

# Ming-cong Deng

## List of Publications by Year in descending order

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377  
papers

2,694  
citations

186209

28  
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302012

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381  
all docs

381  
docs citations

381  
times ranked

739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operator-Based Nonlinear Feedback Control Design Using Robust Right Coprime Factorization. IEEE Transactions on Automatic Control, 2006, 51, 645-648.	3.6	215
2	Robust fault tolerant tracking control for the multi-joint manipulator based on operator theory. Journal of the Franklin Institute, 2020, 357, 2696-2714.	1.9	53
3	A parallel feedforward compensator virtually realizing almost strictly positive real plant. , 0, , .		49
4	Two-wheeled mobile robot motion control in dynamic environments. Robotics and Computer-Integrated Manufacturing, 2010, 26, 268-272.	6.1	48
5	System Design for Nonlinear Plants Using Operator-Based Robust Right Coprime Factorization and Isomorphism. IEEE Transactions on Automatic Control, 2011, 56, 952-957.	3.6	47
6	Operator-based robust control for nonlinear systems with Prandtl's hysteresis. International Journal of Systems Science, 2011, 42, 643-652.	3.7	47
7	Robust non-linear control design to an ionic polymer metal composite with hysteresis using operator-based approach. IET Control Theory and Applications, 2012, 6, 2667-2675.	1.2	47
8	Operator-based robust non-linear control for gantry crane system with soft measurement of swing angle. International Journal of Modelling, Identification and Control, 2012, 16, 86.	0.2	47
9	Networked non-linear control for an aluminum plate thermal process with time-delays. International Journal of Systems Science, 2008, 39, 1075-1080.	3.7	46
10	Adaptive Nonlinear Sensorless Control for an Uncertain Miniature Pneumatic Curling Rubber Actuator Using Passivity and Robust Right Coprime Factorization. IEEE Transactions on Control Systems Technology, 2016, 24, 318-324.	3.2	45
11	Robust Stability and Tracking for Operator-Based Nonlinear Uncertain Systems. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1059-1066.	3.4	44
12	Robust non-linear control and tracking design for multi-input multi-output non-linear perturbed plants. IET Control Theory and Applications, 2009, 3, 1237-1248.	1.2	43
13	Operator-based robust nonlinear control and fault detection for a Peltier actuated thermal process. Mathematical and Computer Modelling, 2013, 57, 16-29.	2.0	43
14	Simple adaptive control of processes with time-delay. Journal of Process Control, 1997, 7, 439-449.	1.7	42
15	Robust parallel compensator design for output feedback stabilization of plants with structured uncertainty. Systems and Control Letters, 1999, 36, 193-198.	1.3	42
16	An integrated study procedure on real-time estimation of time-varying multi-joint human arm viscoelasticity. Transactions of the Institute of Measurement and Control, 2011, 33, 919-941.	1.1	42
17	Robust Control for Nonlinear Systems Using Passivity-Based Robust Right Coprime Factorization. IEEE Transactions on Automatic Control, 2012, 57, 2599-2604.	3.6	41
18	Operator-Based Robust Nonlinear Control for a Peltier Actuated Process. Measurement and Control, 2011, 44, 116-120.	0.9	40

#	ARTICLE	IF	CITATIONS
19	Robust nonlinear multivariable tracking control design to a manipulator with unknown uncertainties using operator-based robust right coprime factorization. Transactions of the Institute of Measurement and Control, 2013, 35, 788-797.	1.1	40
20	Fault detection in a thermal process control system with input constraints using a robust right coprime factorization approach. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 819-831.	0.7	39
21	Isomorphism-based robust right coprime factorisation of non-linear unstable plants with perturbations. IET Control Theory and Applications, 2010, 4, 2381-2390.	1.2	38
22	IEEE Robotics and Automation Society Technical Committee on Agricultural Robotics and Automation [TC Spotlight]. IEEE Robotics and Automation Magazine, 2013, 20, 20-125.	2.2	38
23	Operator-based non-linear vibration control system design of a flexible arm with piezoelectric actuator. International Journal of Advanced Mechatronic Systems, 2008, 1, 71.	0.1	37
24	Operator-based robust nonlinear control system design for MIMO nonlinear plants with unknown coupling effects. International Journal of Control, 2010, 83, 1939-1946.	1.2	36
25	Operator-based robust control design for nonlinear plants with perturbation. International Journal of Control, 2011, 84, 815-821.	1.2	36
26	Operator-based robust control for nonlinear plants with uncertain non-symmetric backlash. Asian Journal of Control, 2011, 13, 317-327.	1.9	34
27	Operator-based output tracking control for non-linear uncertain systems with unknown time-varying delays. IET Control Theory and Applications, 2011, 5, 693-699.	1.2	33
28	Operator-based experimental studies on nonlinear vibration control for an aircraft vertical tail with considering low-order modes. Transactions of the Institute of Measurement and Control, 2016, 38, 1421-1433.	1.1	33
29	An obstacle avoidance method for two wheeled mobile robot. , 2007, , .		31
30	A numerical dynamic behaviour model for 3D contact problems with friction. Computational Materials Science, 2014, 94, 285-291.	1.4	28
31	A Q-Learning for Group-Based Plan of Container Transfer Scheduling. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 473-479.	0.3	25
32	Operator based Thermal Control of an Aluminum Plate with a Peltier Device. , 2007, , .		24
33	Swing-up Control of the Acrobot Using a New Partial Linearization Controller Based on the Lyapunov Theorem. , 0, , .		22
34	A Miniature Pneumatic Bending Rubber Actuator Controlled by Using the PSO-SVR-Based Motion Estimation Method with the Generalized Gaussian Kernel. Actuators, 2017, 6, 6.	1.2	21
35	Robust adaptive control scheme for uncertain non-linear model reference adaptive control systems with time-varying delays. IET Control Theory and Applications, 2015, 9, 1181-1189.	1.2	20
36	Swing-up control of a serial double inverted pendulum. , 2004, , .		17

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37	Operator-based robust nonlinear control and its realization for a multi-tank process by using a distributed control system. Transactions of the Institute of Measurement and Control, 2012, 34, 891-902.	1.1	16
38	Experimental Study on Robust Nonlinear Forced Vibration Control for an L-Shaped Arm with Reduced Control Inputs. IEEE/ASME Transactions on Mechatronics, 2017, 22, 2186-2195.	3.7	15
39	Modeling and System Integration for a Thin Pneumatic Rubber 3-DOF Actuator. Actuators, 2019, 8, 32.	1.2	15
40	Operator-Based Framework for Fault Diagnosis in Nonlinear Tracking Control Systems. Measurement and Control, 2006, 39, 147-150.	0.9	14
41	Support vector machine-based two-wheeled mobile robot motion control in a noisy environment. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2008, 222, 733-743.	0.7	14
42	Nonlinear control of the underactuated two-link manipulator using the sliding-mode type partial linearisation method. International Journal of Computer Applications in Technology, 2011, 41, 230.	0.3	14
43	Modelling and Operator-Based Nonlinear Control for a Miniature Pneumatic Bending Rubber Actuator Considering Bellows. Actuators, 2018, 7, 26.	1.2	14
44	U-Model-Based Two-Degree-of-Freedom Internal Model Control of Nonlinear Dynamic Systems. Entropy, 2021, 23, 169.	1.1	14
45	Operator-Based Vibration Control System Design of a Flexible Arm Using an SMA Actuator with Hysteresis. SICE Journal of Control Measurement and System Integration, 2012, 5, 115-123.	0.4	14
46	Model output following control based on CGT approach for plants with time delays. International Journal of Systems Science, 1999, 30, 69-75.	3.7	13
47	Strongly Stable Generalized Predictive Control Focused on Closed-loop Characteristics. Transactions of the Society of Instrument and Control Engineers, 2011, 47, 317-325.	0.1	13
48	Sensorless Anti-swing Robust Nonlinear Control for Travelling Crane System Using SVR with Generalized Gaussian Function and Robust Right Coprime Factorization. Transactions of the Society of Instrument and Control Engineers, 2011, 47, 366-373.	0.1	13
49	Stable robust feedback control system design for unstable plants with input constraints using robust right coprime factorization. International Journal of Robust and Nonlinear Control, 2007, 17, 1716-1733.	2.1	12
50	Analysis and experiment on simultaneous swingâ€up of a parallel cartâ€type double inverted pendulum. Asian Journal of Control, 2008, 10, 121-128.	1.9	12
51	Robust stability of nonlinear plants with a non-symmetric Prandtl-Ishlinskii hysteresis model. International Journal of Automation and Computing, 2010, 7, 213-218.	4.5	12
52	Robust control for nonlinear systems with unknown perturbations using simplified robust right coprime factorisation. International Journal of Control, 2012, 85, 842-850.	1.2	12
53	Operator-based robust control for nonlinear uncertain systems with unknown backlash-like hysteresis. International Journal of Control, Automation and Systems, 2016, 14, 469-477.	1.6	12
54	Tracking Performance Improvement for Operator-based Nonlinear Robust Control of Wireless Power Transfer Systems with Uncertainties. International Journal of Control, Automation and Systems, 2019, 17, 545-554.	1.6	12

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55	Continuous-time anti-windup generalized predictive control of non-minimum phase processes with input constraints. , 0, , .		11
56	Swing-up controller for the Acrobot using skill of human movements. International Journal of Modelling, Identification and Control, 2009, 6, 222.	0.2	11
57	Operator-based Robust Right Coprime Factorization and a Nonlinear Control Scheme for Nonlinear Plant with Unknown Perturbations. Asian Journal of Control, 2012, 14, 1655-1661.	1.9	11
58	Operator-based robust control design for a human arm-like manipulator with time-varying delay measurements. International Journal of Control, Automation and Systems, 2013, 11, 1112-1121.	1.6	11
59	Operator-based robust nonlinear optimal vibration control for an L-shaped arm driven by linear pulse motor. International Journal of Control, Automation and Systems, 2017, 15, 2026-2033.	1.6	11
60	Operator-based robust nonlinear control for SISO and MIMO nonlinear systems with PI hysteresis. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 523-530.	8.5	11
61	Non-linear control of under-actuated mechanical systems. International Journal of Modelling, Identification and Control, 2009, 6, 32.	0.2	10
62	Adaptive control of a two-link planar manipulator using nonlinear Model predictive control. , 2010, , .		10
63	Operator-based nonlinear temperature control experiment for microreactor group actuated by Peltier devices. International Journal of Automation and Computing, 2016, 13, 401-408.	4.5	10
64	An Operator-based Nonlinear Vibration Control System Using a Flexible Arm with Shape Memory Alloy. International Journal of Automation and Computing, 2020, 17, 139-150.	4.5	10
65	Operator-Based Sliding-Mode Nonlinear Control Design for a Process with Input Constraint. Journal of Robotics and Mechatronics, 2015, 27, 83-90.	0.5	10
66	Safety Assessment for Power Plants using Analytical Hierarchy Process and System Functionality. , 2007, , .		9
67	Mobile Robot Path Planning by Svm and Lyapunov Function Compensation. Measurement and Control, 2009, 42, 234-237.	0.9	9
68	Operator-based vibration control for aircraft vertical tail with piezoelectric actuator. , 2010, , .		9
69	Robots extension control using fuzzy smoothing. , 2013, , .		9
70	Nonlinear sensorless cooling control for a Peltier actuated aluminum plate thermal system. , 2013, , .		9
71	Operator-based robust nonlinear free vibration control of a flexible plate with unknown input nonlinearity. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 442-450.	8.5	9
72	Recent Developments on Modeling for a 3-DOF Micro-Hand Based on AI Methods. Micromachines, 2020, 11, 792.	1.4	9

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73	Operator-Based Nonlinear Control for a Miniature Flexible Actuator Using the Funnel Control Method. <i>Machines</i> , 2021, 9, 26.	1.2	9
74	Swing-Up Control of a Serial Cart-Type Double Inverted Pendulum System. <i>Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C</i> , 2005, 71, 1269-1275.	0.2	8
75	Parking Control of a Two Wheeled Mobile Robot. , 2007, , .		8
76	Design of a Robust Sliding Mode Controller using Multirate Output Feedback. <i>Control Applications (CCA), Proceedings of the IEEE International Conference on</i> , 2007, , .	0.0	8
77	Experimental study on operator based nonlinear temperature control of an aluminum plate actuated by a peltier device. , 2008, , .		8
78	Operator-based MPPT control system for thermoelectric generation by measuring the open-circuit voltage. , 2016, , .		8
79	Robust Estimation of Human Multijoint Arm Viscoelasticity during Movement. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2003, 39, 537-543.	0.1	7
80	Lyapunov function-based obstacle avoidance scheme for a two-wheeled mobile robot. <i>Journal of Control Theory and Applications</i> , 2008, 6, 399-404.	0.8	7
81	Fault Detection System Design for Actuator of a Thermal Process Using Operator Based Approach. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2010, 36, 580-585.	1.5	7
82	Improved Artificial Bee Colony Algorithm and Its Application in LQR Controller Optimization. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	0.6	7
83	Operator theory based nonlinear fault tolerance control for MIMO microreactor. , 2016, , .		7
84	Operator-based integral sliding mode control design for WPT system via magnetic resonance coupling. , 2017, , .		7
85	Operator-based robust nonlinear control of an uncertain wireless power transfer system using sliding mode technology. <i>Transactions of the Institute of Measurement and Control</i> , 2018, 40, 4397-4406.	1.1	7
86	Passivity-Based Tracking Control for Uncertain Nonlinear Feedback Systems. <i>Journal of Robotics and Mechatronics</i> , 2016, 28, 837-841.	0.5	7
87	Nonlinear Perfect Tracking Control for a Robot Arm with Uncertainties Using Operator-Based Robust Right Coprime Factorization Approach. <i>Journal of Robotics and Mechatronics</i> , 2015, 27, 49-56.	0.5	7
88	Practical Swing-up Control System Design of Cart-type Double Inverted Pendulum. , 2006, , .		6
89	Experimental Results of an Aluminum Plate Temperature Control by Stable Continuous-Time Generalized Predictive Control. , 2006, , .		6
90	Swing-up and stabilizing control system design for an Acrobot. , 2007, , .		6

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91	Isomorphism-based robust right coprime factorization realization for non-linear feedback systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2011, 225, 760-769.	0.7	6
92	Reproduction of swing-up and giant swing motion of Acrobot based on a technique of the horizontal bar gymnast. , 2014, , .		6
93	Tracking operator-based optimal load control for loosely coupled wireless power transfer systems. , 2017, , .		6
94	Operator Based Two Loop Nonlinear Forced Vibration Control of a Flexible Plate. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2018, 203, 19-28.	0.2	6
95	Operator-based nonlinear free vibration control of a flexible plate with sudden perturbations. Transactions of the Institute of Measurement and Control, 2020, 42, 1375-1387.	1.1	6
96	Chattering and bias-free design of operator-based nonlinear sliding mode control for a WPT system. International Journal of Advanced Mechatronic Systems, 2020, 8, 127.	0.1	6
97	Particle Filter Design for Robust Nonlinear Control System of Uncertain Heat Exchange Process with Sensor Noise and Communication Time Delay. Applied Sciences (Switzerland), 2022, 12, 2495.	1.3	6
98	An Extension of Two Degree-of-Freedom of Generalized Predictive Control for M-input M-output Systems Based on State Space Approach. , 2007, , .		5
99	Application of an anti-windup multivariable continuous-time generalised predictive control to a temperature control of an aluminium plate. International Journal of Modelling, Identification and Control, 2007, 2, 130.	0.2	5
100	Attitude control system design and application on a helicopter experimental system. International Journal of Modelling, Identification and Control, 2008, 4, 373.	0.2	5
101	Operator based Nonlinear Control Design for a Water Level Process System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 1195-1199.	0.4	5
102	Turbofan aero-engine full flight envelope control using $H_{\infty}$ loop-shaping control technique. International Journal of Advanced Mechatronic Systems, 2011, 3, 65.	0.1	5
103	Operator based fault detection and compensation design of an unknown multivariable tank process. , 2013, , .		5
104	Modeling on the fluid temperature distribution of a spiral heat exchanger. , 2014, , .		5
105	Strongly stable GPC with suppression of steady state gain and closed-loop poles. , 2015, , .		5
106	Operator-based external disturbance rejection of perturbed nonlinear systems by using robust right coprime factorization. Transactions of the Institute of Measurement and Control, 2018, 40, 3169-3178.	1.1	5
107	Operator-based Robust Fault Tolerance Control for Uncertain Nonlinear Microreactors with Coupling Effects. , 2019, , .		5
108	Operator-Based Robust Nonlinear Control for a Manipulator with Human Multi-Joint Arm-Like Viscoelastic Properties. SICE Journal of Control Measurement and System Integration, 2012, 5, 296-303.	0.4	5

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109	Developments on robust parallel compensator design and its possible applications. International Journal of Modelling, Identification and Control, 2020, 35, 277.	0.2	5
110	GPU Based Modelling and Analysis for Parallel Fractional Order Derivative Model of the Spiral-Plate Heat Exchanger. Axioms, 2021, 10, 344.	0.9	5
111	Applying an MSVR Method to Forecast a Three-Degree-of-Freedom Soft Actuator for a Nonlinear Position Control System: Simulation and Experiments. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 61-69.	1.2	5
112	Continuous-time anti-windup generalized predictive control of uncertain processes with input constraints and time delays. , 0, , .		4
113	Adaptive vibration control of flexible structure with unknown and unmeasurable disturbances. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 585-590.	0.4	4
114	Attitude Control System Design of a Helicopter Experimental System. , 0, , .		4
115	Framework of combined adaptive and non-adaptive attitude control system for a helicopter experimental system. International Journal of Automation and Computing, 2006, 3, 229-234.	4.5	4
116	Stable Anti-Windup Continuous-Time Generalised Predictive Control to a Process Control Experimental System. Measurement and Control, 2007, 40, 120-123.	0.9	4
117	Fault Detection to a Process Control Experimental System by Using an Adaptive Observer. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 621-623.	0.1	4
118	Decentralized PD control for non-uniform motion of a Hamiltonian hybrid system. International Journal of Automation and Computing, 2008, 5, 119-124.	4.5	4
119	Adaptive vibration control of piezoelectric actuator based flexible arm with unknown and unmeasurable disturbances. International Journal of Modelling, Identification and Control, 2009, 6, 215.	0.2	4
120	Actuator fault detection on a process control experimental system using combined observers. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2011, 225, 807-813.	0.7	4
121	Human Arm-Like Robot Control Based on Human Multi-Joint Arm Viscoelastic Properties and A Modified Forward Gaze Model. Journal of System Design and Dynamics, 2012, 6, 170-185.	0.3	4
122	Operator-based parallel compensation control for hysteresis using ELM-based PI model. International Journal of Advanced Mechatronic Systems, 2012, 4, 280.	0.1	4
123	Operator-based actuator fault detection system design of a thermal process. International Journal of Computer Applications in Technology, 2012, 45, 148.	0.3	4
124	Operator-based robust control for MIMO non-linear systems with uncertain hysteresis. International Journal of Advanced Mechatronic Systems, 2012, 4, 212.	0.1	4
125	Design of poles of controller in strongly stable generalised minimum variance control using symbolic computation software. International Journal of Advanced Mechatronic Systems, 2013, 5, 345.	0.1	4
126	Nonlinear sensorless cooling control for a peltier actuated aluminum plate thermal system. , 2013, , .		4



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127	Intelligent extended control of the walking robot motion. , 2014, , .		4
128	Unified method for swing-up control of double inverted pendulum systems. , 2014, , .		4
129	A Cooling and Heat-retention System actuated by Peltier device considering fan-motor control. , 2014, , .		4
130	Nonlinear remote temperature control of a spiral plate heat exchanger. , 2015, , .		4
131	Nonlinear feedback control design based on operator theory for loosely coupled wireless power transfer systems. , 2016, , .		4
132	Design of a Data-Driven Controller for a Spiral Heat Exchanger. IFAC-PapersOnLine, 2016, 49, 342-346.	0.5	4
133	Nonlinear Control Method for Nonlinear Systems with Unknown Perturbations by Combining Left and Right Factorization. Asian Journal of Control, 2018, 20, 1734-1744.	1.9	4
134	Experimental study on a spiral heat exchange process using DCS device. , 2018, , .		4
135	Multi-variable Generalized Minimum Variance Control with Time-delay Using Interactor Matrix. , 2019, , .		4
136	Operator Based Robust Nonlinear Vibration Control of Load-attached Flexible Arm Actuated by Single-sided SMA. , 2019, , .		4
137	Simple Calorimetric Power Loss Measurement System Using Single Chamber and Peltier Device with Ambient Temperature Tracking Control. , 2020, , .		4
138	THE PARTIAL LINEARIZATION METHOD FOR TRACKING THE TIME-VARIANT REFERENCE FUNCTION. , 2007, , .		4
139	Survey of A New Nonlinear Control Technique: An Operator-based Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 1812.	0.3	4
140	Simple Adaptive Control Systems Design for Processes with Uncertainty. Transactions of the Society of Instrument and Control Engineers, 1999, 35, 852-860.	0.1	4
141	Nonlinear fault tolerance control and fault detection for the microreactor group. The Proceedings of the Symposium on Evaluation and Diagnosis, 2017, 2017.16, 113.	0.1	4
142	An Operator-based Optimal Equivalent Load Tracking Control Scheme for Uncertain Wireless Power Transfer Systems. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 364-371.	0.1	4
143	Simple Adaptive Control with a Parallel Feedforward Compensator for Processes with Time Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1417-1422.	0.4	3
144	Robust Parallel Compensator for Output Feedback Stabilization of Processes with Uncertainties. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 39-44.	0.4	3

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145	PRACTICAL SWING-LIP CONTROLLER DESIGN FOR A CART-TYPE SINGLE INVERTED PENDULUM HAVING A SERIAL SECOND PENDULUM AS PARASITIC DYNAMICS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 223-228.	0.4	3
146	Obstacle Avoidance and Two Wheeled Mobile Robot Control Using Potential Function. , 2006, , .		3
147	Operator based robust control for nonlinear systems with hysteresis. , 2007, , .		3
148	Experimental Study on Shape Parameters of MIMO Bioprocess. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	3
149	An Extension of Self-Tuning Two Degree-of-Freedom GPC Based on Polynomial Approach with Computational Savings. , 2008, , .		3
150	Analysis and Experimental Study on Networked Nonlinear Controller Design for a Water Level Process Experimental Process. , 2008, , .		3
151	A novel modeling of nonlinear plants with hysteresis described by non-symmetric play operator. , 2008, , .		3
152	Online estimation of multijoint human arm viscoelasticity for the case of unknown variance. , 2009, , .		3
153	Robust Control System Design of a Direct Current Governor System with Input Constraints. , 2009, , .		3
154	Application of robust right coprime factorization approach to a distributed process control system. , 2009, , .		3
155	Operator-based robust right coprime factorization design for planar gantry crane. , 2010, , .		3
156	Robust stability and tracking of non-linear systems with modified Prandtl-Ishlinskii hysteresis model. International Journal of Modelling, Identification and Control, 2010, 10, 29.	0.2	3
157	Human arm-like robot control using the viscoelasticity of human multi-joint arm. , 2010, , .		3
158	Operator-based parallel compensation control for the plants with hysteresis. , 2010, , .		3
159	A design procedure for control of strictly proper non-minimum phase processes with input constraints and disturbance. International Journal of Modelling, Identification and Control, 2011, 13, 46.	0.2	3
160	Operator-based parallel compensation control for hysteresis using ELM-based stop-type PI model. , 2012, , .		3
161	Operator-based robust control of MIMO aluminium plate thermal process. International Journal of Computer Applications in Technology, 2012, 44, 249.	0.3	3
162	An optimal robust controller with multi-rate output feedback by using symbolic computation. , 2013, , .		3

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163	SVM based fault classifier design for a water level control system. , 2013, , .		3
164	Experimental study of nonlinear vibration control for vertical tail with considering low order mode. , 2013, , .		3
165	New Developments on Robust Nonlinear Control and Its Applications. Mathematical Problems in Engineering, 2014, 2014, 1-2.	0.6	3
166	Operator-based robust decoupling control for MIMO nonlinear systems. , 2014, , .		3
167	Operator based MPPT scheme of power generation system using thermoelectric devises. , 2014, , .		3
168	Robust temperature control of polymer electrolyte fuel cell reformer. International Journal of Advanced Mechatronic Systems, 2014, 6, 12.	0.1	3
169	Positioning Control through Command Messages Inside a Flexible Robotic Cell with AGV. , 2015, , .		3
170	Operator based fault detection and isolation for microreactor actuated by Peltier devices. , 2015, , .		3
171	Early detection of plant faults by using machine learning. , 2016, , .		3
172	Robust nonlinear tracking control system design of an uncertain multivariable process driven by a distributed control system device. Transactions of the Institute of Measurement and Control, 2017, 39, 520-536.	1.1	3
173	Operator-based robust nonlinear vibration control for an L-shaped arm with unknown load by using online wavelet transform. IET Control Theory and Applications, 2018, 12, 770-777.	1.2	3
174	Particle filter based remote control for processes with communication delays. , 2018, , .		3
175	Parameter optimization for operator-based robust nonlinear control of uncertain wireless power transfer systems by using ant colony optimization. , 2019, , .		3
176	Experimental Study on Operator-based Nonlinear Control for a Miniature Pneumatic Bending Rubber Actuator by Using PSO-SVR-GGD Method. , 2019, , .		3
177	Experimental Research on Nonlinear Process Output Estimation System by DCS Devices. , 2019, , .		3
178	A New Learning Algorithm for Data-driven PID Controller Based on E-FRIT. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 683-689.	0.1	3
179	An Application of DCS Device to a Heat Exchange Process. Lecture Notes in Computer Science, 2012, , 111-120.	1.0	3
180	Sensorless Nonlinear Control for A Miniature Pneumatic Curling Rubber Actuator Using Robust Right Coprime Factorization and SVR Estimation. IEEJ Transactions on Electronics, Information and Systems, 2013, 133, 1924-1929.	0.1	3

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181	Minimization of Output Tracking Errors of Systems with Time-Delay in Input Term. IEEJ Transactions on Electronics, Information and Systems, 2017, 137, 54-59.	0.1	3
182	Experimental Studies on Operator-based Nonlinear Vibration Control of a Flexible Arm Considering Prescribed Performance. , 2020, , .		3
183	Operator-based nonlinear fault detection and fault tolerant control for microreactor using one-class SVM. International Journal of Advanced Mechatronic Systems, 2020, 8, 109.	0.1	3
184	Nonlinear Intelligent Control of Two Link Robot Arm by Considering Human Voluntary Components. Sensors, 2022, 22, 1424.	2.1	3
185	Operator-based Robust Nonlinear Vibration Control System for A Flexible Arm with Double-sided SMA. , 2022, , .		3
186	Non-linear forced vibration control for a vertical wing-plate with sustainable perturbation by using internal model control mechanism. International Journal of Control, 2023, 96, 1543-1550.	1.2	3
187	Prescribed performance based nonlinear vibration control of a flexible arm with shape memory alloy actuator. , 2021, , .		3
188	A Nonlinear Control of Linear Slider Considering Position Dependence of Interlinkage Flux. Machines, 2022, 10, 522.	1.2	3
189	Robust parallel compensator for the existence of static output feedback of plants with structured and unstructured uncertainties. , 0, , .		2
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