

Ben Niu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

1,446
citations

18
h-index

37
g-index

62
ext. papers

1,919
ext. citations

5.7
avg, IF

5.78
L-index

#	Paper	IF	Citations
56	Flexible H ₂ S sensors: Fabricated by growing NO ₂ -UiO-66 on electrospun nanofibers for detecting ultralow concentration H ₂ S. <i>Applied Surface Science</i> , 2022 , 573, 151446	6.7	1
55	Washable and flexible gas sensor based on UiO-66-NH ₂ nanofibers membrane for highly detecting SO ₂ . <i>Chemical Engineering Journal</i> , 2022 , 428, 131720	14.7	5
54	Adaptive Tracking Control for a Class of Nonlinear MIMO Systems: A Quasi-Fast Finite-Time Design Technique. <i>IEEE Access</i> , 2021 , 9, 142020-142027	3.5	
53	Decentralized Adaptive Command Filtered Neural Tracking Control of Large-Scale Nonlinear Systems: An Almost Fast Finite-Time Framework. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3621-3632	10.3	10
52	Warming homogenizes apparent temperature sensitivity of ecosystem respiration. <i>Science Advances</i> , 2021 , 7,	14.3	6
51	Event-triggered prescribed performance adaptive fuzzy asymptotic tracking of nonstrict-feedback nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 5776-5795	3.6	0
50	Single-network ADP for solving optimal event-triggered tracking control problem of completely unknown nonlinear systems. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 4795-4815	8.4	26
49	Event-triggered-based adaptive command-filtered asymptotic tracking control for flexible robotic manipulators. <i>Nonlinear Dynamics</i> , 2021 , 105, 1543-1557	5	1
48	Event-triggered adaptive tracking control for nonlinear systems with predefined time-varying output constraints based on Nussbaum design. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 7513-7527	3.6	2
47	Adaptive neural network asymptotic tracking control for a class of stochastic nonlinear systems with unknown control gains and full state constraints. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 2007	2.8	16
46	Adaptive Neural Tracking Control Scheme of Switched Stochastic Nonlinear Pure-Feedback Nonlower Triangular Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 975-986	7.3	24
45	Event-Triggered \mathcal{H}_∞ Filtering for Networked Switched Systems With Packet Disorders. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2847-2859	7.3	25
44	Neural networks-based adaptive finite-time prescribed performance fault-tolerant control of switched nonlinear systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2021 , 35, 532-548	2.8	6
43	Neural networks-based adaptive practical preassigned finite-time fault tolerant control for nonlinear time-varying delay systems with full state constraints. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 1497-1513	3.6	7
42	Observer-Based Finite-Time \mathcal{H}_∞ Control for Interconnected Fuzzy Systems With Quantization and Random Network Attacks. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 674-685	8.3	19
41	Reduced-Order Observer-Based Adaptive Fuzzy Tracking Control Scheme of Stochastic Switched Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 4566-4578	7.3	10
40	Predefined-Time Adaptive Neural-Network-Based Consensus Tracking Control for Nonlinear Multiagent Systems With Zero Tracking Error. <i>IEEE Access</i> , 2021 , 9, 132205-132214	3.5	0

39	State Feedback Stabilization of Large-Scale Logical Control Networks via Network Aggregation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	4
38	Reachability Analysis for Linear Discrete-Time Systems Under Stealthy Cyber Attacks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 4444-4451	5.9	5
37	Effect of O ₂ /CH ₄ atmosphere on tar production during coal pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 159, 105317	6	2
36	Time-/Event-Triggered Adaptive Neural Asymptotic Tracking Control for Nonlinear Systems With Full-State Constraints and Application to a Single-Link Robot. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	3
35	Dynamic Event-Triggered Finite-Time H _∞ Tracking Control of Switched LPV Aero-Engine Models. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	0
34	Partial-State-Constrained Adaptive Intelligent Tracking Control of Nonlinear Nonstrict-Feedback Systems with Unmodeled Dynamics and Its Application. <i>Complexity</i> , 2020 , 2020, 1-13	1.6	1
33	False-Data-Injection Attacks on Remote Distributed Consensus Estimation. <i>IEEE Transactions on Cybernetics</i> , 2020 ,	10.2	5
32	Two-fluid modeling of a wet spouted fluidized bed with wet restitution coefficient model. <i>Powder Technology</i> , 2020 , 364, 363-372	5.2	6
31	CFD-based reduced-order modeling of fluidized-bed biomass fast pyrolysis using artificial neural network. <i>Renewable Energy</i> , 2020 , 152, 613-626	8.1	35
30	Adaptive Neural Tracking Control for Uncertain Switched Nonlinear Non-lower Triangular System with Disturbances and Dead-zone Input. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 1445-1452	2.9	4
29	Adaptive Neural Output-Feedback Controller Design of Switched Nonlower Triangular Nonlinear Systems With Time Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4084-4093	10.3	53
28	Almost fast finite-time adaptive tracking control for a class of full-state constrained pure-feedback nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 7517-7532	3.6	9
27	Intelligent Adaptive Tracking Controller Design for Stochastic Switched Pure-Feedback Nonlinear Systems With Input Saturation and Non-Lower Triangular Structure. <i>IEEE Access</i> , 2020 , 8, 127022-127033	3.5	
26	Robust Deposition of Silver Nanoparticles on Paper Assisted by Polydopamine for Green and Flexible Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12842-12851	8.3	14
25	A New Adaptive DS-Based Finite-Time Neural Tracking Control Scheme for Nonstrict-Feedback Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-5	7.3	2
24	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1877-1886	10.2	96
23	Adaptive neural control for switched nonlinear systems with unknown backlash-like hysteresis and output dead-zone. <i>Neurocomputing</i> , 2019 , 357, 203-214	5.4	73
22	CFD modeling of the effects of particle shrinkage and intra-particle heat conduction on biomass fast pyrolysis. <i>Renewable Energy</i> , 2019 , 141, 236-245	8.1	35

21	Adaptive Neural State-Feedback Tracking Control of Stochastic Nonlinear Switched Systems: An Average Dwell-Time Method. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1076-1087	10.3	145
20	Adaptive neural tracking control of nonlinear stochastic switched non-lower triangular systems with input saturation. <i>Neurocomputing</i> , 2019 , 364, 192-202	5.4	24
19	Adaptive fuzzy output-feedback fault-tolerant tracking control of a class of uncertain nonlinear switched systems. <i>International Journal of Systems Science</i> , 2019 , 50, 2673-2686	2.3	3
18	A highly durable textile-based sensor as a human-worn material interface for long-term multiple mechanical deformation sensing. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14651-14663	7.1	15
17	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1386-1398	7.3	65
16	Variation of Geldart classification in MFM simulation of biomass fast pyrolysis considering the decrease of particle density and diameter. <i>Renewable Energy</i> , 2019 , 135, 208-217	8.1	10
15	A Novel Neural-Network-Based Adaptive Control Scheme for Output-Constrained Stochastic Switched Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 418-432	7.3	77
14	Adaptive Backstepping-Based Neural Tracking Control for MIMO Nonlinear Switched Systems Subject to Input Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2638-2644	10.3	103
13	Adaptive NN Dynamic Surface Controller Design for Nonlinear Pure-Feedback Switched Systems With Time-Delays and Quantized Input. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1676-1688	7.3	71
12	Encapsulation of Cinnamon Essential Oil for Active Food Packaging Film with Synergistic Antimicrobial Activity. <i>Nanomaterials</i> , 2018 , 8,	5.4	18
11	Adaptive Neural Controller Design Scheme of Nonlinear Delayed Systems With Completely Unknown Nonlinearities and Non-Strict-Feedback Structure. <i>IEEE Access</i> , 2018 , 6, 66418-66427	3.5	8
10	Adaptive RBF Neural-Network-Based Design Strategy for Non-Strict-Feedback Nonlinear Systems by Using Integral Lyapunov Functions. <i>IEEE Access</i> , 2018 , 6, 75076-75085	3.5	6
9	Adaptive neural-network-based tracking control strategy of nonlinear switched non-lower triangular systems with unmodeled dynamics. <i>Neurocomputing</i> , 2018 , 322, 1-12	5.4	16
8	Command Filter-Based Adaptive Neural Tracking Controller Design for Uncertain Switched Nonlinear Output-Constrained Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3160-3171	10.2	141
7	Mechanism of hydrogen transfer and role of solvent during heating-up stage of direct coal liquefaction. <i>Fuel Processing Technology</i> , 2017 , 160, 130-135	7.2	28
6	Isotope analysis for understanding the hydrogen transfer mechanism in direct liquefaction of Bulianta coal. <i>Fuel</i> , 2017 , 203, 82-89	7.1	16
5	Decentralized adaptive approximation-based fuzzy output-feedback control of uncertain switched stochastic interconnected nonlinear systems. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7306-7325	4	12
4	Adaptive Output-Feedback Controller Design for Switched Nonlinear Stochastic Systems With a Modified Average Dwell-Time Method. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1371-1382	7.3	158

3	Interaction between Hydrogen-Donor and Nondonor Solvents in Direct Liquefaction of Bulianta Coal. <i>Energy & Fuels</i> , 2016 , 30, 10260-10267	4.1	16
2	Dynamic Output-Feedback Passivity Control for Fuzzy Systems under Variable Sampling. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-10	1.1	4
1	Observer-Based Robust Tracking Control for a Class of Switched Nonlinear Cascade Systems. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	2