

Xuebo Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Further Results on Optimal Tracking Control for Nonlinear Systems With Nonzero Equilibrium via Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 1900-1910.	7.2	16
2	Adaptive neural network-based fault-tolerant control for a three degrees of freedom helicopter. <i>International Journal of Control</i> , 2023, 96, 182-190.	1.2	5
3	A Novel Industrial Chip Parameters Identification Method Based on Cascaded Region Segmentation for Surface-Mount Equipment. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 5247-5256.	5.2	11
4	Saturated Adaptive-Law-Based Backstepping and Its Applications to a Quadrotor Hover. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 13473-13482.	5.2	11
5	Practical Tracking of Permanent Magnet Linear Motor Via Logarithmic Sliding Mode Control. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 4112-4121.	3.7	28
6	Learning-based super-twisting sliding-mode control for space circumnavigation mission with suboptimal reaching under input constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 5328-5349.	2.1	2
7	Fuzzy-Based Tracking Control for a Class of Fractional-Order Systems with Time Delays. <i>Mathematics</i> , 2022, 10, 1884.	1.1	2
8	Gradient Descent Algorithm-Based Adaptive NN Control Design for an Induction Motor. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 1027-1034.	5.9	12
9	Neural networks-based command filtering control for a table-mount experimental helicopter. <i>Journal of the Franklin Institute</i> , 2021, 358, 321-338.	1.9	7
10	Adaptive neural finite-time control for space circumnavigation mission with uncertain input constraints. <i>Journal of the Franklin Institute</i> , 2021, 358, 3353-3375.	1.9	13
11	Neural-network-based fault-tolerant control for nonlinear systems subjected to faults and saturations. <i>Journal of the Franklin Institute</i> , 2021, 358, 4705-4720.	1.9	3
12	Adaptive NN Backstepping Control Design for a 3-DOF Helicopter: Theory and Experiments. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 3967-3979.	5.2	60
13	Command Filter and Universal Approximator Based Backstepping Control Design for Strict-Feedback Nonlinear Systems With Uncertainty. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 1310-1317.	3.6	112
14	Adaptive neural control for non-strict-feedback nonlinear systems with input delay. <i>Information Sciences</i> , 2020, 514, 605-616.	4.0	94
15	Improved adaptive NN backstepping control design for a perturbed PVTOL aircraft. <i>Neurocomputing</i> , 2020, 410, 51-60.	3.5	21
16	Fault-tolerant Control Based on Fixed-time Observer for a 3-DOF Helicopter System. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2993-3000.	1.6	6
17	Analysis of Nonlinearity and Dynamic Coupling in Fast Circumnavigation Missions. , 2020, , .		1
18	Adaptive attitude tracking control of a 3-degrees-of-freedom experimental helicopter with actuator dead-zone. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2019, 233, 91-99.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Adaptive neural output feedback control for a class of switched non-linear systems with unknown backlash-like hysteresis of the actuator. Transactions of the Institute of Measurement and Control, 2019, 41, 900-910.	1.1	7
20	Extended State Observer-Based Sliding Mode Control of an Omnidirectional Mobile Robot With Friction Compensation. IEEE Transactions on Industrial Electronics, 2019, 66, 9480-9489.	5.2	157
21	Asymptotic Tracking Control for a More Representative Class of Uncertain Nonlinear Systems With Mismatched Uncertainties. IEEE Transactions on Industrial Electronics, 2019, 66, 9417-9427.	5.2	88
22	Position Tracking Control Law for an Electro-Hydraulic Servo System Based on Backstepping and Extended Differentiator. IEEE/ASME Transactions on Mechatronics, 2018, 23, 132-140.	3.7	55
23	SGD-Based Adaptive NN Control Design for Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5071-5083.	7.2	31
24	Stabilization of 2-D Switched Systems With All Modes Unstable via Switching Signal Regulation. IEEE Transactions on Automatic Control, 2018, 63, 857-863.	3.6	50
25	Adaptive neural control of a 3-DOF helicopter with unknown time delay. Neurocomputing, 2018, 307, 98-105.	3.5	22
26	Adaptive fuzzy-based backstepping control of a 3-DOF helicopter testbed with dead-zone. , 2017, , .		1
27	Optimization of control parameters based on genetic algorithms for spacecraft attitude tracking with input constraints. Neurocomputing, 2016, 177, 334-341.	3.5	18
28	Adaptive synergetic control about attitude tracking of rigid spacecraft with disturbances and parameter uncertainties. , 2015, , .		2
29	Fuzzy-approximation-based decentralized adaptive control for pure-feedback large-scale nonlinear systems with time-delay. Neural Computing and Applications, 2015, 26, 151-160.	3.2	24
30	Tracking and \mathbb{H}_∞ control of constrained nonlinear switched systems in strict feedback form. Nonlinear Dynamics, 2015, 80, 87-100.	2.7	8
31	Recent Advances in Complex Networks Theories with Applications. Scientific World Journal, The, 2014, 2014, 1-4.	0.8	2
32	Robust Decentralized Adaptive Neural Control for a Class of Nonaffine Nonlinear Large-Scale Systems with Unknown Dead Zones. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	7
33	Fuzzy output feedback control for nonlinear systems with input time-varying delay. IET Control Theory and Applications, 2014, 8, 738-745.	1.2	24
34	Robust Control for Autonomous Spacecraft Evacuation with Model Uncertainty and Upper Bound of Performance with Constraints. Mathematical Problems in Engineering, 2014, 2014, 1-16.	0.6	6
35	Autonomous impulsive rendezvous for spacecraft under orbital uncertainty and thruster faults. Journal of the Franklin Institute, 2013, 350, 2455-2473.	1.9	23
36	Robust reliable control for autonomous spacecraft rendezvous with limited-thrust. Aerospace Science and Technology, 2013, 24, 161-168.	2.5	28

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37	Data-Driven Adaptive Observer for Fault Diagnosis. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-21.	0.6	100
38	Sampled-Data Control for Relative Position Holding of Spacecraft Rendezvous With Thrust Nonlinearity. <i>IEEE Transactions on Industrial Electronics</i> , 2012, 59, 1146-1153.	5.2	42
39	An impulse control approach to spacecraft autonomous rendezvous based on genetic algorithms. <i>Neurocomputing</i> , 2012, 77, 189-196.	3.5	22
40	Guaranteed Cost Output Tracking Control for Autonomous Homing Phase of Spacecraft Rendezvous. <i>Journal of Aerospace Engineering</i> , 2011, 24, 478-487.	0.8	14
41	Robust orbital transfer for low earth orbit spacecraft with small-thrust. <i>Journal of the Franklin Institute</i> , 2010, 347, 1863-1887.	1.9	41
42	Multi-Objective Robust H_{∞} Control of Spacecraft Rendezvous. <i>IEEE Transactions on Control Systems Technology</i> , 2009, 17, 794-802.	3.2	198