

Bin Xu

List of Publications by Year in descending order

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152
papers

6,005
citations

87888

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all docs

155
docs citations

155
times ranked

3201
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite Neural Dynamic Surface Control of a Class of Uncertain Nonlinear Systems in Strict-Feedback Form. IEEE Transactions on Cybernetics, 2014, 44, 2626-2634.	9.5	379
2	Global Neural Dynamic Surface Tracking Control of Strict-Feedback Systems With Application to Hypersonic Flight Vehicle. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2563-2575.	11.3	298
3	Robust adaptive neural control of flexible hypersonic flight vehicle with dead-zone input nonlinearity. Nonlinear Dynamics, 2015, 80, 1509-1520.	5.2	259
4	A Survey of Social-Based Routing in Delay Tolerant Networks: Positive and Negative Social Effects. IEEE Communications Surveys and Tutorials, 2013, 15, 387-401.	39.4	252
5	Dynamic Surface Control of Constrained Hypersonic Flight Models with Parameter Estimation and Actuator Compensation. Asian Journal of Control, 2014, 16, 162-174.	3.0	219
6	Reinforcement Learning Output Feedback NN Control Using Deterministic Learning Technique. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 635-641.	11.3	217
7	DOB-Based Neural Control of Flexible Hypersonic Flight Vehicle Considering Wind Effects. IEEE Transactions on Industrial Electronics, 2017, 64, 8676-8685.	7.9	201
8	Barrier Lyapunov Function Based Learning Control of Hypersonic Flight Vehicle With AOA Constraint and Actuator Faults. IEEE Transactions on Cybernetics, 2019, 49, 1047-1057.	9.5	164
9	Disturbance Observer Based Composite Learning Fuzzy Control of Nonlinear Systems with Unknown Dead Zone. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1854-1862.	9.3	150
10	Composite Intelligent Learning Control of Strict-Feedback Systems With Disturbance. IEEE Transactions on Cybernetics, 2018, 48, 730-741.	9.5	147
11	Adaptive discrete-time controller design with neural network for hypersonic flight vehicle via back-stepping. International Journal of Control, 2011, 84, 1543-1552.	1.9	144
12	An overview on flight dynamics and control approaches for hypersonic vehicles. Science China Information Sciences, 2015, 58, 1-19.	4.3	132
13	Disturbance Observer-Based Dynamic Surface Control of Transport Aircraft With Continuous Heavy Cargo Airdrop. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 161-170.	9.3	129
14	Composite fuzzy control of a class of uncertain nonlinear systems with disturbance observer. Nonlinear Dynamics, 2015, 80, 341-351.	5.2	126
15	Adaptive neural control based on HGO for hypersonic flight vehicles. Science China Information Sciences, 2011, 54, 511-520.	4.3	112
16	Composite Learning Finite-Time Control With Application to Quadrotors. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1806-1815.	9.3	110
17	Hybrid feedback feedforward: An efficient design of adaptive neural network control. Neural Networks, 2016, 76, 122-134.	5.9	103
18	Fault-tolerant control using command-filtered adaptive backstepping technique: Application to hypersonic longitudinal flight dynamics. International Journal of Adaptive Control and Signal Processing, 2016, 30, 553-577.	4.1	98

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19	Direct neural discrete control of hypersonic flight vehicle. <i>Nonlinear Dynamics</i> , 2012, 70, 269-278.	5.2	96
20	Neural Learning Control of Strict-Feedback Systems Using Disturbance Observer. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 1296-1307.	11.3	93
21	Online Recorded Data-Based Composite Neural Control of Strict-Feedback Systems With Application to Hypersonic Flight Dynamics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 3839-3849.	11.3	89
22	High-Accuracy TDOA-Based Localization without Time Synchronization. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013, 24, 1567-1576.	5.6	88
23	Neural network based dynamic surface control of hypersonic flight dynamics using small-gain theorem. <i>Neurocomputing</i> , 2016, 173, 690-699.	5.9	83
24	Composite Learning Control of Flexible-Link Manipulator Using NN and DOB. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1979-1985.	9.3	74
25	Neural discrete back-stepping control of hypersonic flight vehicle with equivalent prediction model. <i>Neurocomputing</i> , 2015, 154, 337-346.	5.9	71
26	Composite Learning Control of MIMO Systems With Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 6414-6424.	7.9	70
27	L2P2: Location-aware location privacy protection for location-based services. , 2012, , .		66
28	Global adaptive tracking control of robot manipulators using neural networks with finite-time learning convergence. <i>International Journal of Control, Automation and Systems</i> , 2017, 15, 1916-1924.	2.7	64
29	Composite Neural Learning-Based Nonsingular Terminal Sliding Mode Control of MEMS Gyroscopes. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1375-1386.	11.3	63
30	Daily Mood Assessment Based on Mobile Phone Sensing. , 2012, , .		62
31	The design and implementation of service process reconfiguration with end-to-end QoS constraints in SOA. <i>Service Oriented Computing and Applications</i> , 2010, 4, 157-168.	1.6	61
32	Robust Adaptive Fuzzy Control for HFV With Parameter Uncertainty and Unmodeled Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 8851-8860.	7.9	61
33	Neural control of hypersonic flight vehicle model via time-scale decomposition with throttle setting constraint. <i>Nonlinear Dynamics</i> , 2013, 73, 1849-1861.	5.2	60
34	Command Filter Based Robust Nonlinear Control of Hypersonic Aircraft with Magnitude Constraints on States and Actuators. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2014, 73, 233-247.	3.4	59
35	Optimal design of a scaled-up PRO system using swarm intelligence approach. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	59
36	Robust Adaptive Neural Control of Nonminimum Phase Hypersonic Vehicle Model. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1107-1115.	9.3	58

#	ARTICLE	IF	CITATIONS
37	Minimal-learning-parameter technique based adaptive neural control of hypersonic flight dynamics without back-stepping. Neurocomputing, 2015, 164, 201-209.	5.9	56
38	Disturbance Observer-Based Fault-Tolerant Control for Robotic Systems With Guaranteed Prescribed Performance. IEEE Transactions on Cybernetics, 2022, 52, 772-783.	9.5	53
39	Neural Network-Based Distributed Cooperative Learning Control for Multiagent Systems via Event-Triggered Communication. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 407-419.	11.3	50
40	Discrete-time hypersonic flight control based on extreme learning machine. Neurocomputing, 2014, 128, 232-241.	5.9	47
41	Composite learning adaptive sliding mode control for AUV target tracking. Neurocomputing, 2019, 351, 180-186.	5.9	39
42	Automatic Service Composition Based on Enhanced Service Dependency Graph. , 2008, , .		35
43	Direct neural control of hypersonic flight vehicles with prediction model in discrete time. Neurocomputing, 2013, 115, 39-48.	5.9	35
44	Whistle: Synchronization-Free TDOA for Localization. , 2011, , .		34
45	Adaptive fuzzy PD control with stable H^{∞} tracking guarantee. Neurocomputing, 2017, 237, 71-78.	5.9	34
46	Minimal-Learning-Parameter Technique Based Adaptive Neural Sliding Mode Control of MEMS Gyroscope. Complexity, 2017, 2017, 1-8.	1.6	34
47	Composite Learning Sliding Mode Control of Flexible-Link Manipulator. Complexity, 2017, 2017, 1-6.	1.6	31
48	Universal Kriging control of hypersonic aircraft model using predictor model without backstepping. IET Control Theory and Applications, 2013, 7, 573-583.	2.1	30
49	Two performance enhanced control of flexible-link manipulator with system uncertainty and disturbances. Science China Information Sciences, 2017, 60, 1.	4.3	30
50	Automatic Service Composition Using AND/OR Graph. Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS), International Workshop on, 2008, , .	0.0	29
51	A QoS-Driven Approach for Semantic Service Composition. , 2009, , .		29
52	Co-design for Uncertain Nonlinear Control Systems Based on Policy Iteration Method. IEEE Transactions on Cybernetics, 2022, 52, 10101-10110.	9.5	29
53	Hybrid Intelligent Feedforward-Feedback Pitch Control for VSWT With Predicted Wind Speed. IEEE Transactions on Energy Conversion, 2021, 36, 2770-2781.	5.2	29
54	Adaptive Neural Control of a Hypersonic Vehicle in Discrete Time. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 219-231.	3.4	28

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55	Finite-time prescribed performance control of MEMS gyroscopes. <i>Nonlinear Dynamics</i> , 2020, 101, 2223-2234.	5.2	28
56	Predefined-Time Asymptotic Tracking Control for Hypersonic Flight Vehicles With Input Quantization and Faults. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2021, 57, 2826-2837.	4.7	28
57	Virtual Guidance-Based Coordinated Tracking Control of Multi-Autonomous Underwater Vehicles Using Composite Neural Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5565-5574.	11.3	26
58	Adaptive Control of Uncertain Nonlinear Time-Delay Systems With External Disturbance. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1288-1295.	9.3	25
59	Aerodynamic/reaction-jet compound control of hypersonic reentry vehicle using sliding mode control and neural learning. <i>Aerospace Science and Technology</i> , 2021, 111, 106564.	4.8	25
60	Fuzzy adaptive control for pure-feedback system via time scale separation. <i>International Journal of Control, Automation and Systems</i> , 2013, 11, 147-158.	2.7	24
61	Robust bilateral control for state convergence in uncertain teleoperation systems with time-varying delay: a guaranteed cost control design. <i>Nonlinear Dynamics</i> , 2017, 88, 1413-1426.	5.2	24
62	Output Feedback Control of Micromechanical Gyroscopes Using Neural Networks and Disturbance Observer. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 962-972.	11.3	24
63	Towards efficiency of QoS-driven semantic web service composition for large-scale service-oriented systems. <i>Service Oriented Computing and Applications</i> , 2012, 6, 1-13.	1.6	23
64	Adaptive fuzzy voltage-based backstepping tracking control for uncertain robotic manipulators subject to partial state constraints and input delay. <i>Nonlinear Dynamics</i> , 2020, 100, 2609-2634.	5.2	23
65	Robust Intelligent Control of SISO Nonlinear Systems Using Switching Mechanism. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 3975-3987.	9.5	22
66	Two controller designs of hypersonic flight vehicle under actuator dynamics and AOA constraint. <i>Aerospace Science and Technology</i> , 2018, 80, 11-19.	4.8	21
67	Composite Learning Fuzzy Control of Stochastic Nonlinear Strict-Feedback Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 705-715.	9.8	18
68	Sliding mode control of multi-agent system with application to UAV air combat. <i>Computers and Electrical Engineering</i> , 2021, 96, 107491.	4.8	18
69	Service data correlation modeling and its application in data-driven service composition. <i>IEEE Transactions on Services Computing</i> , 2010, 3, 279-291.	4.6	17
70	Adaptive sliding mode control of nonlinear nonminimum phase system with input delay. <i>IET Control Theory and Applications</i> , 2017, 11, 1153-1161.	2.1	17
71	Sliding mode control of MEMS gyroscopes using composite learning. <i>Neurocomputing</i> , 2018, 275, 2555-2564.	5.9	17
72	Terminal Sliding Mode Control of MEMS Gyroscopes With Finite-Time Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4490-4498.	11.3	17

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73	Analysis and design of a distributed $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e178" altimg="si114.svg"} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -winners-take-all model. Automatica, 2020, 115, 108868.	5.0	17
74	Adaptive neural control of unknown non-affine nonlinear systems with input deadzone and unknown disturbance. Nonlinear Dynamics, 2019, 95, 1283-1299.	5.2	16
75	Finite-time formation control and obstacle avoidance of multi-agent system with application. International Journal of Robust and Nonlinear Control, 2022, 32, 2883-2901.	3.7	16
76	Distributed Multi-Actuator Control for Workload Balancing in Wireless Sensor and Actuator Networks. IEEE Transactions on Automatic Control, 2011, 56, 2462-2467.	5.7	15
77	Nonlinear adaptive tracking control of non-minimum phase hypersonic flight vehicles with unknown input nonlinearity. Nonlinear Dynamics, 2017, 90, 1151-1163.	5.2	15
78	Kalman-filter-based robust control for hypersonic flight vehicle with measurement noises. Aerospace Science and Technology, 2021, 112, 106566.	4.8	15
79	Serial-Parallel Estimation Model-Based Sliding Mode Control of MEMS Gyroscopes. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7764-7775.	9.3	13
80	Intelligent Control of Flexible Hypersonic Flight Dynamics With Input Dead Zone Using Singular Perturbation Decomposition. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5926-5936.	11.3	13
81	Semantic Web Services Discovery in P2P Environment. , 2007, , .		12
82	Adaptive Fuzzy Sliding Mode Control of MEMS Gyroscope with Finite Time Convergence. Journal of Sensors, 2016, 2016, 1-7.	1.1	12
83	Failure prognosis of multiple uncertainty system based on Kalman filter and its application to aircraft fuel system. Advances in Mechanical Engineering, 2016, 8, 168781401667144.	1.6	12
84	Review of modeling and control during transport airdrop process. International Journal of Advanced Robotic Systems, 2016, 13, 172988141667814.	2.1	12
85	Evasion guidance algorithms for air-breathing hypersonic vehicles in three-player pursuit-evasion games. Chinese Journal of Aeronautics, 2020, 33, 3423-3436.	5.3	12
86	Finite-Time Robust Intelligent Control of Strict-Feedback Nonlinear Systems With Flight Dynamics Application. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6173-6182.	11.3	12
87	HOSM observer based robust adaptive hypersonic flight control using composite learning. Neurocomputing, 2018, 295, 98-107.	5.9	11
88	SWSDS: Quick Web Service Discovery and Composition in SEWSIP. , 2006, , .		10
89	Decomposition of the Kennaugh Matrix Based on a New Norm. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1000-1004.	3.1	10
90	Compound FAT-based prespecified performance learning control of robotic manipulators with actuator dynamics. ISA Transactions, 2022, 131, 246-263.	5.7	10

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91	Robust adaptive control of hypersonic flight vehicle with asymmetric AOA constraint. Science China Information Sciences, 2020, 63, 1.	4.3	9
92	An Approach of Ontology Based Knowledge Base Construction for Chinese K12 Education. , 2016, , .		8
93	Adaptive fault tolerant control for hypersonic vehicle with external disturbance. International Journal of Advanced Robotic Systems, 2017, 14, 172988141668713.	2.1	8
94	Uncalibrated downward-looking UAV visual compass based on clustered point features. Science China Information Sciences, 2019, 62, 1.	4.3	8
95	Interval Estimation for Uncertain Systems via Polynomial Chaos Expansions. IEEE Transactions on Automatic Control, 2021, 66, 468-475.	5.7	8
96	Predefined-Time Hierarchical Coordinated Neural Control for Hypersonic Reentry Vehicle. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8456-8466.	11.3	8
97	Real Estate Confidence Index Based on Real Estate News. Emerging Markets Finance and Trade, 2018, 54, 747-760.	3.1	7
98	Locally Weighted Learning Robot Control With Improved Parameter Convergence. IEEE Transactions on Industrial Electronics, 2022, 69, 13236-13244.	7.9	7
99	Asymmetric integral BLF based state-constrained flight control using NN and DOB. International Journal of Robust and Nonlinear Control, 2022, 32, 3021-3038.	3.7	7
100	Robust Adaptive Learning Control of Space Robot for Target Capturing Using Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7567-7577.	11.3	7
101	Inheritance-Aware Document-Driven Service Composition. , 2007, , .		6
102	Efficient composition of semantic web services with end-to-end QoS optimization. Tsinghua Science and Technology, 2010, 15, 678-686.	6.1	6
103	Adaptive Learning Control of Switched Strict-Feedback Nonlinear Systems With Dead Zone Using NN and DOB. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2503-2512.	11.3	6
104	A singularity-free online neural network-based sliding mode control of the fixed-wing unmanned aerial vehicle optimal perching maneuver. Optimal Control Applications and Methods, 2023, 44, 1425-1440.	2.1	6
105	A Semantic Matchmaker for Ranking Web Services. Journal of Computer Science and Technology, 2006, 21, 574-581.	1.5	5
106	Discrete reconfigurable back-stepping attitude control of reentry hypersonic flight vehicle. Advances in Mechanical Engineering, 2017, 9, 168781401770390.	1.6	5
107	Efficient Learning Control of Uncertain Fractional-Order Chaotic Systems With Disturbance. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 445-450.	11.3	5
108	Event-Triggered Adaptive Control of Uncertain Nonlinear Systems With Composite Condition. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6030-6037.	11.3	5

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109	Harmonic disturbance observer-based sliding mode control of MEMS gyroscopes. Science China Information Sciences, 2022, 65, 1.	4.3	5
110	Adaptive Neural Control of a Quadrotor Helicopter with Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 125-134.	1.6	5
111	An accumulated-QoS-first search approach for semantic web service composition. , 2010, , .		4
112	Compose Real Web Services with Context. , 2010, , .		4
113	iWeb: A Service-Oriented Web Application Framework with Service Selection over QoS and Context. , 2011, , .		4
114	Link Characteristics Measuring in 2.4GHz Body Area Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 519792.	2.2	4
115	Robust Adaptive Fuzzy Tracking Control for Uncertain MIMO Nonlinear Nonminimum Phase System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2017-2028.	9.3	4
116	A Model-Free Approach for Online Optimization of Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 109-113.	3.0	4
117	Evasion guidance for air-breathing hypersonic vehicles against unknown pursuer dynamics. Neural Computing and Applications, 2022, 34, 5213-5224.	5.6	4
118	Neural sliding mode control of low-altitude flying UAV considering wave effect. Computers and Electrical Engineering, 2021, 96, 107505.	4.8	4
119	Adaptive Control of Uncertain Nonlinear Systems via Event-Triggered Communication and NN Learning. IEEE Transactions on Cybernetics, 2023, 53, 2391-2401.	9.5	4
120	An efficient QoS-driven service composition approach for large-scale service oriented systems. , 2009, , .		3
121	Methodological Guidelines for Publishing Library Data as Linked Data. , 2017, , .		3
122	Vision Information and Laser Module Based UAV Target Tracking. , 2019, , .		3
123	Analysis of College Students' Public Opinion Based on Machine Learning and Evolutionary Algorithm. Complexity, 2019, 2019, 1-10.	1.6	3
124	Finite time observer-based output feedback control of MEMS gyroscopes with input saturation. International Journal of Robust and Nonlinear Control, 2022, 32, 4300-4317.	3.7	3
125	Adaptive discrete-time control with dual neural networks for HFV via back-stepping. , 2013, , .		2
126	Measuring Credit of Web Service. , 2014, , .		2

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127	Recommending a Credible Web Service. , 2015, , .		2
128	Neural network based global adaptive dynamic surface tracking control for robot manipulators. , 2016, , .		2
129	Disturbance Observer-based Control of Quadrotors with Motor Response Delay and Throttle Nonlinearity. , 2020, , .		2
130	Distributed H _∞ /L ₂ fault detection observer design for linear systems. IFAC-PapersOnLine, 2020, 53, 688-693.	0.9	2
131	Neural network-based sliding mode control for satellite attitude tracking. Advances in Space Research, 2023, 71, 3565-3573.	2.6	2
132	Nonlinearity compensation based robust tracking control of nonlinear nonminimum phase hypersonic flight vehicles. ISA Transactions, 2022, 131, 236-245.	5.7	2
133	Composite control based on optimal torque control and adaptive Kriging control for the CRAB rover. , 2011, , .		1
134	Discrete flight path angle tracking control of hypersonic flight vehicles via multi-rate sampling. , 2012, , .		1
135	Peaking Free HGO Based Neural Hypersonic Flight Vehicle Control. , 2012, , .		1
136	Parameter estimation based control of hypersonic aircraft with magnitude constraints on states and actuators. , 2013, , .		1
137	Neural dynamic surface hypersonic flight control using minimal-learning-parameter technique. , 2014, , .		1
138	Universal Adaptive Neural Network Predictive Algorithm for Remotely Piloted Unmanned Combat Aerial Vehicle in Wireless Sensor Network. Sensors, 2020, 20, 2213.	3.8	1
139	Dynamic Surface Control of Hypersonic Aircraft with Parameter Estimation. Advances in Intelligent Systems and Computing, 2014, , 667-677.	0.6	1
140	Guest editorial: Special issue on wireless mobile computing and networking. Tsinghua Science and Technology, 2011, 16, 449-450.	6.1	0
141	Adaptive hypersonic flight control via back-stepping and Kriging estimation. , 2011, , .		0
142	Adaptive asymptotic tracking control of strict-feedback nonlinear discrete-time system with periodic time delay. , 2012, , .		0
143	Neural control for longitudinal dynamics of hypersonic aircraft. , 2013, , .		0
144	Neural robust adaptive hypersonic flight control without back-stepping. , 2014, , .		0

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145	Review on back-stepping hypersonic flight control. , 2014, , .		0
146	Intelligent Control in Discrete Time for Autonomous Systems. Discrete Dynamics in Nature and Society, 2016, 2016, 1-2.	0.9	0
147	Hypersonic vehicle longitudinal control based on sliding mode observer and dynamic surface control. , 2016, , .		0
148	An efficient neural network control for manipulator trajectory tracking with output constraints. , 2017, , .		0
149	Robust Neural Direct Hypersonic Flight Control Under Actuator Saturation. Communications in Computer and Information Science, 2019, , 406-414.	0.5	0
150	Adaptive Hypersonic Flight Control under Asymmetric AOA Constraint. , 2019, , .		0
151	Robust Adaptive Neural Fault-Tolerant Control of Hypersonic Flight Vehicle. Communications in Computer and Information Science, 2017, , 44-51.	0.5	0
152	Coordinated adaptive control of hypersonic reentry vehicle considering channel coupling. Mathematical Methods in the Applied Sciences, 0, , .	2.3	0