Gang Tao

List of Publications by Year in descending order

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292	7,192	101543	98798
papers	citations	36 h-index	67 g-index

296	296	296	3180
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Traffic Signal Control With Adaptive Online-Learning Scheme Using Multiple-Model Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7838-7850.	11.3	5
2	Adaptive Actuator Failure Compensation Control Schemes for Uncertain Noncanonical Neural-Network Systems. IEEE Transactions on Cybernetics, 2022, 52, 2635-2648.	9.5	3
3	Optimizing Signal Timing Control for Large Urban Traffic Networks Using an Adaptive Linear Quadratic Regulator Control Strategy. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 333-343.	8.0	31
4	Adaptive Control of Robot Manipulators in Varying Environments. , 2022, , .		3
5	Adaptive Compensation of Persistent Actuator Failures Using Control-Separation-Based LQ Design. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5030-5045.	9.3	7
6	An Implicit Function-Based Adaptive Control Scheme for Noncanonical-Form Discrete-Time Neural-Network Systems. IEEE Transactions on Cybernetics, 2021, 51, 5728-5739.	9.5	2
7	Adaptive Control Design and Evaluation for Multibody High-Speed Train Dynamic Models. IEEE Transactions on Control Systems Technology, 2021, 29, 1061-1074.	5.2	20
8	Adaptive Regulation of Discrete-Time Nonaffine Systems With Parametric Uncertainty. IEEE Transactions on Automatic Control, 2021, 66, 2365-2371.	5.7	4
9	Adaptive Compensation for Actuation Sign Faults of Flexible Spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1288-1300.	4.7	12
10	Adaptive compensation of persistent actuator failures of nonlinear systems. International Journal of Adaptive Control and Signal Processing, 2021, 35, 373-400.	4.1	3
11	Zero dynamics analysis and adaptive tracking control of underactuated multibody systems with flexible links. International Journal of Control, 2021, 94, 1931-1943.	1.9	1
12	Control separation based fault accommodation for flexible hypersonic vehicles. International Journal of Systems Science, 2021, 52, 2020-2033.	5.5	1
13	System Characterization and Adaptive Tracking Control of Quadrotors under Multiple Operating Conditions. Research on World Agricultural Economy, 2021, 01, 2150006.	1.3	3
14	Adaptive actuator failure compensation for cooperative robotic manipulators with parameter uncertainties. International Journal of Adaptive Control and Signal Processing, 2021, 35, 1916-1940.	4.1	8
15	Partial-state feedback multivariable MRAC and reduced-order designs. Automatica, 2021, 129, 109622.	5.0	10
16	Co-Optimization Scheme for the Powertrain and Exhaust Emission Control System of Hybrid Electric Vehicles Using Future Speed Prediction. IEEE Transactions on Intelligent Vehicles, 2021, 6, 533-545.	12.7	13
17	Adaptive LQ Control Using Reduced Hamiltonian for Continuous-Time Systems with Unmatched Input Disturbances. SIAM Journal on Control and Optimization, 2021, 59, 3625-3660.	2.1	1
18	Relative Degrees and Implicit Function-Based Control of Discrete-Time Noncanonical Form Neural Network Systems. IEEE Transactions on Cybernetics, 2020, 50, 514-524.	9.5	1

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19	A Partial-State Feedback Model Reference Adaptive Control Scheme. IEEE Transactions on Automatic Control, 2020, 65, 44-57.	5.7	19
20	Fault-tolerant control of flexible air-breathing hypersonic vehicles in linear ODE-beam systems. International Journal of Control, 2020, 93, 820-831.	1.9	13
21	Adaptive Control of Noncanonical Neural-Network Nonlinear Systems With Unknown Input Dead-Zone Characteristics. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3346-3360.	11.3	19
22	Higher-order tracking properties of nonlinear adaptive control systems. Systems and Control Letters, 2020, 145, 104781.	2.3	3
23	Practical output tracking control for nonlinearly parameterized longitudinal dynamics of air vehicles. Journal of the Franklin Institute, 2020, 357, 12380-12413.	3.4	3
24	A Sliding Mode Fault Compensation Scheme for a Coupled Rigid-Flexible System in PDE-ODE Form. Journal of the Franklin Institute, 2020, 357, 9174-9194.	3.4	11
25	Robust adaptive control of nonlinearly parametrized multivariable systems with unmatched disturbances. International Journal of Robust and Nonlinear Control, 2020, 30, 3582-3606.	3.7	12
26	Adaptive Sensor Fault Detection for Rail Vehicle Suspension Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 7552-7565.	6.3	9
27	Multivariable adaptive control based consensus flight control system for UAVs formation. Aerospace Science and Technology, 2019, 93, 105336.	4.8	47
28	A multivariable adaptive control scheme for automatic carrier landing of UAV. Aerospace Science and Technology, 2019, 92, 714-721.	4.8	39
29	Fuzzy System Identification and Adaptive Control. Communications and Control Engineering, 2019, , .	1.6	12
30	A matrix decomposition based adaptive control scheme for a class of MIMO non-canonical approximation systems. Automatica, 2019, 103, 490-502.	5.0	16
31	Adaptive Control Techniques for Three-Phase Grid-Connected Photovoltaic Inverters. Power Systems, 2019, , 1-24.	0.5	1
32	Backstepping based Sliding Mode Fault-Tolerant Control of a Class of Euler-Bernoulli Beam Systems. , 2019, , .		0
33	A backstepping-based fault compensation scheme for a class of Eulerâ€“Bernoulli beam-ODE cascade systems. International Journal of Control, 2019, , 1-13.	1.9	2
34	New Higher-Order Convergence Properties for Multivariable Model Reference Adaptive Control Systems. , 2019, , .		3
35	Adaptive Actuator Dead-Zone Compensation Control For Uncertain Noncanonical Fuzzy-Approximation Nonlinear Systems. , 2019, , .		1
36	An Adaptive Compensation Scheme for Angular Velocity Control of Spacecraft Under Finite Sequential Actuator Faults. , 2019, , .		0

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37	Adaptive stateâ€feedback control with sensor failure compensation for asymptotic output tracking. International Journal of Adaptive Control and Signal Processing, 2019, 33, 130-156.	4.1	9
38	Adaptive Actuator Failure Compensation for Possibly Nonminimum-Phase Systems Using Control Separation Based LQ Design. IEEE Transactions on Automatic Control, 2019, 64, 143-158.	5.7	30
39	Adaptive Tâ€“S Fuzzy Control Using Output Feedback: MIMO Case. Communications and Control Engineering, 2019, , 197-221.	1.6	0
40	Adaptive Tâ€“S Fuzzy Control Using Output Feedback: SISO Cases. Communications and Control Engineering, 2019, , 163-195.	1.6	0
41	Higher Order Tracking Properties of Model Reference Adaptive Control Systems. IEEE Transactions on Automatic Control, 2018, 63, 3912-3918.	5.7	20
42	Nonlinear fuzzy fault-tolerant control of hypersonic flight vehicle with parametric uncertainty and actuator fault. Nonlinear Dynamics, 2018, 92, 1299-1315.	5.2	39
43	An Adaptive Actuator Failure Compensation Scheme for a Hexarotor System. , 2018, , .		1
44	MIMO Evolution Model-Based Coupled Fault Estimation and Adaptive Control With High-Speed Train Applications. IEEE Transactions on Control Systems Technology, 2018, 26, 1552-1566.	5.2	15
45	Adaptive Control of Noncanonical Nonlinear Systems with Unknown Input Dead-Zone Characteristics. , 2018, , .		2
46	An Output Feedback MRAC Scheme for Three-phase Grid-Connected Inverters in Photovoltaic Power Generation Systems. , 2018, , .		1
47	A Multiple-Model MRAC Scheme for Discrete-Time Multivariable Systems with Uncertain Actuation Delays. , 2018, , .		2
48	Fault-tolerant control of flexible air-breathing hypersonic vehicles via static output feedback. IFAC-PapersOnLine, 2018, 51, 614-619.	0.9	4
49	A Unified Discrete-Time Model Reference Adaptive Control Scheme. , 2018, , .		3
50	Fault-Tolerant Control for Euler-Bernoulli Beam Systems by Using Backstepping Approach. , 2018, , .		0
51	Adaptive leaderâ€following state consensus of multiagent systems with switching topology. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1508-1528.	4.1	16
52	An Adaptive Actuator Failure Compensation Scheme for A Hexarotor System with Parameter Uncertainties. , 2018, , .		2
53	An Adaptive Switching Based Actuator Failure Compensation Scheme for Control of High-Speed Trains. , 2018, , .		0
54	Robust Adaptive Control for Possibly Nonminimum-Phase Systems with Persistent Actuator Failures. , 2018, , .		0

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55	Adaptive rejection of unmatched input disturbances for output tracking using a control separation LQ method. Optimal Control Applications and Methods, 2018, 39, 1766-1785.	2.1	2
56	An Adaptive Consensus Control Scheme for Multi-Agent Systems with Persistent Switching Topology. , 2018, , .		1
57	Minimum-Order Observer-Based Multivariable MRAC Systems. , 2018, , .		0
58	Adaptive Regulation of Hypersonic Vehicle Systems with Partial Nonlinear Parametrization. , 2018, , .		2
59	An Adaptive Control Scheme for Three-phase Grid-Connected Inverters in Photovoltaic Power Generation Systems. , 2018, , .		3
60	Parameterization and Adaptive Control of Multivariable Noncanonical T--S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 156-171.	9.8	14
61	Adaptive Compensation of Traction System Actuator Failures for High-Speed Trains. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2950-2963.	8.0	49
62	A direct MRAC based multivariable multiple-model switching control scheme. Automatica, 2017, 84, 190-198.	5.0	14
63	A model reference adaptive control scheme with partial-state feedback for output tracking. , 2017, , .		3
64	An adaptive control scheme for leader-following consensus of multi-agent systems with parametric uncertainties. , 2017, , .		3
65	A dynamic prediction error based adaptive multiple-model control scheme for robotic manipulators. , 2017, , .		2
66	A multiple-model adaptive control scheme for multivariable systems with uncertain actuation signs. , 2017, , .		3
67	Adaptive position tracking control of high-speed trains with piecewise dynamics. , 2017, , .		1
68	Adaptive Position Tracking Compensation for High-Speed Trains with Actuator Failures * *This work was supported in part by the National Natural Science Foundation of China under Grant 61490703, Grant 61573180 and Grant 61374130.. IFAC-PapersOnLine, 2017, 50, 14266-14271.	0.9	1
69	Feedback stabilization of nonlinear systems with unknown control directions and time-delay. , 2017, , .		0
70	An adaptive state feedback control scheme with sensor failure compensation. , 2017, , .		2
71	An adaptive actuator failure compensation scheme for landing of a helicopter with robotic legs. , 2017, , .		1
72	Control separation based LQ disturbance rejection for output tracking. , 2017, , .		0

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73	Multivariable MRAC for a quadrotor UAV with a non-diagonal interactor matrix. , 2017, , .		6
74	Multiple-model switching control based adaptive failure compensation for hypersonic vehicles. , 2017, , .		1
75	LQ control based actuator failure compensation. Optimal Control Applications and Methods, 2016, 37, 227-247.	2.1	8
76	Multivariable adaptive output rejection of unmatched input disturbances. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1203-1227.	4.1	14
77	Tracking control of underactuated ships with uncertain actuator failures using switching control. , 2016, , .		0
78	An adaptive actuator failure compensation scheme for a parallel manipulator with parameter uncertainties. , 2016, , .		2
79	Adaptive control of uncertain nonlinear aircraft systems using combined linearized models. , 2016, , .		2
80	A novel nonlinear resilient control for a quadrotor UAV via backstepping control and nonlinear disturbance observer. Nonlinear Dynamics, 2016, 85, 1281-1295.	5.2	171
81	A multiple-model MRAC scheme for multivariable systems with matching uncertainties. Information Sciences, 2016, 360, 217-230.	6.9	8
82	Adaptive LQ control based actuator failure compensation. , 2016, , .		4
83	Multivariable output feedback MRAC for a quadrotor UAV. , 2016, , .		17
84	Normal form and adaptive control of mimo non-canonical neural network systems. , 2016, , .		0
85	Fault diagnosis for a class of active suspension systems with dynamic actuatorsâ€™ faults. International Journal of Control, Automation and Systems, 2016, 14, 1160-1172.	2.7	18
86	Actuator Fault Estimation and Reconfiguration Control for the Quad-Rotor Helicopter. International Journal of Advanced Robotic Systems, 2016, 13, 33.	2.1	9
87	Adaptive turbulence compensation for aircraft flight control. , 2016, , .		0
88	An adaptive actuator failure compensation scheme for a cooperative manipulator system. Robotica, 2016, 34, 1529-1552.	1.9	7
89	Adaptive actuator failure compensation for multivariable feedback linearizable systems. International Journal of Robust and Nonlinear Control, 2016, 26, 252-285.	3.7	19
90	Direct Adaptive Control Scheme for a Quadrotor Helicopter with Actuator Failures via Quantum Logic. Journal of Aerospace Engineering, 2016, 29, 04016026.	1.4	5

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91	Robust Stability of Switched Nonlinear Systems With Switching Uncertainties. IEEE Transactions on Automatic Control, 2016, 61, 2531-2537.	5.7	55
92	Adaptive Neural Network Based Control of Noncanonical Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1864-1877.	11.3	37
93	Adaptive Fault-Tolerant Control of Uncertain Nonlinear Large-Scale Systems With Unknown Dead Zone. IEEE Transactions on Cybernetics, 2016, 46, 1851-1862.	9.5	292
94	An adaptive disturbance rejection control scheme for multivariable nonlinear systems. International Journal of Control, 2016, 89, 594-610.	1.9	21
95	Direct self-repairing control for a helicopter via quantum multi-model and disturbance observer. International Journal of Systems Science, 2016, 47, 533-543.	5.5	11
96	A discreteâ€time indirect adaptive multipleâ€model actuator failure compensation scheme. International Journal of Adaptive Control and Signal Processing, 2015, 29, 685-704.	4.1	7
97	Integral Sliding Mode Control for Helicopter via Disturbance Observer and Quantum Information Technique. Mathematical Problems in Engineering, 2015, 2015, 1-7.	1.1	3
98	Relative Degrees and Adaptive Feedback Linearization Control of Tâ€“S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2015, 23, 2215-2230.	9.8	42
99	An LQ control based actuator failure compensation scheme for possibly nonminimum phase systems. , 2015, , .		0
100	An adaptive multivariable disturbance rejection algorithm for helicopter turbulence compensation control. , 2015, , .		0
101	Multivariable adaptive output tracking control of T-S fuzzy systems. , 2015, , .		1
102	An adaptive actuator failure compensation scheme for a cooperative manipulator system with parameter uncertainties. , 2015, , .		6
103	An adaptive actuator failure compensation scheme for spacecraft with momentum wheels. , 2015, , .		1
104	An adaptive actuator failure compensation scheme for a hexapod system. , 2015, , .		1
105	Trajectory tracking of a quadrotor with unknown parameters and its fault-tolerant control via sliding mode fault observer. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 279-292.	1.0	27
106	Aircraft Turbulence Compensation Using Adaptive Multivariable Disturbance Rejection Techniques. Journal of Guidance, Control, and Dynamics, 2015, 38, 954-963.	2.8	25
107	Uncertainty decomposition-based fault-tolerant adaptive control of flexible spacecraft. IEEE Transactions on Aerospace and Electronic Systems, 2015, 51, 1053-1068.	4.7	63
108	Multivariable adaptive LQ control of jet engines. , 2015, , .		2

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109	An adaptive output tracking control scheme for T-S fuzzy systems. , 2015, , .		1
110	Robust Adaptive Fault-Tolerant Control for Hypersonic Flight Vehicles with Multiple Faults. Journal of Aerospace Engineering, 2015, 28, 04014111.	1.4	15
111	Relative degrees and output tracking control of T-S fuzzy systems. , 2014, , .		2
112	Adaptive failure identification for near space vehicles under closed-loop control. , 2014, , .		0
113	Stabilization of an underactuated rigid body with unknown parameters using adaptive switching control. , 2014, , .		0
114	Aircraft flight system models under turbulence conditions. , 2014, , .		3
115	A robust adaptive actuator failure compensation scheme for spacecraft with unmodeled dynamics. , 2014, , .		0
116	Adaptive actuator failure compensation for multivariable feedback linearizable systems. , 2014, , .		0
117	Adaptive control of MIMO time-varying systems with indicator function based parametrization. Automatica, 2014, 50, 1369-1380.	5.0	15
118	An adaptive control scheme using multiple reference models. International Journal of Adaptive Control and Signal Processing, 2014, 28, 1290-1298.	4.1	11
119	A multivariable adaptive controller for a quadrotor with guaranteed matching conditions. Systems Science and Control Engineering, 2014, 2, 24-33.	3.1	22
120	Multiple modelâ€“based fault detection and diagnosis for helicopter with actuator faults via quantum information technique. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 182-190.	1.0	4
121	Adaptive actuator failure compensation and disturbance rejection scheme for spacecraft. Journal of Systems Engineering and Electronics, 2014, 25, 648-659.	2.2	2
122	Multivariable adaptive control: A survey. Automatica, 2014, 50, 2737-2764.	5.0	224
123	Adaptive actuator failure compensation for microsatelltes using uncertainty decomposition. , 2014, , .		2
124	Direct adaptive actuator failure compensation control: a tutorial. Journal of Control and Decision, 2014, 1, 75-101.	1.6	81
125	An adaptive actuator failure compensation scheme for a cooperative manipulator system. , 2014, , .		8
126	A direct adaptive actuator failure compensation scheme for satellite attitude control systems. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2014, 228, 542-556.	1.3	22

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127	Actuator failure compensation and attitude control for rigid satellite by adaptive control using quaternion feedback. Journal of the Franklin Institute, 2014, 351, 296-314.	3.4	63
128	A Reconfiguration Control Scheme for a Quadrotor Helicopter via Combined Multiple Models. International Journal of Advanced Robotic Systems, 2014, 11, 122.	2.1	4
129	Multiple-model control for spacecraft under actuation sign errors. , 2014, , .		1
130	Adaptive control of discrete-time state-space Tâ€“S fuzzy systems with general relative degree. Fuzzy Sets and Systems, 2013, 217, 22-40.	2.7	30
131	Improved adaptive genetic algorithm for grid resource scheduling via quantum control techniques. , 2013, , .		2
132	A Lyapunov method based multiple-model adaptive actuator failure compensation scheme for control of near-space vehicles. , 2013, , .		5
133	Adaptive state feedback actuator nonlinearity compensation for multivariable systems. International Journal of Adaptive Control and Signal Processing, 2013, 27, 82-107.	4.1	10
134	An adaptive actuator failure compensation scheme for a class of nonlinear MIMO systems. Journal of the Franklin Institute, 2013, 350, 2423-2441.	3.4	27
135	A discrete-time parameter estimation based adaptive actuator failure compensation control scheme. International Journal of Control, 2013, 86, 276-289.	1.9	26
136	Adaptive Control of Piecewise Linear Systems with State Feedback for Output Tracking. Asian Journal of Control, 2013, 15, 933-943.	3.0	12
137	Adaptive backstepping control for a hypersonic vehicle with uncertain parameters and actuator faults. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2013, 227, 51-61.	1.0	37
138	Adaptive output feedback actuator nonlinearity compensation for multivariable systems. , 2013, , .		1
139	Adaptive control of discrete-time T-S fuzzy systems with multiple input-output delays. , 2012, , .		0
140	Adaptive control of piecewise linear systems with output feedback for output tracking. , 2012, , .		7
141	A Multiple-Model Based Adaptive Actuator Failure Compensation Scheme for Control of Near-Space Vehicles*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 594-599.	0.4	4
142	Adaptive Controller Design for Faulty UAVs via Quantum Information Technology. International Journal of Advanced Robotic Systems, 2012, 9, 256.	2.1	4
143	An adaptive actuator failure compensation scheme for spacecraft with unknown inertia parameters. , 2012, , .		3
144	Adaptive Control of Piecewise Linear Systems: the State Tracking Case. IEEE Transactions on Automatic Control, 2012, 57, 522-528.	5.7	126

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145	Fault Self-repairing Flight Control of a Small Helicopter via Fuzzy Feedforward and Quantum Control Techniques. Cognitive Computation, 2012, 4, 543-548.	5.2	18
146	Discrete-time adaptive control of a nonlinear aircraft flight dynamic system (NASA GTM) with damage. , 2012, , .		3
147	Adaptive prediction and control of discreteâ€time Takagiâ€“Sugeno fuzzy systems. International Journal of Adaptive Control and Signal Processing, 2012, 26, 560-575.	4.1	5
148	Adaptive Control Schemes for Discrete-Time Tâ€“S Fuzzy Systems With Unknown Parameters and Actuator Failures. IEEE Transactions on Fuzzy Systems, 2012, 20, 471-486.	9.8	39
149	A discrete-time parameter estimation based adaptive actuator failure compensation control scheme. , 2011, , .		0
150	A discrete-time multivariable state feedback MRAC design with application to linearized aircraft models with damage. , 2011, , .		2
151	Direct adaptive control using an adaptive reference model. International Journal of Control, 2011, 84, 180-196.	1.9	18
152	A multivariable MRAC design for aircraft systems under failure and damage conditions. , 2011, , .		2
153	Adaptive Actuator Nonlinearity Compensation for Multivariable Systems. , 2011, , .		2
154	A feedback-based sensor uncertainty detection scheme. , 2011, , .		0
155	Fault Tolerant Control for a Class of Nonlinear Systems with Application to Near Space Vehicle. Circuits, Systems, and Signal Processing, 2011, 30, 655-672.	2.0	72
156	A multivariable MRAC scheme with application to a nonlinear aircraft model. Automatica, 2011, 47, 804-812.	5.0	53
157	A parameter estimation based adaptive actuator failure compensation control scheme. Journal of Systems Engineering and Electronics, 2011, 22, 1-11.	2.2	14
158	Multivariable state feedback for output tracking MRAC for piecewise linear systems. , 2011, , .		1
159	Adaptive actuator nonlinearity compensation and disturbance rejection with an aircraft application. , 2011, , .		15
160	Adaptive control of piecewise linear systems: The output tracking case. , 2011, , .		5
161	Adaptive control of piecewise linear systems with applications to NASA GTM. , 2011, , .		7
162	Adaptive control schemes for discrete-time T-S fuzzy systems with unknown parameters and actuator failures. , 2011, , .		0

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163	Multivariable Adaptive Control of NASA Generic Transport Aircraft Model with Damage. Journal of Guidance, Control, and Dynamics, 2011, 34, 1495-1506.	2.8	32
164	Output feedback MIMO MRAC schemes with sensor uncertainty compensation. , 2010, , .		2
165	Adaptive control of piecewise linear systems: The state tracking case. , 2010, , .		7
166	Modeling and Model Reference Adaptive Control of Aircraft with Asymmetric Damage. Journal of Guidance, Control, and Dynamics, 2010, 33, 1500-1517.	2.8	71
167	Gain Margins of Adaptive Control Systems. IEEE Transactions on Automatic Control, 2010, 55, 104-115.	5.7	10
168	A multivariable MRAC design using state feedback for linearized aircraft models with damage. , 2010, , .		2
169	An adaptive detection scheme for aircraft aerodynamic system damage. , 2010, , .		3
170	Discrete-time MRAC schemes using sensor uncertainty compensation with application to artificial pancreas. , 2009, , .		1
171	Multivariable MRAC with state feedback for output tracking. , 2009, , .		12
172	Performance robustness of MRAC under reduction in actuator effectiveness. , 2009, , .		1
173	A multivariable MRAC scheme with sensor uncertainty compensation. , 2009, , .		3
174	An adaptive nonlinear output feedback controller using dynamic bounding with an aircraft control application. International Journal of Adaptive Control and Signal Processing, 2009, 23, 609-639.	4.1	32
175	Feedback based adaptive compensation of control system sensor uncertainties. Automatica, 2009, 45, 393-404.	5.0	50
176	Adaptive actuator failure compensation for redundant manipulators. Robotica, 2009, 27, 19-28.	1.9	10
177	A Direct Adaptive Control Approach in the Presence of Model Mismatch. , 2009, , .		4
178	Neural Network-Based Compensation of Synthetic Jet Actuator Nonlinearities for Aircraft Flight Control. , 2009, , .		8
179	Multivariable MRAC using Nussbaum gains for aircraft with abrupt damages. , 2008, , .		13
180	Adaptive Methods for Flight Control Diagnostics. , 2008, , .		6

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181	Direct Adaptive Control of Systems with Actuator Failures: State of the Art and Continuing Challenges. , 2008, , .		11
182	Adaptive control of systems with actuator failures. , 2008, , .		0
183	Adaptive Compensation of Aircraft Actuation Failures Using an Engine Differential Model. IEEE Transactions on Control Systems Technology, 2008, 16, 971-982.	5.2	23
184	Adaptive Synthetic Jet Actuator Compensation for A Nonlinear Aircraft Model at Low Angles of Attack. IEEE Transactions on Control Systems Technology, 2008, 16, 983-995.	5.2	54
185	Adaptive feedback control based artificial pancreas. , 2008, , .		2
186	Adaptive spline function based compensation of synthetic jet actuators for aircraft flight control. , 2008, , .		0
187	Modeling and multivariable adaptive control of aircraft with synthetic jet actuators. , 2008, , .		8
188	Multivariable MRAC for aircraft with abrupt damages. , 2008, , .		10
189	High-order design of adaptive inverses for signal-dependent actuator nonlinearities. , 2008, , .		8
190	Gain margins of model reference adaptive control systems. , 2008, , .		4
191	An adaptive inverse compensation scheme for signal-dependent actuator nonlinearities. , 2007, , .		12
192	Feedback Based Adaptive Sensor Uncertainty Compensation for Control of LTI Systems. Proceedings of the American Control Conference, 2007, , .	0.0	4
193	An Adaptive Disturbance Rejection Algorithm for MIMO Systems with An Aircraft Flight Control Application. , 2007, , .		8
194	Stabilization of An Underactuated Rigid Body Using Certainty Equivalence Adaptive Control. Proceedings of the American Control Conference, 2007, , .	0.0	1
195	Modeling, Estimation, and Control of Human Circulatory System With a Left Ventricular Assist Device. IEEE Transactions on Control Systems Technology, 2007, 15, 754-767.	5.2	61
196	Adaptive actuator failure compensation for nonlinear MIMO systems with an aircraft control application. Automatica, 2007, 43, 1869-1883.	5.0	365
197	Study of pressure estimation for a human circulatory system with a LVAD. , 2006, , .		5
198	Adaptive failure compensation of two-state aircraft morphing actuators. IEEE Transactions on Control Systems Technology, 2006, 14, 157-164.	5.2	29

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199	Adaptive synthetic jet actuator compensation for a nonlinear tailless aircraft model at low angles of attack. , 2006, , .		20
200	Adaptive failure compensation for aircraft tracking control using engine differential based model. , 2006, , .		6
201	A study of adaptation of multiple actuating signals for LTI systems. , 2006, , .		3
202	Adaptive output feedback actuator failure compensation for a class of non-linear systems. International Journal of Adaptive Control and Signal Processing, 2005, 19, 419-444.	4.1	81
203	Robust Adaptive Control Scheme for Discrete-Time System With Actuator Failures. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2005, 127, 520-526.	1.6	2
204	Virtual Grouping based adaptive actuator failure compensation for MIMO nonlinear systems. IEEE Transactions on Automatic Control, 2005, 50, 1775-1780.	5.7	38
205	An Adaptive Inverse Control Scheme for Synthetic Jet Actuator Arrays. , 2005, , .		24
206	In vitro test of an adaptive flow controller for a continuous flow LVAD. , 2004, , .		1
207	Multivariable Adaptive Control Using High-Frequency Gain Matrix Factorization. IEEE Transactions on Automatic Control, 2004, 49, 1152-1157.	5.7	72
208	Adaptive Control of Systems with Actuator Failures. , 2004, , .		208
209	Adaptive actuator failure compensation control for MIMO systems*. International Journal of Control, 2004, 77, 1307-1317.	1.9	19
210	Adaptive actuator failure compensation control for MIMO systems*. International Journal of Control, 2004, 77, 1307-1317.	1.9	1
211	Adaptive actuator failure compensation for parametric strict feedback systems and an aircraft application. Automatica, 2003, 39, 1975-1982.	5.0	268
212	An adaptive dead-zone inverse controller for systems with sandwiched dead-zones. International Journal of Control, 2003, 76, 755-769.	1.9	57
213	Experimental study of sliding mode control for a benchmark magnetic bearing system and artificial heart pump suspension. IEEE Transactions on Control Systems Technology, 2003, 11, 128-138.	5.2	42
214	A discrete-time robust adaptive actuator failure compensation control scheme. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 405-410.	0.4	0
215	Actuator failure compensation schemes for vibration control of a rocket fairing model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 173-178.	0.4	4
216	AN ADAPTIVE CONTROL SCHEME FOR OUTPUT FEEDBACK NONLINEAR SYSTEMS WITH ACTUATOR FAILURES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 415-420.	0.4	12

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