Jun-ichi Imura

List of Publications by Year
in descending order

265 papers	2,492 citations	257101 24 h-index	288905 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.	4.7	182
2	Characterization of well-posedness of piecewise-linear systems. IEEE Transactions on Automatic Control, 2000, 45, 1600-1619.	3.6	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.	4.7	98
4	Model Reduction and Clusterization of Large-Scale Bidirectional Networks. IEEE Transactions on Automatic Control, 2014, 59, 48-63.	3.6	76
5	Least-restrictive move-blocking model predictive control. Automatica, 2010, 46, 1234-1240.	3.0	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.	1.0	59
7	Graph-Theoretic Analysis of Power Systems. Proceedings of the IEEE, 2018, 106, 931-952.	16.4	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.	4.7	48
9	Well-posedness analysis of switch-driven piecewise affine systems. IEEE Transactions on Automatic Control, 2003, 48, 1926-1935.	3.6	43
10	Clustered model reduction of positive directed networks. Automatica, 2015, 59, 238-247.	3.0	42
11	Bisimilar Finite Abstractions of Interconnected Systems. Lecture Notes in Computer Science, 2008, , 514-527.	1.0	41
12	Controllability Analysis of Biosystems Based on Piecewise-Affine Systems Approach. IEEE Transactions on Automatic Control, 2008, 53, 139-152.	3.6	39
13	Retrofit Control of Wind-Integrated Power Systems. IEEE Transactions on Power Systems, 2018, 33, 2804-2815.	4.6	39
14	Optimal control of sampled-data piecewise affine systems. Automatica, 2004, 40, 661-669.	3.0	37
15	Controlled invariant feasibility â€" A general approach to enforcing strong feasibility in MPC applied to move-blocking. Automatica, 2009, 45, 2869-2875.	3.0	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.	3.9	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.	3.0	32

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19	Lebesgue piecewise affine approximation of nonlinear systems. Nonlinear Analysis: Hybrid Systems, 2010, 4, 92-102.	2.1	31
20	Deterministic finite automata representation for model predictive control of hybrid systems. Journal of Process Control, 2012, 22, 1670-1680.	1.7	31
21	Chaotic Boltzmann machines. Scientific Reports, 2013, 3, 1610.	1.6	30
22	Event-Driven Stochastic Eco-Driving Strategy at Signalized Intersections From Self-Driving Data. IEEE Transactions on Vehicular Technology, 2019, 68, 8557-8569.	3.9	29
23	Box-Based Temporal Decomposition of Multi-Period Economic Dispatch for Two-Stage Robust Unit Commitment. IEEE Transactions on Power Systems, 2019, 34, 3109-3118.	4.6	27
24	Classification and stabilizability analysis of bimodal piecewise affine systems. International Journal of Robust and Nonlinear Control, 2002, 12, 897-926.	2.1	26
25	Discrete Abstractions of Nonlinear Systems Based on Error Propagation Analysis. IEEE Transactions on Automatic Control, 2012, 57, 550-564.	3.6	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. IEEE Transactions on Smart Grid, 2015, 6, 853-865.	6.2	24
30	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
31	Hierarchical distributed control for networked linear systems. , 2014, , .		22
32	Robust stabilization of nonlinear systems by H^∞ state feedback. Systems and Control Letters, 1995, 24, 103-114.	1.3	21
33	Interval quadratic programming for day-ahead dispatch of uncertain predicted demand. Automatica, 2016, 64, 163-173.	3.0	21
34	Synthesis of optimal controllers for piecewise affine systems with sampled-data switching. Automatica, 2006, 42, 697-710.	3.0	20
35	Stabilization of Finite Automata with Application to Hybrid Systems Control. Discrete Event Dynamic Systems: Theory and Applications, 2011, 21, 519-545.	0.6	20
36	Robust Control of Robot Manipulators Based on Joint Torque Sensor Information. International Journal of Robotics Research, 1994, 13, 434-442.	5.8	19

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37	Discrete-State Abstractions of Nonlinear Systems Using Multi-resolution Quantizer. Lecture Notes in Computer Science, 2009, , 351-365.	1.0	19
38	Effects of time delay in feedback control of linear quantum systems. Physical Review A, 2009, 79, .	1.0	18
39	Simultaneous optimization of slab permutation scheduling and heat controlling for a reheating furnace. Journal of Process Control, 2014, 24, 225-238.	1.7	18
40	Dissipativity-Preserving Model Reduction for Large-Scale Distributed Control Systems. IEEE Transactions on Automatic Control, 2015, 60, 1023-1037.	3.6	18
41	Average State Observers for Large-Scale Network Systems. IEEE Transactions on Control of Network Systems, 2017, 4, 761-769.	2.4	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.	4.0	17
44	A Hamilton-Jacobi inequality approach to the strict H_∞ control problem of nonlinear systems. Automatica, 1996, 32, 645-650.	3.0	16
45	Chaotic Ising-like dynamics in traffic signals. Scientific Reports, 2013, 3, 1127.	1.6	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.	1.3	13
48	Clustering-based $\mathscr{H}_2$-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.	0.4	13
50	Molecular Governor: DNA Feedback Regulator for Molecular Robotics. SICE Journal of Control Measurement and System Integration, 2016, 9, 60-69.	0.4	13
51	Finite-time regulation property of DNA feedback regulator. Automatica, 2020, 114, 108826.	3.0	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.	4.1	12

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55	Modularity in Design of Dynamical Network Systems: Retrofit Control Approach. IEEE Transactions on Automatic Control, 2021, 66, 5205-5220.	3.6	12
56	Retrofit control with approximate environment modeling. Automatica, 2019, 107, 442-453.	3.0	11
57	Fast Online Reinforcement Learning Control Using State-Space Dimensionality Reduction. IEEE Transactions on Control of Network Systems, 2021, 8, 342-353.	2.4	11
58	Polynomial-Time Probabilistic Controllability Analysis of Discrete-Time Piecewise Affine Systems. IEEE Transactions on Automatic Control, 2007, 52, 2029-2046.	3.6	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.	2.1	10
62	Adaptive Cruise Control with Look-Ahead Anticipation for Driving on Freeways. Applied Sciences (Switzerland), 2022, 12, 929.	1.3	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.	1.6	9
67	Probabilistic evaluation of interconnectable capacity for wind power generation. European Physical Journal: Special Topics, 2014, 223, 2493-2501.	1.2	9
68	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
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.	0.1	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.	1.1	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.	0.5	8
77	Optimal scheduling of battery storage systems and thermal power plants for supply–demand balance. Control Engineering Practice, 2018, 77, 213-224.	3.2	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.	0.1	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.	3.0	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.	0.7	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.	3.2	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.	3.0	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.	0.5	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.	7.2	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.	0.1	5
103	State waypoint approach to continuousâ€time nonlinear optimal control problems. Asian Journal of Control, 2009, 11, 669-676.	1.9	5
104	Robust Ego Noise Suppression of a Robot. Lecture Notes in Computer Science, 2010, , 62-71.	1.0	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.	1.2	5
107	Model predictive control of directedâ€graph constrained systems. International Journal of Robust and Nonlinear Control, 2015, 25, 142-162.	2.1	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 Systemsâ€. IFAC-PapersOnLine, 2018, 51, 32-37.	0.5	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.	5.6	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.	3.3	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	Minimalilty 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. IEEJ Transactions on Power and Energy, 2014, 134, 545-557.	0.1	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.	1.0	4
128	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
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.	1.3	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.	3.2	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.	3.6	3
147	Disconnection-Aware Attack Detection and Isolation With Separation-Based Detector Reconfiguration. IEEE Transactions on Control Systems Technology, 2022, 30, 1625-1640.	3.2	3
148	Network-Wide Optimization of Traffic Signals Using Mixed Integer Programming. Journal of Robotics and Mechatronics, 2014, 26, 607-615.	0.5	3
149	A Look-ahead Car Following Scheme for Efficient Driving on Urban Roads. IFAC-PapersOnLine, 2020, 53, 13836-13841.	0.5	3
150	Disconnection-aware Attack Detection in Networked Control Systems. IFAC-PapersOnLine, 2020, 53, 3515-3520.	0.5	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 $\mathcal{H}_{\infty}$ Control of Discrete Time-Delayed Systems with Interval Time-Varying Delays. Mathematical Problems in Engineering, 2014, 2014, 1-13.	0.6	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.	2.1	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.	0.5	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.	0.4	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.	0.6	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.	1.3	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

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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.	0.5	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 â€" 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.	0.5	1
196	Robust Profit Maximization in Multiperiod Energy Markets with Interval Prediction of Photovoltaics. IFAC-PapersOnLine, 2018, 51, 628-633.	0.5	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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199	Polynomial Optimization Approach to Stability Analysis of Boundary Controlled 2-Dimensional Fluid Flow. SICE Journal of Control Measurement and System Integration, 2010, 3, 20-25.	0.4	1
200	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
201	Oscillation analysis of linearly coupled piecewise affine systems. , 2010, , .		1
202	Dynamic Robust Bifurcation Analysis. Mathematics for Industry, 2015, , 3-19.	0.4	1
203	Two-Stage Robust Unit Commitment with Uncertain Demand Response. , 2021, , .		1
204	Assessment of single-channel ego noise estimation methods. , 2011, , .		1
205	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
206	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
207	Discussion on: â€œSwitched Integrator Control Schemes for Integrating Plantsâ€. European Journal of Control, 2003, 9, 563-565.	1.6	0
208	Stabilization of deterministic finite automata based on linear state equation representation. , 2009, , .		0
209	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
210	Planar bipedal locomotion control based on state discretization. Robotics and Autonomous Systems, 2010, 58, 657-665.	3.0	0
211	Distributed parameter modeling and control of electromagnetic molding machine. , 2010, , .		0
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