Yongping Pan

List of Publications by Year in Descending Order

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	Locally Weighted Learning Robot Control With Improved Parameter Convergence. *IEEE Transactions on Industrial Electronics*, **2022**, 1-1	8.9	0
107	Singular perturbation-based saturated adaptive control for underactuated Euler-Lagrange systems. *ISA Transactions*, **2022**, 119, 74-80	5.5	2
106	Indirect adaptive control of multi-input-multi-output nonlinear singularly perturbed systems with model uncertainties. *Neurocomputing*, **2022**, 491, 104-116	5.4	
105	Data-Efficient Gaussian Process Online Learning for Adaptive Control of Multi-DoF Robotic Arms. *IFAC-PapersOnLine*, **2022**, 55, 84-89	0.7	0
104	Performance Improvement of FORCE Learning for Chaotic Echo State Networks. *Lecture Notes in Computer Science*, **2021**, 262-272	0.9	0
103	Preliminary Evaluation of Composite Learning Tracking Control on 7-DoF Collaborative Robots. *IFAC-PapersOnLine*, **2021**, 54, 470-475	0.7	2
102	Adaptive Echo State Network Robot Control with Guaranteed Parameter Convergence. *Lecture Notes in Computer Science*, **2021**, 587-595	0.9	1
101	Experiments of Composite Learning Admittance Control on 7-DoF Collaborative Robots. *Lecture Notes in Computer Science*, **2021**, 532-541	0.9	1
100	Sparse Online Gaussian Process Impedance Learning for Multi-DoF Robotic Arms **2021**,		1
99	Positivity and Stability Analysis for Fractional-Order Delayed Systems: A T-S Fuzzy Model Approach. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 927-939	8.3	33
98	Stability-Guaranteed Variable Impedance Control of Robots Based on Approximate Dynamic Inversion. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 4193-4200	7.3	12
97	Composite Learning Enhanced Neural Control for Robot Manipulator With Output Error Constraints. *IEEE Transactions on Industrial Informatics*, **2021**, 17, 209-218	11.9	45
96	Adaptive Tracking Control of Hydraulic Systems With Improved Parameter Convergence. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	5
95	On performance recovery of robust dynamic surface control. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 3094-3109	3.6	2
94	Adaptive Neural Network Backstepping Control of Fractional-Order Nonlinear Systems With Actuator Faults. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 5166-5177	10.3	57
93	Semiglobal exponential control of Euler Lagrange systems using a sliding-mode disturbance observer. *Automatica*, **2020**, 112, 108677	5.7	25
92	Adaptive Transfer Learning of Cross-Spatiotemporal Canonical Correlation Analysis for Plant-Wide Process Monitoring. *Industrial & Engineering Chemistry Research*, **2020**, 59, 21602-21614	3.9	4

91	Learning impedance control of robots with enhanced transient and steady-state control performances. *Science China Information Sciences*, **2020**, 63, 1	3.4	8
90	Composite Learning Enhanced Robot Impedance Control. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 1052-1059	10.3	29
89	Generic Evolving Self-Organizing Neuro-Fuzzy Control of Bio-Inspired Unmanned Aerial Vehicles. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1542-1556	8.3	14
88	Composite Learning Adaptive Dynamic Surface Control of Fractional-Order Nonlinear Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 2557-2567	10.2	51
87	Composite learning control of robotic systems: A least squares modulated approach. *Automatica*, **2020**, 111, 108612	5.7	32
86	Robust Trajectory Tracking Control for Variable Stiffness Actuators With Model Perturbations. *Frontiers in Neurorobotics*, **2019**, 13, 35	3.4	4
85	Composite learning adaptive backstepping control using neural networks with compact supports. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 1726-1738	2.8	5
84	On parameter convergence in least squares identification and adaptive control. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 2898-2911	3.6	19
83	Compressive Sensing for Joint User Activity and Data Detection in Grant-Free NOMA. *IEEE Wireless Communications Letters*, **2019**, 8, 857-860	5.9	12
82	Efficient learning from adaptive control under sufficient excitation. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 3111-3124	3.6	8
81	Enhanced parameter estimation in adaptive control via online historical data. *IET Control Theory and Applications*, **2019**, 13, 2710-2716	2.5	2
80	Learning from adaptive control under relaxed excitation conditions. *International Journal of Adaptive Control and Signal Processing*, **2019**, 33, 1723-1725	2.8	6
79	Composite Learning Robot Control With Friction Compensation: A Neural Network-Based Approach. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7841-7851	8.9	62
78	Identification and Control of Nonlinear Systems Using Neural Networks: A Singularity-Free Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 2696-2706	10.3	13
77	Robust adaptive control for prescribed performance tracking of constrained uncertain nonlinear systems. *Journal of the Franklin Institute*, **2019**, 356, 18-30	4	19
76	Robust Sliding Mode Control for Robots Driven by Compliant Actuators. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 1259-1266	4.8	47
75	Efficient PID Tracking Control of Robotic Manipulators Driven by Compliant Actuators. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 915-922	4.8	66
74	Discussions on Smooth Modifications of Integral Sliding Mode Control. *International Journal of Control, Automation and Systems*, **2018**, 16, 586-593	2.9	8

55	Fault diagnosis and prognosis of wastewater processes with incomplete data by the auto-associative neural networks and ARMA model. *Chemometrics and Intelligent Laboratory Systems*, **2017**, 161, 96-107	3.8	42
54	Adaptive Fuzzy Backstepping Control of Fractional-Order Nonlinear Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2209-2217	7.3	206
53	Adaptive Human Robot Interaction Control for Robots Driven by Series Elastic Actuators. *IEEE Transactions on Robotics*, **2017**, 33, 169-182	6.5	97
52	Composite adaptive locally weighted learning control for multi-constraint nonlinear systems. *Applied Soft Computing Journal*, **2017**, 61, 1098-1104	7.5	11
51	Composite learning from adaptive backstepping neural network control. *Neural Networks*, **2017**, 95, 134-142	9.1	68
50	Adaptive fuzzy PD control with stable H tracking guarantee. *Neurocomputing*, **2017**, 237, 71-78	5.4	27
49	Adaptive Control for Nonaffine Nonlinear Systems Using Reliable Neural Network Approximation. *IEEE Access*, **2017**, 5, 23657-23662	3.5	10
48	Adaptive Neural Network Control of Serial Variable Stiffness Actuators. *Complexity*, **2017**, 2017, 1-9	1.6	13
47	Adaptive Neural Network Control for Constrained Robot Manipulators. *Lecture Notes in Computer Science*, **2017**, 118-127	0.9	3
46	Neural network based dynamic surface control of hypersonic flight dynamics using small-gain theorem. *Neurocomputing*, **2016**, 173, 690-699	5.4	67
45	Robustness analysis of composite adaptive robot control **2016**,		4
44	Model reference composite learning control without persistency of excitation. *IET Control Theory and Applications*, **2016**, 10, 1963-1971	2.5	28
43	Development of multiple-step soft-sensors using a Gaussian process model with application for fault prognosis. *Chemometrics and Intelligent Laboratory Systems*, **2016**, 157, 85-95	3.8	19
42	Biomimetic composite learning for robot motion control **2016**,		2
41	Least-squares learning control with guaranteed parameter convergence **2016**,		2
40	Composite Learning From Adaptive Dynamic Surface Control. *IEEE Transactions on Automatic Control*, **2016**, 61, 2603-2609	5.9	163
39	Hybrid feedback feedforward: An efficient design of adaptive neural network control. *Neural Networks*, **2016**, 76, 122-134	9.1	88
38	Composite adaptive dynamic surface control using online recorded data. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 3921-3936	3.6	58

37	Online data-driven composite adaptive backstepping control with exact differentiators. *International Journal of Adaptive Control and Signal Processing*, **2016**, 30, 779-789	2.8	18
36	Composite Learning Fuzzy Control of Uncertain Nonlinear Systems. *International Journal of Fuzzy Systems*, **2016**, 18, 990-998	3.6	11
35	Composite learning: An efficient way of parameter estimation in adaptive control **2016**,		4
34	Simplified adaptive neural control of strict-feedback nonlinear systems. *Neurocomputing*, **2015**, 159, 251-256	5.4	16
33	Dynamic surface control via singular perturbation analysis. *Automatica*, **2015**, 57, 29-33	5.7	68
32	Peaking-Free Output-Feedback Adaptive Neural Control Under a Nonseparation Principle. *IEEE Transactions on Neural Networks and Learning Systems*, **2015**, 26, 3097-108	10.3	24
31	Statistical process monitoring with integration of data projection and one-class classification. *Chemometrics and Intelligent Laboratory Systems*, **2015**, 149, 1-11	3.8	12
30	Human–Robot Interaction Control of Rehabilitation Robots With Series Elastic Actuators. *IEEE Transactions on Robotics*, **2015**, 31, 1089-1100	6.5	177
29	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, 2563-75	10.3	235
28	Global asymptotic stabilization using adaptive fuzzy PD control. *IEEE Transactions on Cybernetics*, **2015**, 45, 588-96	10.2	21
27	Output Feedback Adaptive Neural Control Without Seeking SPR Condition. *Asian Journal of Control*, **2015**, 17, 1620-1630	1.7	10
26	Composite learning control with application to inverted pendulums **2015**,		8
25	Composite learning from model reference adaptive fuzzy control **2015**,		5
24	Design and control of a novel compliant differential shape memory alloy actuator. *Sensors and Actuators A: Physical*, **2015**, 225, 71-80	3.9	55
23	Development of a Novel Adaptive Soft-Sensor Using Variational Bayesian PLS with Accounting for Online Identification of Key Variables. *Industrial & Engineering Chemistry Research*, **2015**, 54, 338-350	3.9	36
22	Adaptive neural PD control with semiglobal asymptotic stabilization guarantee. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 2264-74	10.3	39
21	Machine health condition prediction via online dynamic fuzzy neural networks. *Engineering Applications of Artificial Intelligence*, **2014**, 35, 105-113	7.2	51
20	Statistical Monitoring of Wastewater Treatment Plants Using Variational Bayesian PCA. *Industrial & Engineering Chemistry Research*, **2014**, 53, 3272-3282	3.9	50

19	Discrete-time hypersonic flight control based on extreme learning machine. *Neurocomputing*, **2014**, 128, 232-241	5.4	40
18	Fast and low-frequency adaptation in neural network control. *IET Control Theory and Applications*, **2014**, 8, 2062-2069	2.5	10
17	Leader-Based Consensus of Heterogeneous Nonlinear Multiagent Systems. *Mathematical Problems in Engineering*, **2014**, 2014, 1-6	1.1	1
16	Neural Network Observer-Based Finite-Time Formation Control of Mobile Robots. *Mathematical Problems in Engineering*, **2014**, 2014, 1-9	1.1	6
15	**2014**,		5
14	Robust adaptive neural network control for environmental boundary tracking by mobile robots. *International Journal of Robust and Nonlinear Control*, **2013**, 23, 123-136	3.6	51
13	The morphology dependence of cuprous oxide and its photocatalytic properties. *CrystEngComm*, **2013**, 15, 10049	3.3	18
12	Enhanced Adaptive Fuzzy Control With Optimal Approximation Error Convergence. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 1123-1132	8.3	74
11	Composite adaptive fuzzy H∞tracking control of uncertain nonlinear systems. *Neurocomputing*, **2013**, 99, 15-24	5.4	119
10	Asymptotic stabilization via adaptive fuzzy control **2013**,		2
9	Composite adaptive fuzzy control for synchronizing generalized Lorenz systems. *Chaos*, **2012**, 22, 023144	3.3	34
8	Neural network-based sliding mode adaptive control for robot manipulators. *Neurocomputing*, **2011**, 74, 2377-2384	5.4	166
7	Robust wavelet network control for a class of autonomous vehicles to track environmental contour line. *Neurocomputing*, **2011**, 74, 2886-2892	5.4	19
6	Adaptive Fuzzy Control With Guaranteed Convergence of Optimal Approximation Error. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 807-818	8.3	104
5	Fire-rule-based direct adaptive type-2 fuzzy H∞tracking control. *Engineering Applications of Artificial Intelligence*, **2011**, 24, 1174-1185	7.2	23
4	Comment on Based on interval type-2 adaptive fuzzy H∞tracking controller for SISO time-delay nonlinear systems *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 1693-1696	3.7	1
3	Direct adaptive fuzzy control for a class of nonlinear systems with unknown bounds **2009**,		6
2	Indirect Adaptive Fuzzy Control with Approximation Error Estimator for Nonlinear Systems **2009**,		3