

Yongping Pan

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108
papers

3,952
citations

36
h-index

60
g-index

118
ext. papers

4,864
ext. citations

4.7
avg, IF

6.46
L-index

#	Paper	IF	Citations
108	Global neural dynamic surface tracking control of strict-feedback systems with application to hypersonic flight vehicle. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2563-75	10.3	235
107	Adaptive Fuzzy Backstepping Control of Fractional-Order Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2209-2217	7.3	206
106	HumanRobot Interaction Control of Rehabilitation Robots With Series Elastic Actuators. <i>IEEE Transactions on Robotics</i> , 2015 , 31, 1089-1100	6.5	177
105	Neural network-based sliding mode adaptive control for robot manipulators. <i>Neurocomputing</i> , 2011 , 74, 2377-2384	5.4	166
104	Composite Learning From Adaptive Dynamic Surface Control. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 2603-2609	5.9	163
103	Composite adaptive fuzzy H tracking control of uncertain nonlinear systems. <i>Neurocomputing</i> , 2013 , 99, 15-24	5.4	119
102	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 3087-3096	11.9	115
101	Disturbance Observer Based Composite Learning Fuzzy Control of Nonlinear Systems with Unknown Dead Zone. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1854-1862	7.3	110
100	Personalized Variable Gain Control With Tremor Attenuation for Robot Teleoperation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1759-1770	7.3	110
99	Adaptive Fuzzy Control With Guaranteed Convergence of Optimal Approximation Error. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 807-818	8.3	104
98	Adaptive HumanRobot Interaction Control for Robots Driven by Series Elastic Actuators. <i>IEEE Transactions on Robotics</i> , 2017 , 33, 169-182	6.5	97
97	Hybrid feedback feedforward: An efficient design of adaptive neural network control. <i>Neural Networks</i> , 2016 , 76, 122-134	9.1	88
96	Biomimetic Hybrid Feedback Feedforward Neural-Network Learning Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1481-1487	10.3	87
95	Adaptive Command-Filtered Backstepping Control of Robot Arms With Compliant Actuators. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1149-1156	4.8	84
94	Composite learning robot control with guaranteed parameter convergence. <i>Automatica</i> , 2018 , 89, 398-406		82
93	Enhanced Adaptive Fuzzy Control With Optimal Approximation Error Convergence. <i>IEEE Transactions on Fuzzy Systems</i> , 2013 , 21, 1123-1132	8.3	74
92	Dynamic surface control via singular perturbation analysis. <i>Automatica</i> , 2015 , 57, 29-33	5.7	68

91	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	10.3	68
90	Composite learning from adaptive backstepping neural network control. <i>Neural Networks</i> , 2017 , 95, 134-142	9.142	68
89	Neural network based dynamic surface control of hypersonic flight dynamics using small-gain theorem. <i>Neurocomputing</i> , 2016 , 173, 690-699	5.4	67
88	Efficient PID Tracking Control of Robotic Manipulators Driven by Compliant Actuators. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 915-922	4.8	66
87	Composite Learning Robot Control With Friction Compensation: A Neural Network-Based Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7841-7851	8.9	62
86	Composite adaptive dynamic surface control using online recorded data. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 3921-3936	3.6	58
85	Adaptive Neural Network Backstepping Control of Fractional-Order Nonlinear Systems With Actuator Faults. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5166-5177	10.3	57
84	Synchronization for fractional-order neural networks with full/under-actuation using fractional-order sliding mode control. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 1219-1232	3.8	55
83	Design and control of a novel compliant differential shape memory alloy actuator. <i>Sensors and Actuators A: Physical</i> , 2015 , 225, 71-80	3.9	55
82	Machine health condition prediction via online dynamic fuzzy neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 35, 105-113	7.2	51
81	Robust adaptive neural network control for environmental boundary tracking by mobile robots. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 123-136	3.6	51
80	Composite Learning Adaptive Dynamic Surface Control of Fractional-Order Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2557-2567	10.2	51
79	Statistical Monitoring of Wastewater Treatment Plants Using Variational Bayesian PCA. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3272-3282	3.9	50
78	Multi-modal control scheme for rehabilitation robotic exoskeletons. <i>International Journal of Robotics Research</i> , 2017 , 36, 759-777	5.7	47
77	Robust Sliding Mode Control for Robots Driven by Compliant Actuators. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1259-1266	4.8	47
76	Composite Learning Enhanced Neural Control for Robot Manipulator With Output Error Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 209-218	11.9	45
75	Fault diagnosis and prognosis of wastewater processes with incomplete data by the auto-associative neural networks and ARMA model. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 161, 96-107	3.8	42
74	Discrete-time hypersonic flight control based on extreme learning machine. <i>Neurocomputing</i> , 2014 , 128, 232-241	5.4	40

73	Adaptive neural PD control with semiglobal asymptotic stabilization guarantee. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 2264-74	10.3	39
72	Development of a Novel Adaptive Soft-Sensor Using Variational Bayesian PLS with Accounting for Online Identification of Key Variables. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 338-350	3.9	36
71	Composite adaptive fuzzy control for synchronizing generalized Lorenz systems. <i>Chaos</i> , 2012 , 22, 023144	4.3	34
70	Continuous sliding mode control of compliant robot arms: A singularly perturbed approach. <i>Mechatronics</i> , 2018 , 52, 127-134	3	34
69	Positivity and Stability Analysis for Fractional-Order Delayed Systems: A T-S Fuzzy Model Approach. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 927-939	8.3	33
68	Composite learning control of robotic systems: A least squares modulated approach. <i>Automatica</i> , 2020 , 111, 108612	5.7	32
67	Output-Feedback Adaptive Neural Control of a Compliant Differential SMA Actuator. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 2202-2210	4.8	31
66	Robust model predictive control for constrained continuous-time nonlinear systems. <i>International Journal of Control</i> , 2018 , 91, 359-368	1.5	29
65	Composite Learning Enhanced Robot Impedance Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1052-1059	10.3	29
64	Model reference composite learning control without persistency of excitation. <i>IET Control Theory and Applications</i> , 2016 , 10, 1963-1971	2.5	28
63	Adaptive fuzzy PD control with stable H _∞ tracking guarantee. <i>Neurocomputing</i> , 2017 , 237, 71-78	5.4	27
62	Semiglobal exponential control of Euler-Lagrange systems using a sliding-mode disturbance observer. <i>Automatica</i> , 2020 , 112, 108677	5.7	25
61	Peaking-Free Output-Feedback Adaptive Neural Control Under a Nonseparation Principle. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 3097-108	10.3	24
60	Fire-rule-based direct adaptive type-2 fuzzy H _∞ tracking control. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 1174-1185	7.2	23
59	Global asymptotic stabilization using adaptive fuzzy PD control. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 588-96	10.2	21
58	On parameter convergence in least squares identification and adaptive control. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 2898-2911	3.6	19
57	Development of multiple-step soft-sensors using a Gaussian process model with application for fault prognosis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 157, 85-95	3.8	19
56	Robust wavelet network control for a class of autonomous vehicles to track environmental contour line. <i>Neurocomputing</i> , 2011 , 74, 2886-2892	5.4	19

55	Robust adaptive control for prescribed performance tracking of constrained uncertain nonlinear systems. <i>Journal of the Franklin Institute</i> , 2019 , 356, 18-30	4	19
54	Fault prognosis of filamentous sludge bulking using an enhanced multi-output gaussian processes regression. <i>Control Engineering Practice</i> , 2017 , 62, 46-54	3.9	18
53	The morphology dependence of cuprous oxide and its photocatalytic properties. <i>CrystEngComm</i> , 2013 , 15, 10049	3.3	18
52	Online data-driven composite adaptive backstepping control with exact differentiators. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 779-789	2.8	18
51	Simplified adaptive neural control of strict-feedback nonlinear systems. <i>Neurocomputing</i> , 2015 , 159, 251-256	5.4	16
50	Active Disturbance Rejection Control of Surface Vessels Using Composite Error Updated Extended State Observer. <i>Asian Journal of Control</i> , 2017 , 19, 1802	1.7	15
49	Continuous Tracking Control for a Compliant Actuator With Two-Stage Stiffness. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 57-66	4.9	15
48	Generic Evolving Self-Organizing Neuro-Fuzzy Control of Bio-Inspired Unmanned Aerial Vehicles. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 28, 1542-1556	8.3	14
47	Adaptive Neural Network Control of Serial Variable Stiffness Actuators. <i>Complexity</i> , 2017 , 2017, 1-9	1.6	13
46	Identification and Control of Nonlinear Systems Using Neural Networks: A Singularity-Free Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2696-2706	10.3	13
45	Compressive Sensing for Joint User Activity and Data Detection in Grant-Free NOMA. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 857-860	5.9	12
44	Statistical process monitoring with integration of data projection and one-class classification. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 149, 1-11	3.8	12
43	Stability-Guaranteed Variable Impedance Control of Robots Based on Approximate Dynamic Inversion. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4193-4200	7.3	12
42	Composite adaptive locally weighted learning control for multi-constraint nonlinear systems. <i>Applied Soft Computing Journal</i> , 2017 , 61, 1098-1104	7.5	11
41	Composite Learning Fuzzy Control of Uncertain Nonlinear Systems. <i>International Journal of Fuzzy Systems</i> , 2016 , 18, 990-998	3.6	11
40	Output Feedback Adaptive Neural Control Without Seeking SPR Condition. <i>Asian Journal of Control</i> , 2015 , 17, 1620-1630	1.7	10
39	Adaptive Control for Nonaffine Nonlinear Systems Using Reliable Neural Network Approximation. <i>IEEE Access</i> , 2017 , 5, 23657-23662	3.5	10
38	Fast and low-frequency adaptation in neural network control. <i>IET Control Theory and Applications</i> , 2014 , 8, 2062-2069	2.5	10

37	Efficient learning from adaptive control under sufficient excitation. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 3111-3124	3.6	8
36	Discussions on Smooth Modifications of Integral Sliding Mode Control. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 586-593	2.9	8
35	Composite learning control with application to inverted pendulums 2015 ,		8
34	Learning impedance control of robots with enhanced transient and steady-state control performances. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	8
33	Generalized and Exponential Synchronization for a Class of Novel Complex Dynamic Networks with Hybrid Time-varying Delay via IPAPC. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 2501-2517	2.9	6
32	Neural Network Observer-Based Finite-Time Formation Control of Mobile Robots. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-9	1.1	6
31	Direct adaptive fuzzy control for a class of nonlinear systems with unknown bounds 2009 ,		6
30	Learning from adaptive control under relaxed excitation conditions. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1723-1725	2.8	6
29	Composite learning adaptive backstepping control using neural networks with compact supports. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1726-1738	2.8	5
28	Composite learning from model reference adaptive fuzzy control 2015 ,		5
27	2014 ,		5
26	Adaptive Tracking Control of Hydraulic Systems With Improved Parameter Convergence. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	5
25	Robust Control of a Serial Variable Stiffness Actuator Based on Nonlinear Disturbance Observer (NDOB) 2018 ,		5
24	Robust Trajectory Tracking Control for Variable Stiffness Actuators With Model Perturbations. <i>Frontiers in Neurorobotics</i> , 2019 , 13, 35	3.4	4
23	Robustness analysis of composite adaptive robot control 2016 ,		4
22	Research on a Stable Adaptive Fuzzy Control of Nonlinear Liquid Level System 2006 ,		4
21	Adaptive Transfer Learning of Cross-Spatiotemporal Canonical Correlation Analysis for Plant-Wide Process Monitoring. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 21602-21614	3.9	4
20	Composite learning: An efficient way of parameter estimation in adaptive control 2016 ,		4

19	Indirect Adaptive Fuzzy Control with Approximation Error Estimator for Nonlinear Systems 2009 ,		3
18	Adaptive Neural Network Control for Constrained Robot Manipulators. <i>Lecture Notes in Computer Science</i> , 2017 , 118-127	0.9	3
17	On performance recovery of robust dynamic surface control. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 3094-3109	3.6	2
16	Biomimetic composite learning for robot motion control 2016 ,		2
15	Least-squares learning control with guaranteed parameter convergence 2016 ,		2
14	Asymptotic stabilization via adaptive fuzzy control 2013 ,		2
13	Preliminary Evaluation of Composite Learning Tracking Control on 7-DoF Collaborative Robots. <i>IFAC-PapersOnLine</i> , 2021 , 54, 470-475	0.7	2
12	Enhanced parameter estimation in adaptive control via online historical data. <i>IET Control Theory and Applications</i> , 2019 , 13, 2710-2716	2.5	2
11	Singular perturbation-based saturated adaptive control for underactuated Euler-Lagrange systems. <i>ISA Transactions</i> , 2022 , 119, 74-80	5.5	2
10	Composite Learning for Trajectory Tracking Control of Robot Manipulators with Output Constraints 2018 ,		1
9	Leader-Based Consensus of Heterogeneous Nonlinear Multiagent Systems. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-6	1.1	1
8	Comment on Based on interval type-2 adaptive fuzzy H-tracking controller for SISO time-delay nonlinear systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011 , 16, 1693-1696	3.7	1
7	Adaptive Echo State Network Robot Control with Guaranteed Parameter Convergence. <i>Lecture Notes in Computer Science</i> , 2021 , 587-595	0.9	1
6	Experiments of Composite Learning Admittance Control on 7-DoF Collaborative Robots. <i>Lecture Notes in Computer Science</i> , 2021 , 532-541	0.9	1
5	Sparse Online Gaussian Process Impedance Learning for Multi-DoF Robotic Arms 2021 ,		1
4	Locally Weighted Learning Robot Control With Improved Parameter Convergence. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
3	Performance Improvement of FORCE Learning for Chaotic Echo State Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 262-272	0.9	0
2	Data-Efficient Gaussian Process Online Learning for Adaptive Control of Multi-DoF Robotic Arms. <i>IFAC-PapersOnLine</i> , 2022 , 55, 84-89	0.7	0

- 1 Indirect adaptive control of multi-input-multi-output nonlinear singularly perturbed systems with model uncertainties. *Neurocomputing*, **2022**, 491, 104-116

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