Programming-Based Coupled Constraint Equilibrium Problem Under PV Uncertainty in Day-Ahead Energy Market. , 2019, , .		0

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37	A Gaussian process-based Incremental Neural Network for Online Clustering. , 2019, , .		1
38	Hierarchical Model Decomposition for Distributed Design of Glocal Controllers. , 2019, , .		2
39	Disturbance Sensitivity Analysis of Evolving Network Systems from Viewpoint of Network Structure. , 2019, , .		0
40	Retrofit Control of Power Systems: Cooperation of Decentralized Controller and Global Controller. , 2019, , .		0
41	Model Predictive Control Based Data-Driven Retrofit Controller for Network Systems. , 2019, , .		0
42	Distributed Design of Smart Grids for Large-Scalability and Evolution. Power Electronics and Power Systems, 2019, , 117-128.	0.6	0
43	Quantitative Analysis of Controller Design Localizability. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 148-155.	0.1	0
44	Machine Learning Approach to Day-ahead Scheduling for Multi-period Energy Markets. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 593-601.	0.1	0
45	The price of connectedness in graph partitioning problems. , 2019, , .		2
46	Retrofit Control of Wind-Integrated Power Systems. IEEE Transactions on Power Systems, 2018, 33, 2804-2815.	4.6	39
47	Graph-Theoretic Analysis of Power Systems. Proceedings of the IEEE, 2018, 106, 931-952.	16.4	58
48	Transient Response Improvement for Interconnected Linear Systems: A Low-Dimensional Controller Retrofit Approach. IEEE Transactions on Control of Network Systems, 2018, 5, 1796-1808.	2.4	0
49	A Bounding Method for Day-Ahead Economic Dispatch with a Dynamic Uncertainty Set of PV Power Output. SIICE Journal of Control Measurement and System Integration, 2018, 11, 256-262.	0.4	0
50	Robust Index Code to Distribute Digital Images and Digital Contents Together. IEICE Transactions on Information and Systems, 2018, E101.D, 2179-2189.	0.4	2
51	Day-ahead allocation of planned power flow and real-time operation method for residential houses with photovoltaic and battery for maximum use of distributed batteries. Japanese Journal of Applied Physics, 2018, 57, 08RH03.	0.8	0
52	Eco-driving on Hilly Roads Using Model Predictive Control. , 2018, , .		5
53	Synchronization and Aggregation of Nonlinear Power Systems with Consideration of Bus Network Structures. , 2018, , .		4
54	Linear combination of day-ahead charge/discharge scheduling toward multi objective analysis of energy management system. Japanese Journal of Applied Physics, 2018, 57, 08RH02.	0.8	0

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55	Robust Profit Maximization in Multiperiod Energy Markets with Interval Prediction of Photovoltaics. IFAC-PapersOnLine, 2018, 51, 628-633.	0.5	1
56	Robustness of DNA Strand Displacement Systems. IFAC-PapersOnLine, 2018, 51, 32-37.	0.5	5
57	Retrofit Control of Network Systems under Measurement Noise. IFAC-PapersOnLine, 2018, 51, 80-85.	0.5	0
58	Parameterization of All State-Feedback Retrofit Controllers. , 2018, , .		6
59	Machine Learning Approach to Day-Ahead Scheduling for Multiperiod Energy Markets Under Renewable Energy Generation Uncertainty. , 2018, , .		5
60	Min-max-min Robust optimization for Adaptivity-Constrained Economic Dispatch*. , 2018, , .		0
61	Retrofitting Based Power System Stabilizer Design of PV-Integrated Power Systems. , 2018, , .		2
62	Road-Speed Profile for Enhanced Perception of Traffic Conditions in a Partially Connected Vehicle Environment. IEEE Transactions on Vehicular Technology, 2018, 67, 6824-6837.	3.9	33
63	Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346.	3.0	32
64	Optimal scheduling of battery storage systems and thermal power plants for supply-demand balance. Control Engineering Practice, 2018, 77, 213-224.	3.2	8
65	Average State Observers for Large-Scale Network Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 761-769.	2.4	18
66	Wind-thermal power system dispatch using MLSAD model and GSOICLW algorithm. Knowledge-Based Systems, 2017, 116, 94-101.	4.0	17
67	Fast parallel calculation for optimal power demand control in multi-layer smart grids. , 2017, , .		0
68	Day-ahead Scheduling of Multiple Thermal Power Plants with Output Constraints Based on PV Interval Prediction. IFAC-PapersOnLine, 2017, 50, 245-250.	0.5	1
69	A retrofitting-based supplementary controller design for enhancing damping performance of wind power systems. , 2017, , .		2
70	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.	0.5	6
71	Distributed Design of Local Controllers for Transient Stabilization in Power Grids. IFAC-PapersOnLine, 2017, 50, 5430-5435.	0.5	2
72	Traffic optimization via road pricing for queuing and flow congestion. , 2017, , .		2

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73	Realization of highly anticipative driving in a partially connected vehicle environment. , 2017, , .		4
74	Bidding system design for multiperiod electricity markets: Pricing of stored energy shiftability. , 2017, , .		3
75	Glocal control for network systems via hierarchical state-space expansion. , 2017, , .		4
76	Optimal bidding strategy for multiperiod electricity market with consideration of PV prediction uncertainty. , 2017, , .		4
77	A bounding method for solution of economic dispatch problem with uncertain PV power generation. , 2017, , .		2
78	Positive Quadratic System Modeling Based on Singular Perturbation. Transactions of the Society of Instrument and Control Engineers, 2017, 53, 251-259.	0.1	0
79	Distributed Design of Local Controllers for Transient Stabilization in Power Systems. Transactions of the Society of Instrument and Control Engineers, 2017, 53, 608-617.	0.1	0
80	Molecular Governor: DNA Feedback Regulator for Molecular Robotics. SICE Journal of Control Measurement and System Integration, 2016, 9, 60-69.	0.4	13
81	Average State Kalman Filters for Large-scale Stochastic Networked Linear Systems. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 419-427.	0.1	0
82	Eigenstructure analysis from symmetrical graph motives with application to aggregated controller design. , 2016, , .		2
83	Convex gradient controller design for incrementally passive systems with quadratic storage functions. , 2016, , .		5
84	Retrofitting state feedback control of networked nonlinear systems based on hierarchical expansion. , 2016, , .		5
85	Weak resilience of networked control systems. , 2016, , .		0
86	Observer design of positive quadratic systems. , 2016, , .		3
87	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
88	Clustered model reduction of networked dissipative systems. , 2016, , .		6
89	Distributed Temperature Regulator Design for an Air Conditioning System. IFAC-PapersOnLine, 2016, 49, 73-78.	0.5	8
90	Interval quadratic programming for day-ahead dispatch of uncertain predicted demand. Automatica, 2016, 64, 163-173.	3.0	21

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91	Robust Index Code with Digital Images on the Internet. , 2016, , .		2
92	Positive Quadratic System Representation of Molecular Interaction in a Cell. Transactions of the Society of Instrument and Control Engineers, 2016, 52, 368-375.	0.1	0
93	Robust hyperbolicity of multiple equilibria and analysis of the cellular reprogramming process. , 2015, , .		1
94	Multiresolved control of discrete-time linear systems based on redundant realization via Wedderburn rank reduction. , 2015, , .		3
95	Clustered model reduction of interconnected second-order systems. Nonlinear Theory and Its Applications IEICE, 2015, 6, 26-37.	0.4	13
96	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
97	Positive Quadratic System Approximate Representation of Nonlinear Systems. IFAC-PapersOnLine, 2015, 48, 65-70.	0.5	1
98	Notice of Removal Study on fair battery control in residential sector considering with grid operator's request. , 2015, , .		1
99	Model predictive control of directed graph constrained systems. International Journal of Robust and Nonlinear Control, 2015, 25, 142-162.	2.1	5
100	Molecular governor that regulates DNA reactions for molecular robotics. , 2015, , .		3
101	Hierarchical distributed design of stabilizing controllers for an evolving network system. , 2015, , .		4
102	Nonlinear spacing policy based vehicle platoon control for local string stability and global traffic flow stability. , 2015, , .		26
103	Average state kalman filters for large-scale stochastic networked linear systems. , 2015, , .		1
104	Glocal (global/local) control synthesis for hierarchical networked systems. , 2015, , .		24
105	Incentive-Based Multi-objective Fractional Optimization for EV Navigation System with Successive Update. , 2015, , .		0
106	Notice of Removal: Day-ahead scheduling for model predictive power generation based on interval prediction of photovoltaics " generalization to multiple generators. , 2015, , .		1
107	Time-shifted request scheduling for supply-demand-storage balancing under prediction uncertainty of photovoltaics. , 2015, , .		1
108	Positive quadratic system representation of molecular interaction in a cell. , 2015, , .		3

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109	A Computational Method for Robust Bifurcation Analysis and Its Application to Biomolecular Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1540012.	0.7	0
110	Day-ahead scheduling for supply-demand-storage balancing - model predictive generation with interval prediction of photovoltaics. , 2015, , .		3
111	Spatiotemporally Multiresolutional Optimization Toward Supply-Demand-Storage Balancing Under PV Prediction Uncertainty. IEEE Transactions on Smart Grid, 2015, 6, 853-865.	6.2	24
112	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.	2.1	2
113	Clustered model reduction of positive directed networks. Automatica, 2015, 59, 238-247.	3.0	42
114	Dissipativity-Preserving Model Reduction for Large-Scale Distributed Control Systems. IEEE Transactions on Automatic Control, 2015, 60, 1023-1037.	3.6	18
115	Distributed design of locally stabilizing controllers for large-scale networked linear systems. , 2015, , .		0
116	A Vehicle-Intersection Coordination Scheme for Smooth Flows of Traffic Without Using Traffic Lights. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1136-1147.	4.7	182
117	Traffic Signal Control of a Road Network Using MILP in the MPC Framework. International Journal of Intelligent Transportation Systems Research, 2015, 13, 107-118.	0.6	24
118	Average State Observers for Large-Scale Networked Linear Systems. Transactions of the Institute of Systems Control and Information Engineers, 2015, 28, 73-83.	0.1	0
119	Dynamic Robust Bifurcation Analysis. Mathematics for Industry, 2015, , 3-19.	0.4	1
120	Clustered Model Reduction of Large-Scale Bidirectional Networks. Mathematics for Industry, 2015, , 173-189.	0.4	0
121	Modeling Perspectives of Hybrid Systems and Network Systems. Lecture Notes in Control and Information Sciences, 2015, , 137-152.	0.6	0
122	Robust Stability and Instability of Uncertain Nonlinear Systems with Uncertainty-dependent Equilibrium. Transactions of the Society of Instrument and Control Engineers, 2014, 50, 387-394. https://doi.org/10.9747/jstce.50.387	0.1	0
123	H_∞ Control of Discrete Time-Delayed Systems with Interval Time-Varying Delays. Mathematical Problems in Engineering, 2014, 2014, 1-13. https://doi.org/10.1155/2014/123456	0.6	2
124	Hierarchical distributed control for networked linear systems. , 2014, , .		22
125	Saddle-node bifurcation and its robustness analysis: A mechanism for inducing pluripotency in stem cell. , 2014, , .		3
126	Projective state observers for large-scale linear systems. , 2014, , .		6

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127	Hierarchical decentralized observers for networked linear systems. , 2014, , .		2
128	Hierarchical distributed stabilization of power networks. European Physical Journal: Special Topics, 2014, 223, 2461-2473.	1.2	5
129	Simultaneous optimization of slab permutation scheduling and heat controlling for a reheating furnace. Journal of Process Control, 2014, 24, 225-238.	1.7	18
130	Model Reduction and Clusterization of Large-Scale Bidirectional Networks. IEEE Transactions on Automatic Control, 2014, 59, 48-63.	3.6	76
131	Probabilistic evaluation of interconnectable capacity for wind power generation. European Physical Journal: Special Topics, 2014, 223, 2493-2501.	1.2	9
132	Robust stability and instability of nonlinear feedback system with uncertainty-dependent equilibrium. , 2014, , .		7
133	Smart Driving of a Vehicle Using Model Predictive Control for Improving Traffic Flow. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 878-888.	4.7	98
134	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
135	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
136	Battery Charge Cycle Planning based on Uncertain Photovoltaic Power Prediction Towards Minimization of Reserve Generating Capacity. IEEJ Transactions on Power and Energy, 2014, 134, 545-557.	0.1	4
137	Network-Wide Optimization of Traffic Signals Using Mixed Integer Programming. Journal of Robotics and Mechatronics, 2014, 26, 607-615.	0.5	3
138	Controllability of a class of networked passive linear systems. , 2013, , .		2
139	Analysis and stabilization for networked linear hyperbolic systems of rationally dependent conservation laws. Automatica, 2013, 49, 3210-3221.	3.0	6
140	Distributed parameter modeling and finite-frequency loop-shaping of electromagnetic molding machine. Control Engineering Practice, 2013, 21, 1735-1743.	3.2	3
141	Low-dimensional functional observer design for linear systems via observer reduction approach. , 2013, , .		7
142	Chaotic Ising-like dynamics in traffic signals. Scientific Reports, 2013, 3, 1127.	1.6	16
143	On the convergence rate of diffusion in the bidirectional Erdős-Rényi networks: An perspective. Physica A: Statistical Mechanics and Its Applications. 2013. 392. 5461-5472.	1.2	0
144	ROBUST BIFURCATION ANALYSIS OF SYSTEMS WITH DYNAMIC UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350157.	0.7	7

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145	Chaotic Boltzmann machines. Scientific Reports, 2013, 3, 1610.	1.6	30
146	Coordination of automated vehicles at a traffic-lightless intersection. , 2013, , .		25
147	Dissipativity-preserving model reduction based on generalized singular perturbation. , 2013, , .		2
148	Instability of uncertain large-scale networks. , 2013, , .		1
149	Knock-out/down-based structure identification in networks of heterogeneous subsystems. , 2013, , .		1
150	Instability criteria for Lur'e systems toward oscillation analysis of uncertain gene networks. , 2013, , .		4
151	Robust bifurcation analysis based on the Nyquist stability criterion. , 2013, , .		8
152	Structured model reduction of interconnected linear systems based on singular perturbation. , 2013, , .		7
153	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
154	An instability condition for uncertain systems toward robust bifurcation analysis. , 2013, , .		10
155	Absolute Instability Conditions for Lur'e Systems. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 402-407.	0.1	0
156	Control theoretic approach to stationary iterative methods for large-scale Toeplitz-type equations. , 2012, , .		0
157	Model reduction of multi-input dynamical networks based on clusterwise controllability. , 2012, , .		10
158	Clustering-based ℓ_2 -state aggregation of positive networks and its application to reduction of chemical master equations. , 2012, , .		13
159	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
160	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
161	Deterministic finite automata representation for model predictive control of hybrid systems. Journal of Process Control, 2012, 22, 1670-1680.	1.7	31
162	Discrete Abstractions of Nonlinear Systems Based on Error Propagation Analysis. IEEE Transactions on Automatic Control, 2012, 57, 550-564.	3.6	26

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163	Efficient control of vehicles in congested traffic using model predictive control. , 2012, , .		2
164	Model Reduction of Dynamical Networks Based on Cluster Controllability. Transactions of the Society of Instrument and Control Engineers, 2012, 48, 589-598.	0.1	0
165	Model order reduction for MIMO linear dynamical networks via Reaction-Diffusion transformation. , 2011, , .		3
166	Assessment of single-channel ego noise estimation methods. , 2011, , .		6
167	Reaction-diffusion clustering of single-input dynamical networks. , 2011, , .		8
168	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
169	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
170	Stabilization of Finite Automata with Application to Hybrid Systems Control. Discrete Event Dynamic Systems: Theory and Applications, 2011, 21, 519-545.	0.6	20
171	Ego noise cancellation of a robot using missing feature masks. Applied Intelligence, 2011, 34, 360-371.	3.3	4
172	Oscillation analysis of linearly coupled piecewise affine systems: Application to spatio-temporal neuron dynamics. Automatica, 2011, 47, 1249-1254.	3.0	7
173	Incremental learning for ego noise estimation of a robot. , 2011, , .		8
174	Whole Body Motion Noise Cancellation of a Robot for Improved Automatic Speech Recognition. Advanced Robotics, 2011, 25, 1405-1426.	1.1	8
175	Controllability and observability of networked systems of linear hyperbolic partial differential equations. , 2011, , .		1
176	Hierarchical decentralized observer design for linearly coupled network systems. , 2011, , .		7
177	Controlling a class of hyperbolic distributed parameter systems producing ideal turbulence. , 2011, , .		1
178	Assessment of single-channel ego noise estimation methods. , 2011, , .		1
179	Piecewise affine systems approach to control of biological networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4977-4993.	1.6	9
180	Simultaneous Optimization of Charging Scheduling and Heating Control in Reheating Furnace. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2010, 96, 434-442.	0.1	0

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181	Least-restrictive move-blocking model predictive control. <i>Automatica</i> , 2010, 46, 1234-1240.	3.0	59
182	Planar bipedal locomotion control based on state discretization. <i>Robotics and Autonomous Systems</i> , 2010, 58, 657-665.	3.0	0
183	Lebesgue piecewise affine approximation of nonlinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 92-102.	2.1	31
184	Polynomial-Time Algorithm for Controllability Test of a Class of Boolean Biological Networks. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2010, 2010, 1-12.	1.4	14
185	Multi-talker speech recognition under ego-motion noise using Missing Feature Theory. , 2010, , .		3
186	Distributed parameter modeling and control of electromagnetic molding machine. , 2010, , .		0
187	Multiresolution discrete abstraction for optimal control. , 2010, , .		1
188	PI control system design for electromagnetic molding machine based on linear programming. , 2010, , .		0
189	Robust Ego Noise Suppression of a Robot. <i>Lecture Notes in Computer Science</i> , 2010, , 62-71.	1.0	5
190	Extraction of 1-dimensional reaction-diffusion structure in SISO linear dynamical networks. , 2010, , .		5
191	A hybrid framework for ego noise cancellation of a robot. , 2010, , .		8
192	Machine-based modeling of conveyor-type flowshops with application to scheduling and temperature control in slab reheating furnace. , 2010, , .		4
193	Polynomial Optimization Approach to Stability Analysis of Boundary Controlled 2-Dimensional Fluid Flow. <i>SICE Journal of Control Measurement and System Integration</i> , 2010, 3, 20-25.	0.4	1
194	Model Order Reduction for Large-scale Cascade Systems via Analysis in Continuum Limit through Scale Transformation. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2010, 46, 615-622.	0.1	0
195	Oscillation analysis of linearly coupled piecewise affine systems. , 2010, , .		1
196	Extraction of 1-Dimensional Reaction-Diffusion Structure in SISO Linear Dynamical Networks. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2010, 46, 774-782.	0.1	0
197	Reflection Wave Suppression in Frenkel-Kontrova Model Simulation: Analysis Based on the GKYP Lemma. <i>SICE Journal of Control Measurement and System Integration</i> , 2010, 3, 172-177.	0.4	0
198	Stabilization of deterministic finite automata based on linear state equation representation. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
199	Global feedback stabilization of quantum noiseless subsystems. , 2009, , .		2
200	Effects of time delay in feedback control of linear quantum systems. Physical Review A, 2009, 79, .	1.0	18
201	Ego noise suppression of a robot using template subtraction. , 2009, , .		32
202	Polynomial-time controllability analysis of Boolean networks. , 2009, , .		7
203	Controlled invariant feasibility " A general approach to enforcing strong feasibility in MPC applied to move-blocking. Automatica, 2009, 45, 2869-2875.	3.0	36
204	State waypoint approach to continuous-time nonlinear optimal control problems. Asian Journal of Control, 2009, 11, 669-676.	1.9	5
205	Discrete-State Abstractions of Nonlinear Systems Using Multi-resolution Quantizer. Lecture Notes in Computer Science, 2009, , 351-365.	1.0	19
206	Rigorous determination of maximum controlled invariant feasible sets. , 2009, , .		4
207	Distributed Parameter Modeling and Control of Electromagnetic Molding Machine. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 502-511.	0.1	0
208	Global Feedback Stabilization of Quantum Noiseless Subsystem. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 459-468.	0.1	0
209	Controllability Analysis of Biosystems Based on Piecewise Affine Systems Approach. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2009, , .	0.1	0
210	Controllability Analysis of Biosystems Based on Piecewise-Affine Systems Approach. IEEE Transactions on Automatic Control, 2008, 53, 139-152.	3.6	39
211	Multi-resolved dynamical system theory for large scale complex systems. , 2008, , .		12
212	Stability analysis of 2-dimensional fluid flow based on sum of squares relaxation. , 2008, , .		3
213	Approximately bisimilar finite-state modeling of interconnected systems. , 2008, , .		2
214	Optimal control of linear quantum systems despite feedback delay. , 2008, , .		1
215	Least restrictive move-blocking model predictive control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11190-11195.	0.4	7
216	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

#	ARTICLE	IF	CITATIONS
217	Bisimilar Finite Abstractions of Interconnected Systems. Lecture Notes in Computer Science, 2008, , 514-527.	1.0	41
218	Semi-optimal Control for Obstacle Avoidance under Observation Information Constraints. Transactions of the Society of Instrument and Control Engineers, 2008, 44, 911-918.	0.1	0
219	Discrete Abstractions of Linear Systems Based on State Quantization and Its Application to Optimal Control. Transactions of the Society of Instrument and Control Engineers, 2008, 44, 786-792.	0.1	0
220	Coarse speech recognition by audio-visual integration based on missing feature theory. , 2007, , .		9
221	Model predictive control of directed-graph type hybrid systems. , 2007, , .		1
222	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
223	Time-Sequence Based Modeling of Finite Automata in Model Predictive Control of Hybrid Systems. Proceedings of the American Control Conference, 2007, , .	0.0	2
224	Recursive feasibility guarantees in move-blocking MPC. , 2007, , .		8
225	Polynomial-Time Probabilistic Controllability Analysis of Discrete-Time Piecewise Affine Systems. IEEE Transactions on Automatic Control, 2007, 52, 2029-2046.	3.6	10
226	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.	0.1	5
227	Polynomial-time probabilistic observability analysis of sampled-data piecewise affine systems. Systems and Control Letters, 2007, 56, 685-694.	1.3	3
228	Minimality of Finite Automata Representation in Hybrid Systems Control. , 2007, , 343-356.		4
229	Time-sequence Based Modeling of Finite Automata in Hybrid Systems Control. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 798-805.	0.1	0
230	Duality Approach to Minimum-variance End-point Error Model of Voluntary Movement. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 552-561.	0.1	0
231	Minimal Representation of Finite Automata in Hybrid Systems Control. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 383-390.	0.1	1
232	Minimal Representation of Finite Automata for Hybrid Systems Control. , 2006, , .		6
233	Synthesis of optimal controllers for piecewise affine systems with sampled-data switching. Automatica, 2006, 42, 697-710.	3.0	20
234	Non-linear prediction horizon time-discretization for model predictive control of linear sampled-data systems. , 2006, , .		6

#	ARTICLE	IF	CITATIONS
235	Model predictive control for continuous-time piecewise affine systems based on mode controllability. , 2006, , .		1
236	Efficient Modeling of Piecewise Affine Systems in Model Predictive Control. , 2006, , .		1
237	Lebesgue Piecewise Affine Approximation of Nonlinear Systems and Its Application to Hybrid System Modeling of Biosystems. , 2006, , .		9
238	Integrated Optimal Design of Hierarchical Control Systems and Its Application to Slab Heating Control for Reheating Furnaces. Transactions of the Society of Instrument and Control Engineers, 2006, 42, 783-790.	0.1	0
239	A probabilistic approach to controllability/reachability analysis of hybrid systems. , 2004, , .		9
240	Optimal control of sampled-data piecewise affine systems. Automatica, 2004, 40, 661-669.	3.0	37
241	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
242	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
243	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.	0.1	9
244	Probabilistic controllability analysis of sampled-data/discrete-time piecewise affine systems. , 2004, , .		5
245	Probabilistic Controllability Analysis of Sampled-Data/Discrete-Time Piecewise Affine Systems. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 703-712.	0.1	8
246	Observability and Mode Sequence Estimation Property of Piecewise Linear Systems. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 834-841.	0.1	0
247	Discussion on: "Switched Integrator Control Schemes for Integrating Plants". European Journal of Control, 2003, 9, 563-565.	1.6	0
248	Well-posedness analysis of switch-driven piecewise affine systems. IEEE Transactions on Automatic Control, 2003, 48, 1926-1935.	3.6	43
249	Controllability of Sampled-Data Piecewise Affine Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 99-104.	0.4	2
250	Well-Posedness of a Class of Piecewise Affine Systems. , 2003, , 213-228.		0
251	Optimal Control of Sampled-Data Piecewise Affine Systems and Its Application to High-Speed and Energy-Saving Control of CPU. Transactions of the Society of Instrument and Control Engineers, 2003, 39, 933-941.	0.1	0
252	Controllability of Sampled-Data Piecewise Affine Systems. Transactions of the Society of Instrument and Control Engineers, 2003, 39, 469-478.	0.1	0

#	ARTICLE	IF	CITATIONS
253	STABILIZATION WITH WELL-POSEDNESS OF A CLASS OF SWITCH-DRIVEN PIECEWISE AFFINE SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 61-66.	0.4	0
254	Classification and stabilizability analysis of bimodal piecewise affine systems. International Journal of Robust and Nonlinear Control, 2002, 12, 897-926.	2.1	26
255	Flight control design of a twin rotor helicopter model via 2 step linearization.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2001, 67, 1038-1045.	0.2	0
256	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
257	Characterization of well-posedness of piecewise-linear systems. IEEE Transactions on Automatic Control, 2000, 45, 1600-1619.	3.6	179
258	Well-Posedness of a Class of Piecewise Linear Systems with No Jumps. Lecture Notes in Computer Science, 1999, , 123-136.	1.0	4
259	Parametrization of all stabilizing controllers of nonlinear systems. Systems and Control Letters, 1997, 29, 207-213.	1.3	13
260	A Hamilton-Jacobi inequality approach to the strict H^∞ control problem of nonlinear systems. Automatica, 1996, 32, 645-650.	3.0	16
261	Characterization of some gain conditions via the Hamilton-Jacobi inequality. Systems and Control Letters, 1996, 28, 263-271.	1.3	1
262	Robust stabilization of nonlinear systems by H^∞ state feedback. Systems and Control Letters, 1995, 24, 103-114.	1.3	21
263	Robust Control of Robot Manipulators Based on Joint Torque Sensor Information. International Journal of Robotics Research, 1994, 13, 434-442.	5.8	19
264	Optimal continuous-time control of sampled-data piecewise affine systems. , 0, , .		3
265	Approximate continuous-time optimal control in obstacle by time/space discretization of non-convex constraints. , 0, , .		3