

Yun-Bo Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4159945/publications.pdf>

Version: 2024-02-01

99
papers

1,541
citations

361045

20
h-index

344852

36
g-index

100
all docs

100
docs citations

100
times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a Packet-Based Control Framework for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2009, 17, 859-865.	3.2	124
2	Stability Analysis of A Class of Hybrid Stochastic Retarded Systems Under Asynchronous Switching. IEEE Transactions on Automatic Control, 2014, 59, 1511-1523.	3.6	117
3	H_{∞} Control for Networked Predictive Control Systems Based on the Switched Lyapunov Function Method. IEEE Transactions on Industrial Electronics, 2010, 57, 3565-3571.	5.2	108
4	Integrated predictive control and scheduling co-design for networked control systems. IET Control Theory and Applications, 2008, 2, 7-15.	1.2	74
5	Guaranteed Cost Control for Networked Control Systems Based on an Improved Predictive Control Method. IEEE Transactions on Control Systems Technology, 2010, 18, 1226-1232.	3.2	59
6	HPILN: a feature learning framework for cross-modality person re-identification. IET Image Processing, 2019, 13, 2897-2904.	1.4	59
7	Improved predictive control approach to networked control systems. IET Control Theory and Applications, 2008, 2, 675-681.	1.2	57
8	Packet-Based Deadband Control for Internet-Based Networked Control Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 1057-1067.	3.2	55
9	Error Bounded Sensing for Packet-Based Networked Control Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 1980-1989.	5.2	50
10	A Predictive Control-Based Approach to Networked Hammerstein Systems: Design and Stability Analysis. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 700-708.	5.5	49
11	Modeling and Stabilization of Continuous-Time Packet-Based Networked Control Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1646-1652.	5.5	49
12	H_{∞} Controller Design for Networked Predictive Control Systems Based on the Average Dwell-Time Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 310-314.	2.2	46
13	Networked Predictive Control Systems Based on the Hammerstein Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 469-473.	2.2	34
14	Stability and stabilisation of discrete-time networked control systems: a new time delay system approach. IET Control Theory and Applications, 2010, 4, 1859-1866.	1.2	31
15	Prediction-based approach to output consensus of heterogeneous multi-agent systems with delays. IET Control Theory and Applications, 2018, 12, 20-28.	1.2	30
16	Actively Compensating for Data Packet Disorder in Networked Control Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 913-917.	2.2	29
17	mRNA translation and protein synthesis: an analysis of different modelling methodologies and a new PBN based approach. BMC Systems Biology, 2014, 8, 25.	3.0	29
18	Enhanced EEG-EMG coherence analysis based on hand movements. Biomedical Signal Processing and Control, 2020, 56, 101727.	3.5	25

#	ARTICLE	IF	CITATIONS
19	Bipartite consensus of integrator multi-agent systems with measurement noise. IET Control Theory and Applications, 2017, 11, 3313-3320.	1.2	24
20	Networked Control Systems: The Communication Basics and Control Methodologies. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	21
21	Delayed Feedback MPC Algorithms of Vehicle Platoons Subject to Constraints on Measurement Range and Driving Behaviors. Asian Journal of Control, 2018, 20, 2260-2270.	1.9	18
22	Characteristic model based adaptive controller design and analysis for a class of SISO systems. Science China Information Sciences, 2016, 59, 1.	2.7	17
23	Stability Analysis and Stabilization of a Class of Cutting Systems With Chatter Suppression. IEEE/ASME Transactions on Mechatronics, 2015, 20, 991-996.	3.7	16
24	A Brief Tutorial and Survey on Markovian Jump Systems: Stability and Control. IEEE Systems, Man, and Cybernetics Magazine, 2019, 5, 37-C3.	1.2	16
25	Simultaneous and Continuous Estimation of Joint Angles Based on Surface Electromyography State-Space Model. IEEE Sensors Journal, 2021, 21, 8089-8099.	2.4	16
26	Compensation and stochastic modeling of discrete-time networked control systems with data packet disorder. International Journal of Control, Automation and Systems, 2012, 10, 1055-1063.	1.6	15
27	Stability Analysis of Nonlinear Switched Networked Control Systems with Periodical Packet Dropouts. Circuits, Systems, and Signal Processing, 2013, 32, 1931-1947.	1.2	15
28	Bipartite Linear Consensus of Double-Integrator Multi-Agent Systems With Measurement Noise. Asian Journal of Control, 2018, 20, 577-584.	1.9	15
29	A Novel Self-Triggered MPC Scheme for Constrained Input-Affine Nonlinear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 306-310.	2.2	15
30	Design, Analysis and Real-time Implementation of Networked Predictive Control Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 1769-1777.	1.5	14
31	Surface Electromyography-Based Daily Activity Recognition Using Wavelet Coherence Coefficient and Support Vector Machine. Neural Processing Letters, 2019, 50, 2265-2280.	2.0	14
32	Stability of a class of switched stochastic nonlinear systems under asynchronous switching. International Journal of Control, Automation and Systems, 2012, 10, 1182-1192.	1.6	12
33	A Novel Location Strategy for Minimizing Monitors in Vehicle Emission Remote Sensing System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 500-510.	5.9	12
34	Construction and analysis of cortical-muscular functional network based on EEG-EMG coherence using wavelet coherence. Neurocomputing, 2021, 438, 248-258.	3.5	12
35	Probabilistic Boolean Network Modelling and Analysis Framework for mRNA Translation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2016, 13, 754-766.	1.9	11
36	Denoising of surface electromyogram based on complementary ensemble empirical mode decomposition and improved interval thresholding. Review of Scientific Instruments, 2019, 90, 035003.	0.6	11

#	ARTICLE	IF	CITATIONS
37	Facial expression distribution prediction based on surface electromyography. <i>Expert Systems With Applications</i> , 2020, 161, 113683.	4.4	11
38	Robust model predictive control for constrained networked nonlinear systems: An approximation-based approach. <i>Neurocomputing</i> , 2020, 418, 56-65.	3.5	10
39	Networked Dual-Mode Adaptive Horizon MPC for Constrained Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7435-7449.	5.9	10
40	Effect of muscle fatigue on the cortical-muscle network: A combined electroencephalogram and electromyogram study. <i>Brain Research</i> , 2021, 1752, 147221.	1.1	10
41	The Dynamics Characteristics of Flexible Spacecraft and its Closed-Loop Stability with Passive Control. <i>Journal of Systems Science and Complexity</i> , 2021, 34, 860-872.	1.6	10
42	Offline model predictive control-based gain scheduling for networked control systems. <i>IET Control Theory and Applications</i> , 2012, 6, 2585-2591.	1.2	9
43	Distributed H^∞ -consensus filtering with sensor networks: a finite horizon solution. <i>IMA Journal of Mathematical Control and Information</i> , 2014, 31, 33-49.	1.1	9
44	A networked remote sensing system for on-road vehicle emission monitoring. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	9
45	Bipartite Consensus of Discrete-Time Double-Integrator Multi-Agent Systems with Measurement Noise. <i>Journal of Systems Science and Complexity</i> , 2018, 31, 1525-1540.	1.6	9
46	A Novel Inertial-Visual Heading Determination System for Wheeled Mobile Robots. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 1758-1765.	3.2	9
47	Approximation of boolean networks. , 2012, , .		8
48	Self-tuning asynchronous filter for linear Gaussian system and applications. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2018, 5, 1054-1061.	8.5	8
49	Discretization-based stabilization for a class of switched linear systems with communication delays. <i>ISA Transactions</i> , 2018, 80, 1-11.	3.1	8
50	FVC: A Novel Nonmagnetic Compass. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7810-7820.	5.2	8
51	On the delay effects of different channels in Internet-based networked control systems. <i>International Journal of Systems Science</i> , 2013, 44, 2119-2129.	3.7	7
52	Cortico-muscular functional network: an exploration of cortico-muscular coupling in hand movements. <i>Journal of Neural Engineering</i> , 2021, 18, 046084.	1.8	7
53	Emotion-movement relationship: A study using functional brain network and cortico-muscular coupling. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109320.	1.3	7
54	Stochastic stabilisation of wireless networked control systems with lossy multi- ϵ -packet transmission. <i>IET Control Theory and Applications</i> , 2019, 13, 594-601.	1.2	7

#	ARTICLE	IF	CITATIONS
55	Stochastic Stabilization of Packet-Based Networked Control Systems. , 2018, , 77-85.		6
56	Model-based compensation for multi-packet transmission in networked control systems. , 2011, , .		5
57	Dynamic event-triggered control for networked switched linear systems. , 2017, , .		5
58	Using Communication Networks in Control Systems: The Theoretical and Practical Challenges. Journal of Control Science and Engineering, 2018, 2018, 1-2.	0.8	5
59	Integrated Channel-Aware Scheduling and Packet-Based Predictive Control for Wireless Cloud Control Systems. IEEE Transactions on Cybernetics, 2022, 52, 2735-2749.	6.2	5
60	Predictive Event-Triggered Control for Disturbanced Wireless Networked Control Systems. Journal of Systems Science and Complexity, 2021, 34, 1028-1043.	1.6	5
61	Packet-Based Model Predictive Control for Networked Control Systems With Random Packet Losses. , 2018, , .		4
62	sEMG-MMG State-Space Model for the Continuous Estimation of Multijoint Angle. Complexity, 2020, 2020, 1-12.	0.9	4
63	Feature Extraction of Surface Electromyography Based on Improved Small-World Leaky Echo State Network. Neural Computation, 2020, 32, 741-758.	1.3	4
64	Compound Event-Triggered Distributed MPC for Coupled Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 5572-5584.	6.2	4
65	Dynamic data packing towards the optimization of QoC and QoS in networked control systems. Science China Technological Sciences, 2016, 59, 72-80.	2.0	3
66	Destabilization of Eukaryote mRNAs by 5â€² Proximal Stop Codons Can Occur Independently of the Nonsense-Mediated mRNA Decay Pathway. Cells, 2019, 8, 800.	1.8	3
67	Robust Approximation-Based Event-Triggered MPC for Constrained Sampled-Data Systems. Journal of Systems Science and Complexity, 0, , 1.	1.6	3
68	Stochastic stability analysis of packet-based networked control systems. , 2009, , .		2
69	Using deadband in packet-based networked control systems. , 2009, , .		2
70	New Advances in Distributed Control of Large-Scale Systems. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	2
71	Scheduling and Control Co-Design for Control Systems under Computational Constraints * *This work was supported in part by the National Natural Science Foundation of China under Grant 61673350, in part by the Thousand Talents Plan of China and Zhejiang, and in part by the Major Projects Foundation of Zhejiang under Grant 2017C03060. Corresponding author: Hongjie Ni.. IFAC-PapersOnLine, 2017, 50, 5881-5886.	0.5	2
72	Terrain Vision Aided Online Estimation of Instantaneous Centers of Rotation for Skid-Steering Mobile Robots. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
73	Event-Triggered Bipartite Consensus of Single-Integrator Multi-Agent Systems with Measurement Noise. <i>Journal of Control Science and Engineering</i> , 2018, 2018, 1-9.	0.8	2
74	Cluster consensus for coupled harmonic oscillators under a weighted cooperative-competitive network. <i>International Journal of Control</i> , 0, , 1-9.	1.2	2
75	Event-Triggered Adaptive Horizon Model Predictive Control for Perturbed Nonlinear Systems. , 2020, , .		2
76	Traded Control of Human-Machine Systems for Sequential Decision-Making Based on Reinforcement Learning. <i>IEEE Transactions on Artificial Intelligence</i> , 2022, 3, 553-566.	3.4	2
77	Detection of Distracted Driving Based on MultiGranularity and Middle-Level Features. , 2020, , .		2
78	Improved results on stability of Markovian jump systems with time-varying delays. , 2016, , .		1
79	A novel static PET image reconstruction method. , 2017, , .		1
80	Effects of transcranial direct current stimulation on brain network connectivity and complexity in motor imagery. <i>Neuroscience Letters</i> , 2021, 757, 135968.	1.0	1
81	Comparing the delay effects in different channels in packet-based networked control systems. , 2010, , .		0
82	PDV-based packet length allocation for networked control systems. , 2011, , .		0
83	Networked predictive control of Hammerstein systems. , 2014, , .		0
84	Fuzzy-logic based adaptive weighting filter for strap-down inertial navigation systems. , 2014, , .		0
85	Recent Advances on the Theory and Applications of Networked Control Systems. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-2.	0.6	0
86	Fusion approach for real-time mapping street atmospheric pollution concentration. , 2016, , .		0
87	Location problem for traffic emission monitors. , 2016, , .		0
88	Categorizing Attractor-Effective Canalizing Functions in Boolean Networks * *This work was supported in part by the National Natural Science Foundation of China under Grant 61673350, in part by the Thousand Talents Plan of China and Zhejiang, and in part by the Major Projects Foundation of Zhejiang under Grant 2017C03060. Corresponding author: Hongjie Ni.. <i>IFAC-PapersOnLine</i> , 2017, 50, 14746-14751.	0.5	0
89	Introduction to Markovian Jump Systems. , 2018, , 1-14.		0
90	System with Imprecise Jumping Parameters. , 2018, , 43-95.		0

#	ARTICLE	IF	CITATIONS
91	Networked Control System: A Markovian Jump System Approach. , 2018, , 131-147.		0
92	Classification-Based Control for Wireless Networked Control Systems with Lossy Multipacket Transmission. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 1667-1672.	0.8	0
93	Channel-Aware Scheduling for Multiple Control Systems with Packet-Based Control over Collision Channels. , 2019, , .		0
94	Model-Based Network Scheduling and Control for Systems over the IEEE 802.15.4 Network. Journal of Systems Science and Complexity, 2021, 34, 281-297.	1.6	0
95	A characteristic modeling method of error-free compression for nonlinear systems. Control Theory and Technology, 2021, 19, 375-383.	1.0	0
96	State Estimation with Multi-packet Transmission Over the Wireless Network. , 2018, , .		0
97	Synthesis of Wireless Networked Control System Based on Round-trip Delay Online Estimation. , 2020, , .		0
98	Autonomous Boundary of Human-Machine Collaboration System Based on Reinforcement Learning. , 2020, , .		0
99	Self-Triggered Model Predictive Control for Perturbed Nonlinear Systems: An Iterative Implementation. , 2021, , .		0