Shinji Hara

List of Publications by Year in descending order

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147566 88477 6,013 230 31 70 h-index citations g-index papers 233 233 233 2304 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Repetitive control system: a new type servo system for periodic exogenous signals. IEEE Transactions on Automatic Control, 1988, 33, 659-668.	3.6	1,188
2	Generalized KYP lemma: unified frequency domain inequalities with design applications. IEEE Transactions on Automatic Control, 2005, 50, 41-59.	3.6	872
3	Interior-Point Methods for the Monotone Semidefinite Linear Complementarity Problem in Symmetric Matrices. SIAM Journal on Optimization, 1997, 7, 86-125.	1.2	343
4	Worst-case analysis and design of sampled-data control systems. IEEE Transactions on Automatic Control, 1993, 38, 1337-1358.	3.6	218
5	Well-posedness of feedback systems: insights into exact robustness analysis and approximate computations. IEEE Transactions on Automatic Control, 1998, 43, 619-630.	3.6	196
6	Best tracking and regulation performance under control energy constraint. IEEE Transactions on Automatic Control, 2003, 48, 1320-1336.	3.6	132
7	Dynamical system design from a control perspective: finite frequency positive-realness approach. IEEE Transactions on Automatic Control, 2003, 48, 1337-1354.	3.6	131
8	Minimal order state observers for bilinear systems. International Journal of Control, 1976, 24, 705-718.	1.2	126
9	Synthesis of repetitive control systems and its application. , 1985, , .		123
10	Time domain interpretations of frequency domain inequalities on (semi)finite ranges. Systems and Control Letters, 2005, 54, 681-691.	1.3	106
11	Nonlinear repetitive control with application to trajectory control of manipulators. Journal of Field Robotics, 1987, 4, 631-652.	0.7	99
12	Properties of sensitivity and complementary sensitivity functions in single-input single-output digital control systems. International Journal of Control, 1988, 48, 2429-2439.	1.2	92
13	Feedback linearization for pneumatic actuator systems with static friction. Control Engineering Practice, 1997, 5, 1385-1394.	3.2	83
14	Relationships between internal and external stability for infinite-dimensional systems with applications to a servo problem. IEEE Transactions on Automatic Control, 1988, 33, 1044-1052.	3.6	73
15	Driving Force Distribution and Control for EV With Four In-Wheel Motors: A Case Study of Acceleration on Split-Friction Surfaces. IEEE Transactions on Industrial Electronics, 2017, 64, 3380-3388.	5.2	73
16	Feedback control of quantum entanglement in a two-spin system. Automatica, 2007, 43, 981-992.	3.0	70
17	Hâ^ž control problem with jï‰-axis zeros. Automatica, 1992, 28, 55-70.	3.0	62
18	Independent parameterization of two-degree-of-freedom compensators in general robust tracking systems. IEEE Transactions on Automatic Control, 1988, 33, 59-67.	3.6	60

#	Article	IF	Citations
19	Stability of repetitive control systems. , 1985, , .		58
20	Existence criteria of periodic oscillations in cyclic gene regulatory networks. Automatica, 2011, 47, 1203-1209.	3.0	58
21	LTI Systems with Generalized Frequency Variables: A Unified Framework for Homogeneous Multi-agent Dynamical Systems. SICE Journal of Control Measurement and System Integration, 2009, 2, 299-306.	0.4	52
22	Cooperative control of multi-agent dynamical systems in target-enclosing operations using cyclic pursuit strategy. International Journal of Control, 2010, 83, 2040-2052.	1.2	51
23	A hybrid state-space approach to sampled-data feedback control. Linear Algebra and Its Applications, 1994, 205-206, 675-712.	0.4	50
24	Global optimization for H/sub \hat{a}^* / control with constant diagonal scaling. IEEE Transactions on Automatic Control, 1998, 43, 191-203.	3.6	48
25	Simultaneous parametric uncertainty modeling and robust control synthesis by LFT scaling. Automatica, 2000, 36,1457-1467, "Indiana and altimogeneous synthesis by LFT scaling. Ammilmath altimogeneous single displaye inline overflow scroll"	3.0	42
26	xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.elsevier.com/xml/shift xmlns:mml="http://www.w3.org/shift xmlns:mml=	3.0	42
27	xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x xmlns:ce="http://www.elsevier.com/x Stability Analysis of Systems With Generalized Frequency Variables. IEEE Transactions on Automatic Control, 2014, 59, 313-326.	3.6	42
28	Inner-outer factorization for strictly proper functions with jï‰-axis zeros. Systems and Control Letters, 1991, 16, 179-185.	1.3	39
29	Optimal tracking performance: preview control and exponential signals. IEEE Transactions on Automatic Control, 2001, 46, 1647-1653.	3.6	37
30	Stability tests and stabilization for piecewise linear systems based on poles and zeros of subsystems. Automatica, 2006, 42, 1685-1695.	3.0	37
31	Suboptimal quantum-error-correcting procedure based on semidefinite programming. Physical Review A, 2005, 71, .	1.0	36
32	Eigenvector-based intergroup connection of low rank for hierarchical multi-agent dynamical systems. Systems and Control Letters, 2012, 61, 354-361.	1.3	36
33	Properties of complementary sensitivity function in SISO digital control systems. International Journal of Control, 1989, 50, 1283-1295.	1.2	34
34	Biochemical oscillations in delayed negative cyclic feedback: Existence and profiles. Automatica, 2013, 49, 2581-2590.	3.0	33
35	control problem with boundary constraints. Systems and Control Letters, 1989, 13, 93-99.	1.3	32
36	Stability of Multivariable Repetitive Control Systems. Transactions of the Society of Instrument and Control Engineers, 1986, 22, 1256-1261.	0.1	32

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37	Parametrization of stabilizing controllers for multivariable servo systems with two degrees of freedom. International Journal of Control, 1987, 45, 779-790.	1.2	30
38	Constraints on sensitivity characteristics in linear multivariable discrete-time control systems. Linear Algebra and Its Applications, 1989, 122-124, 889-919.	0.4	30
39	Characterization of a complementary sensitivity property in feedback control: An information theoretic approach. Automatica, 2009, 45, 504-509.	3.0	30
40	Torque Distribution-based Range Extension Control System for Longitudinal Motion of Electric Vehicles by LTI Modeling with Generalized Frequency Variable. IEEE/ASME Transactions on Mechatronics, 2015, , 1-1.	3.7	29
41	Slip control for IWM vehicles based on hierarchical LQR. Control Engineering Practice, 2019, 93, 104179.	3.2	28
42	Consensus in hierarchical multi-agent dynamical systems with low-rank interconnections: Analysis of stability and convergence rates., 2009,,.		27
43	Achievable sensitivity bounds for MIMO control systems via an information theoretic approach. Systems and Control Letters, 2011, 60, 111-118.	1.3	26
44	Glocal (global/local) control synthesis for hierarchical networked systems. , 2015, , .		24
45	On Computing the Induced Norm of Sampled Data Systems. , 1990, , .		24
46	Backstepping observer design for parabolic PDEs with measurement of weighted spatial averages. Automatica, 2015, 53, 179-187.	3.0	23
47	Internal and external stability and robust stability condition for a class of infinite-dimensional systems. Automatica, 1992, 28, 81-93.	3.0	22
48	Robust stability analysis of gene–protein regulatory networks with cyclic activation–repression interconnections. Systems and Control Letters, 2011, 60, 373-382.	1.3	22
49	A class of systems with the same observer. IEEE Transactions on Automatic Control, 1976, 21, 572-576.	3.6	21
50	H Robust servo problem withHâ^ž norm constraint. International Journal of Control, 1997, 66, 803-823.	1.2	20
51	Effectiveness and limitation of circle criterion for LTI robust control systems with control input nonlinearities of sector type. International Journal of Robust and Nonlinear Control, 2005, 15, 873-901.	2.1	20
52	A parameter space approach to fixed-order robust controller synthesis by quantifier elimination. International Journal of Control, 2006, 79, 1321-1330.	1.2	20
53	Best Achievable Tracking Performance in Sampled-Data Systems via LTI Controllers. IEEE Transactions on Automatic Control, 2008, 53, 2467-2479.	3.6	20
54	State covariance assignment problem with measurement noise: a unified approach based on a symmetric matrix equation. Linear Algebra and Its Applications, 1994, 203-204, 579-605.	0.4	19

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55	Properties of zeros in digital control systems with computational time delay. International Journal of Control, 1989, 49, 493-511.	1.2	18
56	A unified approach to LMI-based reduced order self-scheduling control synthesis. Systems and Control Letters, 1999, 36, 75-86.	1.3	18
57	A subband coding approach to control under limited data rates and message losses. Automatica, 2008, 44, 1141-1148.	3.0	18
58	Reduced-Order Proper \$H_infty\$ Controllers for Descriptor Systems: Existence Conditions and LMI-Based Design Algorithms. IEEE Transactions on Automatic Control, 2008, 53, 1253-1258.	3.6	18
59	Robust Stabilization in Digital Control Systems. Transactions of the Society of Instrument and Control Engineers, 1992, 28, 10-19.	0.1	18
60	The relationship between real poles and real zeros in SISO sampled data systems. IEEE Transactions on Automatic Control, 1989, 34, 632-635.	3.6	17
61	Coordinated Spatial Pattern Formation in Biomolecular Communication Networks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2015, 1, 111-121.	1.4	17
62	D-stability and robust stability conditions for LTI systems with generalized frequency variables. , 2010,		16
63	The Best Achievableâ,, 2Tracking Performances for SIMO Feedback Control Systems. Journal of Control Science and Engineering, 2007, 2007, 1-12.	0.8	15
64	An algebraic approach to hierarchical LQR synthesis for large-scale dynamical systems. , 2013, , .		15
65	On cancellation in optimal controllers. Systems and Control Letters, 1989, 13, 205-210.	1.3	14
66	Sum of roots with positive real parts. , 2005, , .		14
67	Parametric polynomial spectral factorization using the sum of roots and its application to a control design problem. Journal of Symbolic Computation, 2009, 44, 703-725.	0.5	14
68	NONLINEAR CONTROL ANALYSIS ON KINEMATICALLY ASYMMETRICALLY AFFINE CONTROL SYSTEMS WITH NONHOLONOMIC AFFINE CONSTRAINTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 157-162.	0.4	13
69	Characterization of Easily Controllable Plants Based on the Finite Frequency Phase/Gain Property: A Magic Number â^šĺž4ĺž+lž2ĺžâ^šĺž2 in â"‹‹sub›â^ž‹/sub›Loop Shaping Design. , 2007, , .		13
70	Intercellular Delay Regulates the Collective Period of Repressively Coupled Gene Regulatory Oscillator Networks. IEEE Transactions on Automatic Control, 2014, 59, 211-216.	3.6	13
71	Hierarchical Decentralized Stabilization for Networked Dynamical Systems by LQR Selective Pole Shift. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5778-5783.	0.4	13
72	Multi-resolved dynamical system theory for large scale complex systems. , 2008, , .		12

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73	Robust stability analysis for LTI systems with generalized frequency variables and its application to gene regulatory networks. Automatica, 2019, 105, 96-106.	3.0	12
74	Hankel norm of sampled-data systems. IEEE Transactions on Automatic Control, 1995, 40, 1939-1942.	3.6	11
75	Solving and visualizing nonlinear parametric constraints in control based on quantifier elimination. Applicable Algebra in Engineering, Communications and Computing, 2007, 18, 497-512.	0.3	10
76	Cyclic pursuit behavior for hierarchical multi-agent systems with low-rank interconnection. , 2008, , .		10
77	Backstepping control for parabolic PDEs with in-domain actuation. , 2012, , .		10
78	A PARAMETER SPACE APPROACH FOR FIXED-ORDER ROBUST CONTROLLER SYNTHESIS BY SYMBOLIC COMPUTATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 359-364.	0.4	9
79	Some conditions which make the constantly scaledH? control synthesis problems convex. International Journal of Robust and Nonlinear Control, 2002, 12, 21-39.	2.1	9
80	Sum of roots, polynomial spectral factorization, and control performance limitations., 2007,,.		9
81	Graphical and analytic criteria for the existence of protein level oscillations in cyclic gene regulatory networks. , 2009, , .		9
82	Hierarchical network synthesis for output consensus by eigenvector-based interlayer connections. , $2011, , .$		9
83	Turing instability in reaction-diffusion systems with a single diffuser: Characterization based on root locus. , $2013, \ldots$		9
84	Glocal motion control system of in-wheel-motor electric vehicles based on driving force distribution. , 2016, , .		9
85	Relating H/sub 2/ and H/sub â^ž/-norm bounds for sampled-data systems. IEEE Transactions on Automatic Control, 1997, 42, 858-863.	3.6	8
86	Analysis and synthesis of the robust impulse-to-peak performance. Automatica, 1998, 34, 1473-1477.	3.0	8
87	ℌ <inf>2</inf> and ℌ <inf>∞</inf> norm computations for LTI systems with generalized frequency variables. , 2010, , .		8
88	The collective oscillation period of inter-coupled Goodwin oscillators., 2012,,.		8
89	Hierarchical Decentralized Controller Synthesis for Heterogeneous Multi-Agent Dynamical Systems by LQR. SICE Journal of Control Measurement and System Integration, 2015, 8, 295-302.	0.4	8
90	Collective Oscillation Period of Inter-Coupled Biological Negative Cyclic Feedback Oscillators. IEEE Transactions on Automatic Control, 2015, 60, 1392-1397.	3.6	8

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91	Performance Competition in Cooperative Capturing by Multi-Agent Systems. SICE Journal of Control Measurement and System Integration, 2011, 4, 221-229.	0.4	8
92	State covariance assignment for sampled-data feedback control systems. International Journal of Control, 1995, 61, 719-737.	1.2	7
93	Output Regulation for Sampled-Data Feedback Systems: Internal Model Principle and H _∞ Servo Controller Synthesis., 2006,,.		7
94	Parametric optimization in control using the sum of roots for parametric polynomial spectral factorization. , 2007, , .		7
95	Cooperative gain output feedback stabilization for multi-agent dynamical systems. , 2009, , .		7
96	Sum-of-Squares Decomposition via Generalized KYP Lemma. IEEE Transactions on Automatic Control, 2009, 54, 1025-1029.	3.6	7
97	Oscillation pattern analysis for gene regulatory networks with negative cyclic feedback. , 2010, , .		7
98	Noise-induced spatial pattern formation in stochastic reaction-diffusion systems. , 2012, , .		7
99	Properties of Zeros of Sampled Systems. Transactions of the Society of Instrument and Control Engineers, 1987, 23, 371-378.	0.1	7
100	Observability for bilinear systems. International Journal of Control, 1977, 26, 559-572.	1.2	6
101	Independent parametrization of two-degree-of-freedom compensators in general robust tracking systems. , 1986, , .		6
102	Reduction of rotational speed fluctuation in motors using the repetitive control IEEJ Transactions on Industry Applications, 1987, 107, 29-34.	0.1	6
103	Finite Frequency Phase Property Versus Achievable Control Performance in Hα Loop Shaping Design. , 2006, , .		6
104	Relation between fundamental estimation limit and stability in linear quantum systems with imperfect measurement. Physical Review A, 2007, 76, .	1.0	6
105	Time delay effects on oscillation profiles in cyclic gene regulatory networks: Harmonic balance approach. , 2011, , .		6
106	Stability analysis of tire force distribution for multi-actuator electric vehicles using generalized frequency variable., 2016,,.		6
107	Hierarchically decentralized control for in-wheel-motored electric vehicles with global and local objectives. , 2017, , .		6
108	Parameter Space Design for H^ ^infin; Control. Transactions of the Society of Instrument and Control Engineers, 1991, 27, 714-716.	0.1	6

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109	An Algebraic Approach to Hierarchical Optimal Control of Large-scale Dynamical Systems. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 1154-1163.	0.1	6
110	On constrained lt; tex left; $H^{\hat{a}^z}$ lt; /tex left; optimization problem for SISO systems. IEEE Transactions on Automatic Control, 1986, 31, 856-858.	3.6	5
111	A probabilistic approach to model set validation. , 0, , .		5
112	Sensitivity analysis of networked control systems via an information theoretic approach. , 2008, , .		5
113	Stabilization of multi-agent dynamical systems for cyclic pursuit behavior., 2008,,.		5
114	Eigenvector-based characterization for hierarchical multi-agent dynamical systems with low rank interconnection. , 2010, , .		5
115	Backstepping observer using weighted spatial average for 1-dimensional parabolic distributed parameter systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13326-13331.	0.4	5
116	On quantum-classical equivalence for linear systems control problems and its application to quantum entanglement assignment. , $2011, \ldots$		5
117	Tracking Control and System Development for Laser-Driven Micro-Vehicles. Transactions of the Japan Society for Aeronautical and Space Sciences, 2006, 49, 71-76.	0.4	5
118	Sum of Roots Characterization for H2 Control Performance Limitations. SICE Journal of Control Measurement and System Integration, 2008, 1, 58-65.	0.4	5
119	A Synthesis for Robust Tracking Systems Based onH^ ^infin; Control. Transactions of the Society of Instrument and Control Engineers, 1996, 32, 502-509.	0.1	5
120	^ ^isin;-Feasibility for H^ ^infin; Control Problem with Constant Diagonal Scaling. Transactions of the Society of Instrument and Control Engineers, 1997, 33, 155-162.	0.1	5
121	Computer Aided Control System Analysis and Design Based on the Concept of Object-Orientation. Transactions of the Society of Instrument and Control Engineers, 1988, 24, 506-513.	0.1	5
122	An LMI approach to local optimization for constantly scaled H control problems. International Journal of Control, 1997, 67, 233-250.	1.2	4
123	Symbolic optimization of algebraic functions. , 2008, , .		4
124	Existence conditions for oscillations in cyclic gene regulatory networks with time delay. , 2010, , .		4
125	Performance analysis of decentralized cooperative driving under non-symmetric bidirectional information architecture. , 2010 , , .		4
126	Adaptive Consensus for a Class of Uncertain Nonlinear Multi-Agent Dynamical Systems*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1219-1224.	0.4	4

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127	Decomposition of energy function and hierarchical transient stability diagnosis for power networks. , 2015, , .		4
128	Analysis of synchronization of n metronomes on a cart via describing function method: New results beyond two metronomes. , $2016, \dots$		4
129	Decomposition of energy function and hierarchical diagnosis of power grid swing instabilities. Nonlinear Theory and Its Applications IEICE, 2016, 7, 523-547.	0.4	4
130	Solution of algebraic riccati equations using the sum of roots. , 2009, , .		4
131	Guaranteed Accuracy Algorithm in H2 Optimal Tracking Controller Synthesis. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 102-109.	0.1	4
132	Sensitivity improvement by a stable controller in SISO digital control systems. Systems and Control Letters, 1989, 12, 123-128.	1.3	3
133	QUANTIZED FEEDBACK CONTROL FOR SAMPLED-DATA SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 213-218.	0.4	3
134	Dynamical System Design from Control Perspective. , 2006, , .		3
135	Development of a MATLAB toolbox for parametric robust control - new algorithms and functions , 2006, , .		3
136	A UNIFICATION OF ANALYTICAL EXPRESSIONS FOR CONTROL PERFORMANCE LIMITATIONS VIA RECIPROCAL TRANSFORM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 620-625.	0.4	3
137	Efficient parameter identification for stochastic biochemical networks using a reduced-order realization. , $2013, \ldots$		3
138	Range extension control system for electric vehicles by LTI modeling with generalized frequency variable. , 2014, , .		3
139	New Characterization and Classification of Synchronization of Multiple Metronomes on a Cart via Describing Function Method. IFAC-PapersOnLine, 2017, 50, 9450-9455.	0.5	3
140	Rank Properties of Inter-layer Incidence Matrix and Convergence Performance in Hierarchical Consensus. Transactions of the Society of Instrument and Control Engineers, 2009, 45, 476-483.	0.1	3
141	Ripple Phenomena in Digital Repetitive Control. Transactions of the Society of Instrument and Control Engineers, 1991, 27, 915-921.	0.1	3
142	Robust Instability Analysis with Application to Neuronal Dynamics. , 2020, , .		3
143	Unknown input observability for discrete-time linear multivariable systems and its application. International Journal of Control, 1984, 39, 1043-1050.	1.2	2
144	On constrained H [∞] optimization problem for SISO systems. , 1985, , .		2

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145	Relationships between internal and external stability for infinite-dimensional systems with applications to a servo problem. , $1987, , .$		2
146	H â^ž-suboptimal controller design of robust tracking systems. , 1992, , 162-169.		2
147	Frequency-restricted norm bounds for interval systems. International Journal of Robust and Nonlinear Control, 1994, 4, 575-593.	2.1	2
148	BEST TRACKING AND REGULATION PERFORMANCE UNDER CONTROL EFFORT CONSTRAINT: TWO-PARAMETER CONTROLLER CASE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 497-502.	0.4	2
149	FINITE FREQUENCY CHARACTERIZATION OF EASILY CONTROLLABLE MECHANICAL SYSTEMS UNDER CONTROL EFFORT CONSTRAINT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 509-514.	0.4	2
150	AN EXACT STABILITY TEST FOR PLANAR AND MULTI-MODAL PIECEWISE LINEAR SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 466-471.	0.4	2
151	Time domain characterization of finite frequency properties via behavioral approach. , 2008, , .		2
152	Plant/controller design integration for $\#x210B; \inf>2$ control by symbolic-numeric hybrid optimization based on sum of roots characterization., 2009, , .		2
153	Periodic oscillations in cyclic repressor networks: Analytic existence criteria with biological insight. , 2010, , .		2
154	Output regulation for sampledâ€data feedback control systems: Internal model principle andH8servo controller synthesis (Invited). Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2010, 33, 335-346.	0.6	2
155	Comments and Corrections on "Stability of Genetic Regulatory Networks With Time Delay―[May 02 602-608]. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2771-2774.	3 . 5	2
156	Dissipativity-Based Stability Analysis of Networked Nonlinear Descriptor Systems and Its Application to Power Grids. SICE Journal of Control Measurement and System Integration, 2019, 12, 29-38.	0.4	2
157	Distributed Control of Stochastic Manufacturing Processes Based on Consensus Algorithms., 2019,,.		2
158	Nonlinear Control Analysis of Nonholonomic Kinematic Systems with Affine Constraints. Transactions of the Society of Instrument and Control Engineers, 2010, 46, 759-764.	0.1	2
159	Local Reachability and Local Observability of Controlled Quantum Dynamics. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 1078-1087.	0.1	2
160	Characterization of Finite Frequency Properties Using Quadratic Differential Forms. SICE Journal of Control Measurement and System Integration, 2010, 3, 466-475.	0.4	2
161	Plant/controller design integration for H2 control based on symbolic-numeric hybrid optimization. Communications in Information and Systems, 2011, 11, 281-306.	0.3	2
162	Modeling and Analysis of Nonholonomic Dynamic Systems with Affine Constraints. Transactions of the Institute of Systems Control and Information Engineers, 2011, 24, 9-15.	0.1	2

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163	The Analysis of Turing Instability in Reaction-diffusion Systems Using a Single Diffuser. Transactions of the Society of Instrument and Control Engineers, 2013, 49, 1164-1171.	0.1	2
164	HSYS module: A software package for analysis and synthesis of sampled-data control systems. , 1997, , .		1
165	Tracking performance with finite input energy. , 2001, , 41-55.		1
166	Global optimization for robust control synthesis based on the Matrix Product Eigenvalue Problem. International Journal of Robust and Nonlinear Control, 2001, 11, 857-878.	2.1	1
167	Guaranteed accuracy algorithm in H <inf>2</inf> optimal tracking controller synthesis., 2006,,.		1
168	Optimal Tracking Performance for SIMO Feedback Control Systems: Analytical Closed-Form Expressions and Guaranteed Accuracy Computation. , 2006, , .		1
169	Reduced-order proper H <inf>∞</inf> controllers for descriptor systems: Existence conditions and LMI-based design algorithms. , 2007, , .		1
170	Feedback control through networks with packet loss: mixed H ₂ /H _∞ approach and application to a teleoperating system., 2007,,.		1
171	Cyclic pursuit strategy for multi-agent dynamical systems with sampled communication. , 2008, , .		1
172	A Practical Loop Shaping Design Procedure with Classical Control Criteria and Its Application to Hard Disk Drives. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2002-2007.	0.4	1
173	Characterization of a complementary sensitivity property in feedback control: An information theoretic approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5185-5190.	0.4	1
174	Algebraic approach to sensitivity analysis in optimal feedback control system design. , 2010, , .		1
175	Synchronization behaviors in Goodwin oscillator networks driven by external periodic signals. , 2013, , .		1
176	Entrainment Analysis in Goodwin-Type Nonlinear Oscillator Networks Driven by External Periodic Signals. SICE Journal of Control Measurement and System Integration, 2014, 7, 337-346.	0.4	1
177	Sum of imaginary parts and performance limitation of the LQG problem for SIMO systems. , 2014, , .		1
178	Generalizing the KYP Lemma to Multiple Frequency Intervals. SIAM Journal on Control and Optimization, 2014, 52, 3618-3638.	1.1	1
179	Hierarchically Decentralized Control for Networked Dynamical Systems with Global and Local Objectives. Lecture Notes in Control and Information Sciences - Proceedings, 2018, , 179-191.	0.1	1
180	Best Achievable Performance of Cooperative Kalman Filters for Decoupled Multi-agent Systems under Environmental Disturbances. IFAC-PapersOnLine, 2018, 51, 196-201.	0.5	1

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181	Interconnected Hierarchical Modelling and Passivity Based Motion Control of IWM Electric Vehicles. , 2019, , .		1
182	Properties of Common Zeros between Pulse Transfer Function and Modified Pulse Transfer Function. Transactions of the Society of Instrument and Control Engineers, 1988, 24, 92-94.	0.1	1
183	Controlled Dynamics Model for Quantum Systems. Transactions of the Society of Instrument and Control Engineers, 2004, 40, 229-238.	0.1	1
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