Yuanchun Li

List of Publications by Year
in descending order

53 papers	242 citations	1307594 7 h-index	1281871 11 g-index
53 all docs	53 docs citations	53 times ranked	152 citing authors

#	Article	IF	Citations
1	Critic Only Policy Iteration-based Zero-sum Neuro-optimal Control of Modular and Reconfigurable Robots with uncertain disturbance via Adaptive Dynamic Programming. , 2020, , .		3
2	Adaptive Dynamic Programming-based Decentralized Sliding Mode Optimal Control for Modular and Reconfigurable Robots. , 2019, , .		2
3	Compensator-based 6-DOF control for probe asteroid-orbital-frame hovering with actuator limitations. Advances in Space Research, 2016, 57, 1914-1927.	2.6	9
4	Decentralized integral sliding mode control for modular and reconfigurable robot with harmonic drive transmission based on joint torque estimation. , 2015, , .		1
5	A Computationally Inexpensive Optimal Guidance via Radial-Basis-Function Neural Network for Autonomous Soft Landing on Asteroids. PLoS ONE, 2015, 10, e0137792.	2.5	1
6	Adaptive Fuzzy Sliding Mode Control for the Probe Soft Landing on the Asteroids with Weak Gravitational Field. Mathematical Problems in Engineering, 2015, 2015, 1-8.	1.1	5
7	Neural Network Control for the Probe Landing Based on Proportional Integral Observer. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	0
8	Finite-Time Spacecraftâ€™s Soft Landing on Asteroids Using PD and Nonsingular Terminal Sliding Mode Control. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	3
9	Robust Linear Quadratic Regulator via Sliding Mode Guidance for Spacecraft Orbiting a Tumbling Asteroid. Mathematical Problems in Engineering, 2015, 2015, 1-11.	1.1	1
10	6-DOF adaptive sliding mode control of probe hovering in the irregular gravity field. , 2015, , .		0
11	Decentralized Integral Nested Sliding Mode Control for Time Varying Constrained Modular and Reconfigurable Robot. Advances in Mechanical Engineering, 2015, 7, 317127.	1.6	8
12	Adaptive fuzzy position/force hybrid control for constrained reconfigurable manipulators with unknown disturbances. , 2015, , .		0
13	Adaptive Neural Network Position/Force Hybrid Control for Constrained Reconfigurable Manipulators. , 2014, , .		2
14	Research of Asteroid Landing Trajectory Optimization Based on Gauss Pseudo-Spectral Method. , 2014, , .		4
15	Attitude Analysis and Robust Adaptive Backstepping Sliding Mode Control of Spacecrafts Orbiting Irregular Asteroids. Mathematical Problems in Engineering, 2014, 2014, 1-15.	1.1	12
16	Observer based quasi-static deformation compensation control for three-link rigid-flexible manipulator. , 2013, , .		0
17	Adaptive sliding mode impedance control in lower limbs rehabilitation robotic. , 2013, , .		8
18	Decentralized Reinforcement Learning Robust Optimal Tracking Control for Time Varying Constrained Reconfigurable Modular Robot Based on ACI and Q-Function. Mathematical Problems in Engineering, 2013, 2013, 1-16.	1.1	10

#	Article	IF	Citations
19	Research of Trajectory Planning for Mobility Assistance Robot Based on CKF. , 2012, , .		2
20	Multi-objective-based configuration generation and optimization for reconfigurable modular robot. , 2011, , .		5
21	Distributed parameter model and cooperative control of manipulators handling a flexible payload. , 2010, , .		0
22	Decentralized adaptive fuzzy sliding mode control for reconfigurable modular manipulators. International Journal of Robust and Nonlinear Control, 2010, 20, 472-488.	3.7	59
23	Decentralized adaptive neural network control for reconfigurable manipulators. , 2010, , .		5
24	Adaptive backstepping control of a dual-manipulator cooperative system handling a flexible payload. , 2010, , .		1
25	Adaptive rigid control of a rigid manipulator handling a flexible payload. , 2010, , .		1
26	Fault detection methods for reconfigurable manipulators via decentralized adaptive fuzzy nonlinear observer. , 2010, , .		1
27	Modeling and control of two manipulators handling a flexible payload based on singular perturbation. , 2010, , .		3
28	Robust stabilisation of uncertain systems with interval time-varying state and input delays. International Journal of Systems Science, 2009, 40, 11-20.	5.5	11
29	Adaptive control of a rigid manipulator holding a flexible payload driven by an unknown force. , 2009, , .		2
30	Decentralized Adaptive Fuzzy Control for Reconfigurable Manipulators. , 2008, , .		10
31	Variable Structure Control of Flexible Manipulator Based on Distributed Parameter Model. , 2007, , .		0
32	A New Distributed Control Scheme of Modular and Reconfigurable Robots. , 2007, , .		1
33	Distributed Adaptive Sliding Mode Control of Modular and Reconfigurable Robots. , 2007, , .		2
34	Robust Adaptive Neural Network Control of Uncertain Rheonomically Constrained Manipulators. , 2006, , .		0
35	Robust Neural networks Compensating Motion Control of Reconfigurable Manipulator in Geometric Form. , 2006, , .		3
36	Robust Controller Design of Uncertain Systems with Interval Time-varying Input Delay. , 2006, , .		4

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37	A Method of Abrupt Sensor Fault Diagnosis. , 2006, , .		6
38	Robust Control of Cooperating Flexible Manipulators Based on Distributed Parameter Model. , 2006, , .		4
39	Delay-dependent robust stabilization of uncertain systems with interval time-varying state and input delays. , 2006, , .		3
40	Kinematics of Reconfigurable Flexible- Manipulator Using a Local Product-of-Exponentials Formula. , 2006, , .		4
41	Design and Simulation of Theodolite DC Servo Control System Based on Neural Network. , 2006, , .		2
42	Generalized Predictive Adaptive Control of Systems with Dominant Time-Varying Delay and Its Application. , 2006, , .		0
43	Fuel-injection control system design and experiments of a diesel engine. IEEE Transactions on Control Systems Technology, 2003, 11, 565-570.	5.2	18
44	Fuel injection control of a diesel engine with a rack actuator. , 2002, , .		1
45	Fault tolerant control with actuation reconfiguration. , 0, , .		0
46	The adaptive fuzzy control of electromagnetic actuator in diesel fuel injection system. , 0, , .		5
47	A fuzzy Smith control of diesel fuel injection quantity. , 0, , .		1
48	An adaptive fuzzy Smith control of time-varying processes with dominant and variable delay. , 0, , .		8
49	Robust control of a two-link flexible manipulator with neural networks based quasi-static deflection compensation. , 0, , .		0
50	Nonlinear adaptive control of teleoperation systems with large time delay. , 0, , .		3
51	Oil-pumping system control using nonlinear homotopy BP neural network and genetic algorithm. , 0, , .		1
52	A Control Scheme for Bilateral Teleoperation Systems Based on Time-varying Communication Delay Identification. , 0, , .		7
53	Robust Neural Networks Compensating Motion Control of Reconfigurable Manipulator. , 0, , .		0