

Jun-ichi Imura

List of Publications by Year in descending order

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265
papers

2,492
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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.	11.3	6
2	Parameterization of All Output-Rectifying Retrofit Controllers. IEEE Transactions on Automatic Control, 2022, 67, 2537-2543.	5.7	3
3	Disconnection-Aware Attack Detection and Isolation With Separation-Based Detector Reconfiguration. IEEE Transactions on Control Systems Technology, 2022, 30, 1625-1640.	5.2	3
4	Look-Ahead Driving Schemes for Efficient Control of Automated Vehicles on Urban Roads. IEEE Transactions on Vehicular Technology, 2022, 71, 1280-1292.	6.3	4
5	Adaptive Cruise Control with Look-Ahead Anticipation for Driving on Freeways. Applied Sciences (Switzerland), 2022, 12, 929.	2.5	10
6	Fuzzy-tuned model predictive control for dynamic eco-driving on hilly roads. Applied Soft Computing Journal, 2021, 99, 106875.	7.2	12
7	Fast Online Reinforcement Learning Control Using State-Space Dimensionality Reduction. IEEE Transactions on Control of Network Systems, 2021, 8, 342-353.	3.7	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.	0.7	0
9	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
10	Bi-Level Coordinated Merging of Connected and Automated Vehicles at Roundabouts. Sensors, 2021, 21, 6533.	3.8	10
11	Modularity in Design of Dynamical Network Systems: Retrofit Control Approach. IEEE Transactions on Automatic Control, 2021, 66, 5205-5220.	5.7	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.	8.0	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.	5.7	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.	1.1	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. Energy Economics, 2020, 91, 104912.	12.1	5
20	Finite-time regulation property of DNA feedback regulator. Automatica, 2020, 114, 108826.	5.0	13
21	Analysis of Profit Maximization Problem in Multiperiod Energy Markets with Uncertain Photovoltaics Power. SICE Journal of Control Measurement and System Integration, 2020, 13, 9-15.	0.7	0
22	A Look-ahead Car Following Scheme for Efficient Driving on Urban Roads. IFAC-PapersOnLine, 2020, 53, 13836-13841.	0.9	3
23	Economic Dispatch Cost Reduction in Box-based Robust Unit Commitment. IFAC-PapersOnLine, 2020, 53, 13248-13253.	0.9	0
24	A Gaussian Process-Based Incremental Neural Network for Online Regression. Lecture Notes in Computer Science, 2020, , 149-161.	1.3	0
25	Disconnection-aware Attack Detection in Networked Control Systems. IFAC-PapersOnLine, 2020, 53, 3515-3520.	0.9	3
26	Day-ahead Scheduling Method for Electricity Markets Using Neural Networks. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 57-66.	0.2	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. IEEE Transactions on Vehicular Technology, 2019, 68, 8557-8569.	6.3	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. Automatica, 2019, 107, 442-453.	5.0	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. Control Engineering Practice, 2019, 84, 92-101.	5.5	7
34	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
35	Box-Based Temporal Decomposition of Multi-Period Economic Dispatch for Two-Stage Robust Unit Commitment. IEEE Transactions on Power Systems, 2019, 34, 3109-3118.	6.5	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.	0.2	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.	0.2	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.	6.5	39
47	Graph-Theoretic Analysis of Power Systems. Proceedings of the IEEE, 2018, 106, 931-952.	21.3	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.	3.7	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.	0.7	0
50	Robust Index Code to Distribute Digital Images and Digital Contents Together. IEICE Transactions on Information and Systems, 2018, E101.D, 2179-2189.	0.7	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.	1.5	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.	1.5	0

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55	Robust Profit Maximization in Multiperiod Energy Markets with Interval Prediction of Photovoltaics. IFAC-PapersOnLine, 2018, 51, 628-633.	0.9	1
56	Robustness of DNA Strand Displacement Systems. IFAC-PapersOnLine, 2018, 51, 32-37.	0.9	5
57	Retrofit Control of Network Systems under Measurement Noise. IFAC-PapersOnLine, 2018, 51, 80-85.	0.9	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.	6.3	33
63	Retrofit control: Localization of controller design and implementation. Automatica, 2018, 95, 336-346.	5.0	32
64	Optimal scheduling of battery storage systems and thermal power plants for supply-demand balance. Control Engineering Practice, 2018, 77, 213-224.	5.5	8
65	Average State Observers for Large-Scale Network Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 761-769.	3.7	18
66	Wind-thermal power system dispatch using MLSAD model and GSOICLW algorithm. Knowledge-Based Systems, 2017, 116, 94-101.	7.1	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.	0.9	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.	0.9	6
71	Distributed Design of Local Controllers for Transient Stabilization in Power Grids. IFAC-PapersOnLine, 2017, 50, 5430-5435.	0.9	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.	0.2	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.	0.2	0
80	Molecular Governor: DNA Feedback Regulator for Molecular Robotics. SICE Journal of Control Measurement and System Integration, 2016, 9, 60-69.	0.7	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.	0.2	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.	0.9	8
90	Interval quadratic programming for day-ahead dispatch of uncertain predicted demand. Automatica, 2016, 64, 163-173.	5.0	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.	0.2	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.	0.6	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.	0.9	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.	3.7	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.	1.7	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.	9.0	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.	3.7	2
113	Clustered model reduction of positive directed networks. Automatica, 2015, 59, 238-247.	5.0	42
114	Dissipativity-Preserving Model Reduction for Large-Scale Distributed Control Systems. IEEE Transactions on Automatic Control, 2015, 60, 1023-1037.	5.7	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.	8.0	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.	1.1	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.	1.0	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. Robust Moving Horizon Control http://www.wiley.com/doi/10.1002/tstc.12111	0.2	0
123	M_1 H \hat{z} Control of Discrete Time-Delayed Systems with Interval Time-Varying Delays. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	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.	2.6	5
129	Simultaneous optimization of slab permutation scheduling and heat controlling for a reheating furnace. Journal of Process Control, 2014, 24, 225-238.	3.3	18
130	Model Reduction and Clusterization of Large-Scale Bidirectional Networks. IEEE Transactions on Automatic Control, 2014, 59, 48-63.	5.7	76
131	Probabilistic evaluation of interconnectable capacity for wind power generation. European Physical Journal: Special Topics, 2014, 223, 2493-2501.	2.6	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.	8.0	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.	0.2	4
137	Network-Wide Optimization of Traffic Signals Using Mixed Integer Programming. Journal of Robotics and Mechatronics, 2014, 26, 607-615.	1.0	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.	5.0	6
140	Distributed parameter modeling and finite-frequency loop-shaping of electromagnetic molding machine. Control Engineering Practice, 2013, 21, 1735-1743.	5.5	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.	3.3	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.	2.6	0
144	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

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145	Chaotic Boltzmann machines. Scientific Reports, 2013, 3, 1610.	3.3	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.	0.2	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.	3.3	31
162	Discrete Abstractions of Nonlinear Systems Based on Error Propagation Analysis. IEEE Transactions on Automatic Control, 2012, 57, 550-564.	5.7	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.	0.2	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.	1.5	20
171	Ego noise cancellation of a robot using missing feature masks. Applied Intelligence, 2011, 34, 360-371.	5.3	4
172	Oscillation analysis of linearly coupled piecewise affine systems: Application to spatio-temporal neuron dynamics. Automatica, 2011, 47, 1249-1254.	5.0	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.	1.8	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.	3.4	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.	0.4	0

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181	Least-restrictive move-blocking model predictive control. <i>Automatica</i> , 2010, 46, 1234-1240.	5.0	59
182	Planar bipedal locomotion control based on state discretization. <i>Robotics and Autonomous Systems</i> , 2010, 58, 657-665.	5.1	0
183	Lebesgue piecewise affine approximation of nonlinear systems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 92-102.	3.5	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.	1.3	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.	0.7	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.	0.2	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.	0.2	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.	0.7	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, .	2.5	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.	5.0	36
204	State waypoint approach to continuous-time nonlinear optimal control problems. Asian Journal of Control, 2009, 11, 669-676.	3.0	5
205	Discrete-State Abstractions of Nonlinear Systems Using Multi-resolution Quantizer. Lecture Notes in Computer Science, 2009, , 351-365.	1.3	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.	0.2	0
208	Global Feedback Stabilization of Quantum Noiseless Subsystem. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 459-468.	0.2	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.	5.7	39
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