Guang-Ren Duan

List of Publications by Year
in descending order

376 papers	8,758 citations	41258 49 h-index	66788 78 g-index
377 all docs	377 docs citations	377 times ranked	3055 citing authors

#	Article	IF	Citations
1	Analysis and Design of Descriptor Linear Systems. Advances in Mechanics and Mathematics, 2010, , .	0.2	523
2	A Parametric Lyapunov Equation Approach to the Design of Low Gain Feedback. IEEE Transactions on Automatic Control, 2008, 53, 1548-1554.	3.6	221
3	LMIs in Control Systems. , 0, , .		214
4	Solutions of the equation AV+BW=VF and their application to eigenstructure assignment in linear systems. IEEE Transactions on Automatic Control, 1993, 38, 276-280.	3.6	204
5	High-order fully actuated system approaches: Part I. Models and basic procedure. International Journal of Systems Science, 2021, 52, 422-435.	3.7	154
6	A new solution to the generalized Sylvester matrix equation. Systems and Control Letters, 2006, 55, 193-198.	1.3	153
7	Gradient based iterative algorithm for solving coupled matrix equations. Systems and Control Letters, 2009, 58, 327-333.	1.3	151
8	Trilateral Teleoperation of Adaptive Fuzzy Force/Motion Control for Nonlinear Teleoperators With Communication Random Delays. IEEE Transactions on Fuzzy Systems, 2013, 21, 610-624.	6.5	148
9	Adaptive block dynamic surface control for integrated missile guidance and autopilot. Chinese Journal of Aeronautics, 2013, 26, 741-750.	2.8	135
10	Weighted least squares solutions to general coupled Sylvester matrix equations. Journal of Computational and Applied Mathematics, 2009, 224, 759-776.	1.1	126
11	Complete parametric approach for eigenstructure assignment in a class of second-order linear systems. Automatica, 2002, 38, 725-729.	3.0	125
12	A parametric periodic Lyapunov equation with application in semi-global stabilization of discrete-time periodic systems subject to actuator saturation. Automatica, 2011, 47, 316-325.	3.0	117
13	Lyapunov Differential Equation Approach to Elliptical Orbital Rendezvous with Constrained Controls. Journal of Guidance, Control, and Dynamics, 2011, 34, 345-358.	1.6	116
14	On the generalized Sylvester mapping and matrix equations. Systems and Control Letters, 2008, 57, 200-208.	1.3	106
15	Stabilization of linear systems with input delay and saturation—A parametric Lyapunov equation approach. International Journal of Robust and Nonlinear Control, 2010, 20, 1502-1519.	2.1	99
16	On the solution to the Sylvester matrix equation AV+BW=EVF. IEEE Transactions on Automatic Control, 1996, 41, 612-614.	3.6	98
17	High-order fully actuated system approaches: Part II. Generalized strict-feedback systems. International Journal of Systems Science, 2021, 52, 437-454.	3.7	98
18	Distributed and Truncated Reduced-Order Observer Based Output Feedback Consensus of Multi-Agent Systems. IEEE Transactions on Automatic Control, 2014, 59, 2264-2270.	3.6	97

#	ARTICLE	IF	CITATIONS
19	High-order fully actuated system approaches: Part III. Robust control and high-order backstepping. International Journal of Systems Science, 2021, 52, 952-971.	3.7	97
20	An explicit solution to the matrix equation AXâˆ'XF=BY. Linear Algebra and Its Applications, 2005, 402, 345-366.	0.4	96
21	A parametric Lyapunov equation approach to low gain feedback design for discrete-time systems. Automatica, 2009, 45, 238-244.	3.0	96
22	High-order fully actuated system approaches: Part IV. Adaptive control and high-order backstepping. International Journal of Systems Science, 2021, 52, 972-989.	3.7	94
23	Eigenstructure assignment and response analysis in descriptor linear systems with state feedback control. International Journal of Control, 1998, 69, 663-694.	1.2	92
24	Robust eigenstructure assignment via dynamical compensators. Automatica, 1993, 29, 469-474.	3.0	90
25	An improved treatment of saturation nonlinearity with its application to control of systems subject to nested saturation. Automatica, 2011, 47, 306-315.	3.0	90
26	Properties of the Parametric Lyapunov Equation-Based Low-Gain Design With Applications in Stabilization of Time-Delay Systems. IEEE Transactions on Automatic Control, 2009, 54, 1698-1704.	3.6	86
27	Robust actuator fault diagnosis scheme for satellite attitude control systems. Journal of the Franklin Institute, 2013, 350, 2560-2580.	1.9	85
28	Global stabilization of switched stochastic nonlinear systems in strict-feedback form under arbitrary switchings. Automatica, 2013, 49, 2571-2575.	3.0	82
29	On the absolute stability approach to quantized feedback control. Automatica, 2010, 46, 337-346.	3.0	81
30	Periodic Lyapunov Equation Based Approaches to the Stabilization of Continuous-Time Periodic Linear Systems. IEEE Transactions on Automatic Control, 2012, 57, 2139-2146.	3.6	79
31	Robust fault detection using Luenberger-type unknown input observers-a parametric approach. International Journal of Systems Science, 2001, 32, 533-540.	3.7	78
32	Stability and stabilization of discrete-time periodic linear systems with actuator saturation. Automatica, 2011, 47, 1813-1820.	3.0	77
33	On Smith-type iterative algorithms for the Stein matrix equation. Applied Mathematics Letters, 2009, 22, 1038-1044.	1.5	75
34	Robust adaptive integrated translation and rotation control of a rigid spacecraft with control saturation and actuator misalignment. Acta Astronautica, 2013, 86, 167-187.	1.7	74
35	High-order fully actuated system approaches: part VII. Controllability, stabilisability and parametric designs. International Journal of Systems Science, 2021, 52, 3091-3114.	3.7	74
36	High-order fully actuated system approaches: Part V. Robust adaptive control. International Journal of Systems Science, 2021, 52, 2129-2143.	3.7	73

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37	A Distributionally Robust Optimization Based Method for Stochastic Model Predictive Control. IEEE Transactions on Automatic Control, 2022, 67, 5762-5776.	3.6	73
38	Solution to the Second-Order Sylvester Matrix Equation<tex>$MVF^2+DVF+KV=BW$</tex>. IEEE Transactions on Automatic Control, 2006, 51, 805-809.	3.6	71
39	Gain Scheduled Control of Linear Systems Subject to Actuator Saturation With Application to Spacecraft Rendezvous. IEEE Transactions on Control Systems Technology, 2014, 22, 2031-2038.	3.2	70
40	Iterative solutions to coupled Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2010, 60, 54-66.	1.4	67
41	High-order fully actuated system approaches: Part VIII. Optimal control with application in spacecraft attitude stabilisation. International Journal of Systems Science, 2022, 53, 54-73.	3.7	66
42	H_{infty} Control of Discrete-Time Systems With Multiple Input Delays. IEEE Transactions on Automatic Control, 2007, 52, 271-283.	3.6	63
43	Finite iterative solutions to coupled Sylvester-conjugate matrix equations. Applied Mathematical Modelling, 2011, 35, 1065-1080.	2.2	60
44	High-order fully-actuated system approaches: Part VI. Disturbance attenuation and decoupling. International Journal of Systems Science, 2021, 52, 2161-2181.	3.7	59
45	High-order fully actuated system approaches: Part X.ÂBasics of discrete-time systems. International Journal of Systems Science, 2022, 53, 810-832.	3.7	58
46	Eigenstructure assignment in descriptor systems via output feedback: A new complete parametric approach. International Journal of Control, 1999, 72, 345-364.	1.2	57
47	New versions of Barbalatâ€™s lemma with applications. Journal of Control Theory and Applications, 2010, 8, 545-547.	0.8	55
48	L_{infty} and L_{2} Low-Gain Feedback: Their Properties, Characterizations and Applications in Constrained Control. IEEE Transactions on Automatic Control, 2011, 56, 1030-1045.	3.6	55
49	On solutions of matrix equations <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>V</mml:mi><mml:mo>â[^]</mml:mo><mml:mi>A</mml:mi><mml:mi>V</mml:mi><mml:mi>F</mml:mi><mml... and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>V</mml:mi><mml:mo>â[^]</mml:mo><mml:mi>A</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>V</m... Mathematical and Computer Modelling, 2008, 47, 1181-1197.	2.0	51
50	Integrated relative position and attitude control of spacecraft in proximity operation missions. International Journal of Automation and Computing, 2012, 9, 342-351.	4.5	51
51	Robust adaptive integrated translation and rotation finite-time control of a rigid spacecraft with actuator misalignment and unknown mass property. International Journal of Systems Science, 2014, 45, 1007-1034.	3.7	51
52	Fault-tolerant attitude tracking control of combined spacecraft with reaction wheels under prescribed performance. ISA Transactions, 2020, 98, 161-172.	3.1	50
53	Adaptive dynamic surface control for integrated missile guidance and autopilot. International Journal of Automation and Computing, 2011, 8, 122-127.	4.5	49
54	High-order fully-actuated system approaches: Part IX. Generalised PID control and model reference tracking. International Journal of Systems Science, 2022, 53, 652-674.	3.7	49

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55	Optimal soft landing control for moon lander. Automatica, 2008, 44, 1097-1103.	3.0	48
56	An Exact Penalty Method for Free Terminal Time Optimal Control Problem with Continuous Inequality Constraints. Journal of Optimization Theory and Applications, 2012, 154, 30-53.	0.8	48
57	Iterative algorithms for solving a class of complex conjugate and transpose matrix equations. Applied Mathematics and Computation, 2011, 217, 8343-8353.	1.4	47
58	Iterative solutions to the extended Sylvester-conjugate matrix equations. Applied Mathematics and Computation, 2010, 217, 130-142.	1.4	45
59	Parametric Pole Assignment and Robust Pole Assignment for Discrete-Time Linear Periodic Systems. SIAM Journal on Control and Optimization, 2010, 48, 3975-3996.	1.1	45
60	Solution to Generalized Sylvester Matrix Equations. IEEE Transactions on Automatic Control, 2008, 53, 811-815.	3.6	44
61	Gradient-based maximal convergence rate iterative method for solving linear matrix equations. International Journal of Computer Mathematics, 2010, 87, 515-527.	1.0	44
62	Robust H_∞ control for a class of uncertain mechanical systems. International Journal of Control, 2010, 83, 1303-1324.	1.2	44
63	Functional interval observer for the linear systems with disturbances. IET Control Theory and Applications, 2018, 12, 2562-2568.	1.2	44
64	Robust magnetic bearing control via eigenstructure assignment dynamical compensation. IEEE Transactions on Control Systems Technology, 2003, 11, 204-215.	3.2	43
65	Global Stabilization of the Double Integrator System With Saturation and Delay in the Input. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 1371-1383.	3.5	43
66	Robust control of spacecraft rendezvous on elliptical orbit. Journal of the Franklin Institute, 2012, 349, 2515-2529.	1.9	43
67	On solutions of the matrix equations $XF - AX=C$ and. Applied Mathematics and Computation, 2006, 183, 932-941.	1.4	41
68	Detectability and observability of discrete-time stochastic systems and their applications. Automatica, 2009, 45, 1340-1346.	3.0	41
69	Robust fault detection using Luenberger-type unknown input observers-a parametric approach. , 0, .		41
70	Anti-unwinding sliding mode attitude control via two modified Rodrigues parameter sets for spacecraft. Automatica, 2021, 129, 109642.	3.0	40
71	Kronecker Maps and Sylvester-Polynomial Matrix Equations. IEEE Transactions on Automatic Control, 2007, 52, 905-910.	3.6	39
72	On Analytical Approximation of the Maximal Invariant Ellipsoids for Linear Systems With Bounded Controls. IEEE Transactions on Automatic Control, 2009, 54, 346-353.	3.6	39

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73	Robust global stabilization of linear systems with input saturation via gain scheduling. International Journal of Robust and Nonlinear Control, 2010, 20, 424-447.	2.1	38
74	Robust adaptive dynamic surface control of uncertain non‐linear systems with output constraints. IET Control Theory and Applications, 2017, 11, 110-121.	1.2	35
75	Barrier Lyapunov function-based integrated guidance and control with input saturation and state constraints. Aerospace Science and Technology, 2019, 84, 845-855.	2.5	35
76	Regularizability Of Linear Descriptor Systems Via Output Plus Partial State Derivative Feedback. Asian Journal of Control, 2003, 5, 334-340.	1.9	34
77	Solutions to a family of matrix equations by using the Kronecker matrix polynomials. Applied Mathematics and Computation, 2009, 212, 327-336.	1.4	34
78	Robust gain scheduled control of spacecraft rendezvous system subject to input saturation. Aerospace Science and Technology, 2015, 42, 442-450.	2.5	34
79	Robust Adaptive Fault Estimation for a Class of Nonlinear Systems Subject to Multiplicative Faults. Circuits, Systems, and Signal Processing, 2012, 31, 2035-2046.	1.2	33
80	Adaptive Dynamic Surface Control for Integrated Missile Guidance and Autopilot in the Presence of Input Saturation. Journal of Aerospace Engineering, 2015, 28, .	0.8	33
81	L_∞ and L_2 semi-global stabilisation of continuous-time periodic linear systems with bounded controls. International Journal of Control, 2013, 86, 709-720.	1.2	31
82	Global robust finite‐time stabilisation of unknown pure‐feedback systems with input dead‐zone non‐linearity. IET Control Theory and Applications, 2016, 10, 234-243.	1.2	31
83	Design of Generalized PI Observers for Descriptor Linear Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 2828-2837.	0.1	30
84	Robust H $_\infty$ filter design for 2D discrete systems in Roesser model. International Journal of Automation and Computing, 2008, 5, 413-418.	4.5	30
85	ESA in high‐order linear systems via output feedback. Asian Journal of Control, 2009, 11, 336-343.	1.9	30
86	Approximation and Monotonicity of the Maximal Invariant Ellipsoid for Discrete-Time Systems by Bounded Controls. IEEE Transactions on Automatic Control, 2010, 55, 440-446.	3.6	29
87	Robust adaptive dynamic surface control of uncertain nonlinear systems. International Journal of Control, Automation and Systems, 2011, 9, 161-168.	1.6	29
88	New Iterative Algorithms for Solving Coupled Markovian Jump Lyapunov Equations. IEEE Transactions on Automatic Control, 2015, 60, 289-294.	3.6	29
89	Finite iterative solutions to a class of complex matrix equations with conjugate and transpose of the unknowns. Mathematical and Computer Modelling, 2010, 52, 1463-1478.	2.0	28
90	Closed-form solutions to Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2010, 60, 95-111.	1.4	28

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91	Post-capture attitude control with prescribed performance. Aerospace Science and Technology, 2020, 96, 105572.	2.5	28
92	Two parametric approaches for eigenstructure assignment in second-order linear systems. Journal of Control Theory and Applications, 2003, 1, 59-64.	0.8	27
93	Stabilisation of time-varying linear systems via Lyapunov differential equations. International Journal of Control, 2013, 86, 332-347.	1.2	27
94	Closed-form solutions to the nonhomogeneous Yakubovich-conjugate matrix equation. Applied Mathematics and Computation, 2009, 214, 442-450.	1.4	26
95	Full delayed state feedback pole assignment of discrete‐time time‐delay systems. Optimal Control Applications and Methods, 2010, 31, 155-169.	1.3	24
96	Output feedback gain scheduled control of actuator saturated linear systems with applications to the spacecraft rendezvous. Journal of the Franklin Institute, 2014, 351, 5015-5033.	1.9	24
97	Event-Triggered and Self-Triggered Control of Discrete-Time Systems With Input Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1948-1957.	5.9	24
98	Robust Pole Assignment in Descriptor Linear Systems via State Feedback. European Journal of Control, 2002, 8, 136-149.	1.6	23
99	Output-feedback super-twisting control for line-of-sight angles tracking of non-cooperative target spacecraft. ISA Transactions, 2019, 94, 17-27.	3.1	23
100	Integrated translational and rotational control for the terminal landing phase of a lunar module. Aerospace Science and Technology, 2013, 27, 112-126.	2.5	22
101	Implicit Iterative Algorithms for Continuous Markovian Jump Lyapunov Equations. IEEE Transactions on Automatic Control, 2016, 61, 3183-3189.	3.6	22
102	Generalized PID Observer Design for Descriptor Linear Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1390-1395.	5.5	21
103	Global finite time stabilization of pure-feedback systems with input dead-zone nonlinearity. Journal of the Franklin Institute, 2017, 354, 4073-4101.	1.9	21
104	Adaptive finite‐time tracking control of 6DOF spacecraft motion with inertia parameter identification. IET Control Theory and Applications, 2019, 13, 2075-2085.	1.2	21
105	Distributed Fixed-time Attitude Synchronization Control for Multiple Rigid Spacecraft. International Journal of Control, Automation and Systems, 2019, 17, 1117-1130.	1.6	21
106	Finite-Time Concurrent Learning Adaptive Control for Spacecraft with Inertia Parameter Identification. Journal of Guidance, Control, and Dynamics, 2020, 43, 574-584.	1.6	21
107	Constrained Feedback Control for Spacecraft Reorientation With an Optimal Gain. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3916-3926.	2.6	21
108	On unified concepts of detectability and observability for continuous-time stochastic systems. Applied Mathematics and Computation, 2010, 217, 521-536.	1.4	20

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109	Stabilization of a Class of Linear Systems With Input Delay and the Zero Distribution of Their Characteristic Equations. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 388-401.	3.5	20
110	An improved adaptive dynamic surface control approach for uncertain nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2018, 32, 713-728.	2.3	20
111	Leader-following fixed-time output feedback consensus for second-order multi-agent systems with input saturation. International Journal of Systems Science, 2018, 49, 2873-2887.	3.7	20
112	Distributed fixed-time consensus tracking for high-order uncertain non-linear multi-agent systems with switching topologies. IET Control Theory and Applications, 2019, 13, 1761-1772.	1.2	20
113	A Parametric Method of Linear Functional Observers for Linear Time-varying Systems. International Journal of Control, Automation and Systems, 2019, 17, 647-656.	1.6	20
114	On delay-independent stability criteria for linear time-delay systems. International Journal of Automation and Computing, 2007, 4, 95-100.	4.5	19
115	Proportional multiple-integral observer design for discrete-time descriptor linear systems. International Journal of Systems Science, 2012, 43, 1492-1503.	3.7	19
116	Robust adaptive control for a class of semi-strict feedback systems with state and input constraints. International Journal of Robust and Nonlinear Control, 2018, 28, 3189-3211.	2.1	18
117	Parametric control to a type of quasi-linear second-order systems via output feedback. International Journal of Control, 2019, 92, 291-302.	1.2	18
118	Robust fault detection in linear systems based on PI observers. International Journal of Systems Science, 2006, 37, 809-816.	3.7	17
119	Robust output feedback control for a class of nonlinear systems with input unmodeled dynamics. International Journal of Automation and Computing, 2008, 5, 307-312.	4.5	17
120	Adaptive sliding-mode control for spacecraft relative position tracking with maneuvering target. International Journal of Robust and Nonlinear Control, 2018, 28, 5786-5810.	2.1	17
121	Adaptive sliding mode control of uncertain nonlinear systems with preassigned settling time and its applications. International Journal of Robust and Nonlinear Control, 2019, 29, 6438-6462.	2.1	17
122	Concurrent Learning Adaptive Finite-Time Control for Spacecraft With Inertia Parameter Identification Under External Disturbance. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3691-3704.	2.6	17
123	Parametric control systems design with applications in missile control. Science in China Series F: Information Sciences, 2009, 52, 2190-2200.	1.1	16
124	On Eigenvalue Sets and Convergence Rate of Itô Stochastic Systems With Markovian Switching. IEEE Transactions on Automatic Control, 2011, 56, 1118-1124.	3.6	16
125	Output feedback elliptical orbital rendezvous via state-dependent Riccati differential equations. IET Control Theory and Applications, 2013, 7, 1429-1436.	1.2	16
126	Fully Actuated System Approach for 6DOF Spacecraft Control Based on Extended State Observer. Journal of Systems Science and Complexity, 2022, 35, 604-622.	1.6	16

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127	Aerodynamic Coefficients Models of Hypersonic Vehicle Based on Aero Database. , 2010, , .		15
128	Adaptive control of uncertain pure-feedback nonlinear systems. International Journal of Systems Science, 2017, 48, 2137-2145.	3.7	15
129	Finite–time control for LPV systems with parameter–varying time delays and exogenous disturbances. International Journal of Robust and Nonlinear Control, 2017, 27, 3841-3861.	2.1	15
130	Brockett's First Example: An FAS Approach Treatment. Journal of Systems Science and Complexity, 2022, 35, 441-456.	1.6	15
131	Robust H-infinity fault-tolerant control for uncertain descriptor systems by dynamical compensators. Journal of Control Theory and Applications, 2004, 2, 288-292.	0.8	14
132	Finite iterative algorithms for the generalized Sylvester-conjugate matrix equation $${AX+BY=E\overline{X}F+S}$$. Computing (Vienna/New York), 2010, 89, 147-170.	3.2	14
133	ESA in high-order descriptor linear systems via output feedback. International Journal of Control, Automation and Systems, 2010, 8, 408-417.	1.6	14
134	Output Feedback Stabilization of Switched Stochastic Nonlinear Systems Under Arbitrary Switchings. International Journal of Automation and Computing, 2013, 10, 571-577.	4.5	14
135	Integrated guidance and control with input saturation and disturbance observer. Journal of Control and Decision, 2018, 5, 277-299.	0.7	14
136	Parametric control to a type of quasi-linear high-order systems via output feedback. European Journal of Control, 2019, 47, 44-52.	1.6	14
137	Fully Actuated System Approach for Linear Systems Control: A Frequency-Domain Solution. Journal of Systems Science and Complexity, 2022, 35, 2046-2061.	1.6	14
138	Stabilization via Fully Actuated System Approach: A Case Study. Journal of Systems Science and Complexity, 2022, 35, 731-747.	1.6	14
139	Adaptive dynamic surface asymptotic tracking control of uncertain strict–feedback systems with guaranteed transient performance and accurate parameter estimation. International Journal of Robust and Nonlinear Control, 2022, 32, 6829-6848.	2.1	14
140	Robust model-reference control for descriptor linear systems subject to parameter uncertainties. Journal of Control Theory and Applications, 2007, 5, 213-220.	0.8	13
141	Improved Robust H-Infinity Estimation for Uncertain Continuous-Time Systems. Journal of Systems Science and Complexity, 2007, 20, 362-369.	1.6	13
142	Eigenstructure assignment for linear parameter-varying systems with applications. Mathematical and Computer Modelling, 2011, 53, 861-870.	2.0	13
143	Finite iterative algorithm for solving coupled Lyapunov equations appearing in continuous-time Markov jump linear systems. International Journal of Systems Science, 2013, 44, 2082-2093.	3.7	13
144	Pole assignment of high-order linear systems with high-order time-derivatives in the input. Journal of the Franklin Institute, 2020, 357, 1437-1456.	1.9	13

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145	Event‐triggered and self‐triggered gain scheduling control of input constrained systems with applications to the spacecraft rendezvous. International Journal of Robust and Nonlinear Control, 2021, 31, 4629-4646.	2.1	13
146	Time domain solution to descriptor variable systems. IEEE Transactions on Automatic Control, 2005, 50, 1796-1799.	3.6	12
147	Parametric control of quasi-linear systems by output feedback. , 2014, , .		12
148	An optimal control approach to spacecraft rendezvous on elliptical orbit. Optimal Control Applications and Methods, 2015, 36, 158-178.	1.3	12
149	Manipulator-actuated Adaptive Integrated Translational and Rotational Stabilization for Spacecraft in Proximity Operations with Control Constraint. International Journal of Control, Automation and Systems, 2018, 16, 2103-2113.	1.6	12
150	Hâˆž finite-time control for LPV systems with parameter-varying time delays and external disturbance via observer-based state feedback. Journal of the Franklin Institute, 2019, 356, 6303-6327.	1.9	12
151	Parametric Control to a Type of Descriptor Quasi-Linear Systems via Output Feedback. IEEE Access, 2019, 7, 39911-39922.	2.6	12
152	Prescribed‐time stabilization of p‐normal nonlinear systems by bounded time‐varying feedback. International Journal of Robust and Nonlinear Control, 2022, 32, 421-450.	2.1	12
153	Linear Quadratic Regulation for Linear Time-varying Systems with Multiple Input Delays Part I: Discrete-time Case. , 0, , .		11
154	Right Coprime Factorizations for Single‐Input Descriptor Linear Systems: A Simple Numerically Stable Algorithm. Asian Journal of Control, 2002, 4, 146-158.	1.9	11
155	Consensus seeking in multiagent cooperative control systems with bounded control input. Journal of Control Theory and Applications, 2011, 9, 210-214.	0.8	11
156	Proportional multiple‐integral observer design for continuous‐time descriptor linear systems. Asian Journal of Control, 2012, 14, 476-488.	1.9	11
157	Parametric control of quasi-linear systems via state feedback. , 2014, , .		11
158	Adaptive Jacobian force/position tracking for space free-flying robots with prescribed transient performance. Robotics and Autonomous Systems, 2015, 72, 235-247.	3.0	11
159	Practical Prescribed-Time Sampled-Data Control of Linear Systems With Applications to the Air-Bearing Testbed. IEEE Transactions on Industrial Electronics, 2022, 69, 6152-6161.	5.2	11
160	Eigenstructure assignment in a class of second-order dynamic systems. Journal of Control Theory and Applications, 2006, 4, 302-308.	0.8	10
161	Parametric Approach for the Normal Luenberger Function Observer Design in Second-order Linear Systems. , 2006, , .		10
162	Generalized regularity and regularizability of rectangular descriptor systems. Journal of Control Theory and Applications, 2007, 5, 159-163.	0.8	10

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163	Parametric approach for the normal Luenberger function observer design in second-order descriptor linear systems. International Journal of Automation and Computing, 2008, 5, 125-131.	4.5	10
164	Robust model following control for a class of second-order dynamical systems subject to parameter uncertainties. Transactions of the Institute of Measurement and Control, 2008, 30, 115-142.	1.1	10
165	Unified parametrization for the solutions to the polynomial diophantine matrix equation and the generalized Sylvester matrix equation. International Journal of Control, Automation and Systems, 2010, 8, 29-35.	1.6	10
166	On Semiglobal Stabilization of Discrete-Time Periodic Systems With Bounded Controls. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 452-456.	2.2	10
167	Circulation algorithm for partial eigenstructure assignment via state feedback. European Journal of Control, 2019, 50, 107-116.	1.6	10
168	Observer-based multi-objective parametric design for spacecraft with super flexible netted antennas. Science China Information Sciences, 2020, 63, 1.	2.7	10
169	Fault-Tolerant Quantized Sliding Mode Observers Design for a Class of Takagi-Sugeno Fuzzy System With Unmeasurable Premise Variable. IEEE Transactions on Fuzzy Systems, 2022, 30, 2312-2324.	6.5	10
170	Adaptive fuzzy backstepping control for attitude stabilization of flexible spacecraft with signal quantization and actuator faults. Science China Information Sciences, 2021, 64, 1.	2.7	10
171	Robust pole assignment via P-D feedback in a class of second-order dynamic systems. , 0, , .		9
172	Enhanced LMI representations for H2 performance of polytopic uncertain systems: Continuous-time case. International Journal of Automation and Computing, 2006, 3, 304-308.	4.5	9
173	An explicit solution to polynomial matrix right coprime factorization with application in eigenstructure assignment. Journal of Control Theory and Applications, 2006, 4, 147-154.	0.8	9
174	ROBUST EIGENVALUE ASSIGNMENT IN DESCRIPTOR SYSTEMS VIA OUTPUT FEEDBACK. Asian Journal of Control, 2004, 6, 145-154.	1.9	9
175	Robust H-infinity estimation for linear time-delay systems: An improved LMI approach. International Journal of Control, Automation and Systems, 2009, 7, 668-673.	1.6	9
176	Path-Following Control of Wheeled Planetary Exploration Robots Moving on Deformable Rough Terrain. Scientific World Journal, The, 2014, 2014, 1-13.	0.8	9
177	Satellite attitude control&#x2014;A direct parametric approach. , 2014, , .		9
178	Integrated guidance and control with partial state constraints and actuator faults. Journal of the Franklin Institute, 2019, 356, 4785-4810.	1.9	9
179	Robust Control Allocation in Attitude Fault-Tolerant Control for Combined Spacecraft Under Measurement Uncertainty. IEEE Access, 2019, 7, 156191-156206.	2.6	9
180	Parametric control to linear timeâ€varying systems based on dynamic compensator and multiâ€objective optimization. Asian Journal of Control, 2020, 22, 2395-2411.	1.9	9

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