Yun-Bo Zhao

List of Publications by Year
in descending order

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	Compound Event-Triggered Distributed MPC for Coupled Nonlinear Systems. IEEE Transactions on Cybernetics, 2023, 53, 5572-5584.	6.2	4
2	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
3	Traded Control of Human–Machine Systems for Sequential Decision-Making Based on Reinforcement Learning. IEEE Transactions on Artificial Intelligence, 2022, 3, 553-566.	3.4	2
4	Networked Dual-Mode Adaptive Horizon MPC for Constrained Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7435-7449.	5.9	10
5	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
6	Predictive Event-Triggered Control for Disturbanced Wireless Networked Control Systems. Journal of Systems Science and Complexity, 2021, 34, 1028-1043.	1.6	5
7	A Novel Inertial-Visual Heading Determination System for Wheeled Mobile Robots. IEEE Transactions on Control Systems Technology, 2021, 29, 1758-1765.	3.2	9
8	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
9	Effect of muscle fatigue on the cortical-muscle network: A combined electroencephalogram and electromyogram study. Brain Research, 2021, 1752, 147221.	1.1	10
10	Simultaneous and Continuous Estimation of Joint Angles Based on Surface Electromyography State-Space Model. IEEE Sensors Journal, 2021, 21, 8089-8099.	2.4	16
11	Construction and analysis of cortical–muscular functional network based on EEG-EMG coherence using wavelet coherence. Neurocomputing, 2021, 438, 248-258.	3.5	12
12	Cortico-muscular functional network: an exploration of cortico-muscular coupling in hand movements. Journal of Neural Engineering, 2021, 18, 046084.	1.8	7
13	Effects of transcranial direct current stimulation on brain network connectivity and complexity in motor imagery. Neuroscience Letters, 2021, 757, 135968.	1.0	1
14	A characteristic modeling method of error-free compression for nonlinear systems. Control Theory and Technology, 2021, 19, 375-383.	1.0	0
15	Emotion-movement relationship: A study using functional brain network and cortico-muscular coupling. Journal of Neuroscience Methods, 2021, 362, 109320.	1.3	7
16	The Dynamics Characteristics of Flexible Spacecraft and its Closed-Loop Stability with Passive Control. Journal of Systems Science and Complexity, 2021, 34, 860-872.	1.6	10
17	Self-Triggered Model Predictive Control for Perturbed Nonlinear Systems: An Iterative Implementation. , 2021, , .		0
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	Robust model predictive control for constrained networked nonlinear systems: An approximation-based approach. Neurocomputing, 2020, 418, 56-65.	3.5	10
20	sEMG-MMG State-Space Model for the Continuous Estimation of Multijoint Angle. Complexity, 2020, 2020, 1-12.	0.9	4
21	Facial expression distribution prediction based on surface electromyography. Expert Systems With Applications, 2020, 161, 113683.	4.4	11
22	Feature Extraction of Surface Electromyography Based on Improved Small-World Leaky Echo State Network. Neural Computation, 2020, 32, 741-758.	1.3	4
23	Event-Triggered Adaptive Horizon Model Predictive Control for Perturbed Nonlinear Systems. , 2020, , .		2
24	Synthesis of Wireless Networked Control System Based on Round-trip Delay Online Estimation. , 2020, , .		0
25	Detection of Distracted Driving Based on MultiGranularity and Middle-Level Features. , 2020, , .		2
26	Autonomous Boundary of Human-Machine Collaboration System Based on Reinforcement Learning. , 2020, , .		0
27	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
28	Classificationâ€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
29	FVC: A Novel Nonmagnetic Compass. IEEE Transactions on Industrial Electronics, 2019, 66, 7810-7820.	5.2	8
30	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
31	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
32	Surface Electromyography-Based Daily Activity Recognition Using Wavelet Coherence Coefficient and Support Vector Machine. Neural Processing Letters, 2019, 50, 2265-2280.	2.0	14
33	HPILN: a feature learning framework for crossâ€modality person reâ€identification. IET Image Processing, 2019, 13, 2897-2904.	1.4	59
34	Channel-Aware Scheduling for Multiple Control Systems with Packet-Based Control over Collision Channels. , 2019, , .		0
35	Stochastic stabilisation of wireless networked control systems with lossy multiâ€packet transmission. IET Control Theory and Applications, 2019, 13, 594-601.	1.2	7
36	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

#	Article	IF	Citations
37	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
38	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
39	Bipartite Linear <i>Ï‡</i>‐Consensus of Double‐Integrator Multi‐Agent Systems With Measurement Noise. Asian Journal of Control, 2018, 20, 577-584.	1.9	15
40	Stochastic Stabilization of Packet-Based Networked Control Systems. , 2018, , 77-85.		6
41	Introduction to Markovian Jump Systems. , 2018, , 1-14.		0
42	System with Imprecise Jumping Parameters. , 2018, , 43-95.		0
43	Networked Control System: A Markovian Jump System Approach. , 2018, , 131-147.		0
44	Using Communication Networks in Control Systems: The Theoretical and Practical Challenges. Journal of Control Science and Engineering, 2018, 2018, 1-2.	0.8	5
45	Packet-Based Model Predictive Control for Networked Control Systems With Random Packet Losses. , 2018, , .		4
46	Terrain Vision Aided Online Estimation of Instantaneous Centers of Rotation for Skid-Steering Mobile Robots. , 2018, , .		2
47	Bipartite Consensus of Discrete-Time Double-Integrator Multi-Agent Systems with Measurement Noise. Journal of Systems Science and Complexity, 2018, 31, 1525-1540.	1.6	9
48	Event-Triggered Bipartite Consensus of Single-Integrator Multi-Agent Systems with Measurement Noise. Journal of Control Science and Engineering, 2018, 2018, 1-9.	0.8	2
49	Self-tuning asynchronous filter for linear Gaussian system and applications. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 1054-1061.	8.5	8
50	Discretization-based stabilization for a class of switched linear systems with communication delays. ISA Transactions, 2018, 80, 1-11.	3.1	8
51	State Estimation with Multi-packet Transmission Over the Wireless Network. , 2018, , .		0
52	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
53	A networked remote sensing system for on-road vehicle emission monitoring. Science China Information Sciences, 2017, 60, 1.	2.7	9
54	Dynamic event-triggered control for networked switched linear systems. , 2017, , .		5

#	Article	IF	Citations
55	Categorizing Attractor-Effective Canalyzing 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.. IFAC-PapersOnLine, 2017, 50, 14746-14751.	0.5	0
56	A novel static PET image reconstruction method. , 2017, , .		1
57	Bipartite consensus of integrator multiâ€agent systems with measurement noise. IET Control Theory and Applications, 2017, 11, 3313-3320.	1.2	24
58	Fusion approach for real-time mapping street atmospheric pollution concentration. , 2016, , .		0
59	Location problem for traffic emission monitors. , 2016, , .		0
60	Improved results on stability of Markovian jump systems with time-varying delays. , 2016, , .		1
61	Characteristic model based adaptive controller design and analysis for a class of SISO systems. Science China Information Sciences, 2016, 59, 1.	2.7	17
62	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
63	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
64	New Advances in Distributed Control of Large-Scale Systems. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	2
65	Networked Control Systems: The Communication Basics and Control Methodologies. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	21
66	Recent Advances on the Theory and Applications of Networked Control Systems. Mathematical Problems in Engineering, 2015, 2015, 1-2.	0.6	0
67	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
68	Networked predictive control of Hammerstein systems. , 2014, , .		0
69	Distributed HÂ-consensus filtering with sensor networks: a finite horizon solution. IMA Journal of Mathematical Control and Information, 2014, 31, 33-49.	1.1	9
70	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
71	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
72	Fuzzy-logic based adaptive weighting filter for strap-down inertial navigation systems. , 2014, , .		0

#	Article	IF	Citations
73	Stability Analysis of Nonlinear Switched Networked Control Systems with Periodical Packet Dropouts. Circuits, Systems, and Signal Processing, 2013, 32, 1931-1947.	1.2	15
74	On the delay effects of different channels in Internet-based networked control systems. International Journal of Systems Science, 2013, 44, 2119-2129.	3.7	7
75	Design, Analysis and Real-time Implementation of Networked Predictive Control Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2013, 39, 1769-1777.	1.5	14
76	Approximation of boolean networks. , 2012, , .		8
77	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
78	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
79	Offline model predictive control-based gain scheduling for networked control systems. IET Control Theory and Applications, 2012, 6, 2585-2591.	1.2	9
80	PDV-based packet length allocation for networked control systems. , 2011, , .		0
81	Model-based compensation for multi-packet transmission in networked control systems. , 2011, , .		5
82	Error Bounded Sensing for Packet-Based Networked Control Systems. IEEE Transactions on Industrial Electronics, 2011, 58, 1980-1989.	5.2	50
83	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
84	Packet-Based Deadband Control for Internet-Based Networked Control Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 1057-1067.	3.2	55
85	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
86	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
87	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
88	Comparing the delay effects in different channels in packet-based networked control systems. , 2010, , .		0
89	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
90	Stochastic stability analysis of packet-based networked control systems. , 2009, , .		2

#	Article	IF	Citations
91	Using deadband in packet-based networked control systems. , 2009, , .		2
92	Design of a Packet-Based Control Framework for Networked Control Systems. IEEE Transactions on Control Systems Technology, 2009, 17, 859-865.	3.2	124
93	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
94	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
95	Integrated predictive control and scheduling co-design for networked control systems. IET Control Theory and Applications, 2008, 2, 7-15.	1.2	74
96	Improved predictive control approach to networked control systems. IET Control Theory and Applications, 2008, 2, 675-681.	1.2	57
97	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
98	Robust Approximation-Based Event-Triggered MPC for Constrained Sampled-Data Systems. Journal of Systems Science and Complexity, 0, , 1.	1.6	3
99	Cluster consensus for coupled harmonic oscillators under a weighted cooperative-competitive network. International Journal of Control, 0, , 1-9.	1.2	2