Ye Yuan

List of Publications by Year in Descending Order

76 papers	1,846 citations	21 h-index	42 g-index
89 ext. papers	2,698 ext. citations	7.8 avg, IF	5.17 L-index

#	Paper	IF	Citations
76	Homecare-Oriented ECG Diagnosis with Large-scale Deep Neural Network for Continuous Monitoring on Embedded Devices. *IEEE Transactions on Instrumentation and Measurement*, **2022**, 1-1	5.2	3
75	Kinematic Control for Crossed-Fiber-Reinforced Soft Manipulator Using Sparse Bayesian Learning. *IEEE/ASME Transactions on Mechatronics*, **2022**, 611-622	5.5	1
74	Online identification of time-varying dynamical systems for industrial robots based on sparse Bayesian learning. *Science China Technological Sciences*, **2022**, 65, 386-395	3.5	0
73	A Transfer Learning-Based Method for Personalized State of Health Estimation of Lithium-Ion Batteries. *IEEE Transactions on Neural Networks and Learning Systems*, **2022**, 1-11	10.3	2
72	Modeling and Control of Swing Oscillation of Underactuated Indoor Miniature Autonomous Blimps. *Unmanned Systems*, **2021**, 09, 73-86	3	3
71	Li Yan et al. reply. *Nature Machine Intelligence*, **2021**, 3, 28-32	22.5	1
70	A Full Bayesian Approach to Sparse Network Inference Using Heterogeneous Datasets. *IEEE Transactions on Automatic Control*, **2021**, 66, 3282-3288	5.9	1
69	Reply to: Clinical interpretation of an interpretable prognostic model for patients with COVID-19. *Nature Machine Intelligence*, **2021**, 3, 17-17	22.5	1
68	Reply to: Consider the laboratory aspects in developing patient prediction models. *Nature Machine Intelligence*, **2021**, 3, 19-19	22.5	3
67	Swing-Reducing Flight Control System for an Underactuated Indoor Miniature Autonomous Blimp. *IEEE/ASME Transactions on Mechatronics*, **2021**, 26, 1895-1904	5.5	2
66	Data-driven network models for genetic circuits from time-series data with incomplete measurements. *Journal of the Royal Society Interface*, **2021**, 18, 20210413	4.1	1
65	An interpretable mortality prediction model for COVID-19 patients. *Nature Machine Intelligence*, **2020**, 2, 283-288	22.5	398
64	High precision variational Bayesian inference of sparse linear networks. *Automatica*, **2020**, 118, 109017	5.7	2
63	Wasserstein distance based deep adversarial transfer learning for intelligent fault diagnosis with unlabeled or insufficient labeled data. *Neurocomputing*, **2020**, 409, 35-45	5.4	65
62	Automatic multilabel electrocardiogram diagnosis of heart rhythm or conduction abnormalities with deep learning: a cohort study. *The Lancet Digital Health*, **2020**, 2, e348-e357	14.4	31
61	Sparse learning of network-reduced models for locating low frequency oscillations in power systems. *Applied Energy*, **2020**, 262, 114541	10.7	3
60	A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 1243-1254	5.5	51

59	Principled reward shaping for reinforcement learning via lyapunov stability theory. *Neurocomputing* , **2020**, 393, 83-90	5.4	9
58	Dynamical network size estimation from local observations. *New Journal of Physics*, **2020**, 22, 093031	2.9	1
57	Predictive Models of Mortality for Hospitalized Patients With COVID-19: Retrospective Cohort Study. *JMIR Medical Informatics*, **2020**, 8, e21788	3.6	4
56	State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model **2020**,		3
55	System Aliasing in Dynamic Network Reconstruction:Issues on Low Sampling Frequencies. *IEEE Transactions on Automatic Control*, **2020**, 1-1	5.9	0
54	Sequence-to-sequence prediction of spatiotemporal systems. *Chaos*, **2020**, 30, 023102	3.3	6
53	A general end-to-end diagnosis framework for manufacturing systems. *National Science Review*, **2020**, 7, 418-429	10.8	33
52	Security for cyber-physical systems: Secure control against known-plaintext attack. *Science China Technological Sciences*, **2020**, 63, 1637-1646	3.5	3
51	Development and Validation of a Prognostic Risk Score System for COVID-19 Inpatients: A Multi-Center Retrospective Study in China. *Engineering*, **2020**,	9.7	10
50	Data-Driven Discovery of Block-Oriented Nonlinear Models Using Sparse Null-Subspace Methods. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
49	State of AI-Based Monitoring in Smart Manufacturing and Introduction to Focused Section. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 2143-2154	5.5	24
48	A Fast Optimal Power Flow Algorithm Using Powerball Method. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 6993-7003	11.9	6
47	Bayesian Learning-Based Harmonic State Estimation in Distribution Systems With Smart Meter and DPMU Data. *IEEE Transactions on Smart Grid*, **2020**, 11, 832-845	10.7	36
46	Data driven discovery of cyber physical systems. *Nature Communications*, **2019**, 10, 4894	17.4	51
45	On Theoretical Analysis of Single Hidden Layer Feedforward Neural Networks with Relu Activations **2019**,		3
44	Ultrafast synchronization via local observation. *New Journal of Physics*, **2019**, 21, 013040	2.9	4
43	Dynamical differential expression (DyDE) reveals the period control mechanisms of the Arabidopsis circadian oscillator. *PLoS Computational Biology*, **2019**, 15, e1006674	5	10
42	A survey of distributed optimization. *Annual Reviews in Control*, **2019**, 47, 278-305	10.3	141

41	On the Powerball Method: Variants of Descent Methods for Accelerated Optimization **2019**, 3, 601-606		6
40	Sparse learning of partial differential equations with structured dictionary matrix. *Chaos*, **2019**, 29, 043130	3.3	11
39	Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. *Applied Energy*, **2019**, 253, 113626	10.7	100
38	On Identification of Distribution Grids. *IEEE Transactions on Control of Network Systems*, **2019**, 6, 950-960	4	39
37	Identification of Nonlinear State-Space Systems From Heterogeneous Datasets. *IEEE Transactions on Control of Network Systems*, **2018**, 5, 737-747	4	10
36	Self-indicating, fully active pharmaceutical ingredients nanoparticles (FAPIN) for multimodal imaging guided trimodality cancer therapy. *Biomaterials*, **2018**, 161, 203-215	15.6	22
35	Novel redox-responsive polymeric magnetosomes with tunable magnetic resonance property for drug release visualization and dual-modal cancer therapy. *Advanced Functional Materials*, **2018**, 28, 1802159	15.6	20
34	Encapsulation and solubilization of ultrastable quantum dots with multidentate bilayer ligands and rheological behaviour. *Nanoscale*, **2018**, 10, 20796-20803	7.7	4
33	A facile approach to fabricate self-assembled magnetic nanotheranostics for drug delivery and imaging. *Nanoscale*, **2018**, 10, 21634-21639	7.7	17
32	Trojan Horse nanotheranostics with dual transformability and multifunctionality for highly effective cancer treatment. *Nature Communications*, **2018**, 9, 3653	17.4	108
31	Distributed Hammerstein Modeling for Cross-Coupling Effect of Multiaxis Piezoelectric Micropositioning Stages. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 2794-2804	5.5	17
30	. *IEEE Transactions on Control of Network Systems*, **2017**, 4, 301-311	4	6
29	Electrospinning Sedimentary Microstructure Feedback Control by Tuning Substrate Linear Machine Velocity. *IEEE Transactions on Industrial Electronics*, **2017**, 64, 8686-8694	8.9	5
28	Colloidal stable quantum dots modified by dual functional group polymers for inkjet printing. *Journal of Materials Chemistry C*, **2017**, 5, 4629-4635	7.1	21
27	Network Identifiability from Intrinsic Noise. *IEEE Transactions on Automatic Control*, **2017**, 62, 3717-3728	5.9	16
26	On the powerball method **2017**,		2
25	Bayesian Learning-Based Model-Predictive Vibration Control for Thin-Walled Workpiece Machining Processes. *IEEE/ASME Transactions on Mechatronics*, **2017**, 22, 509-520	5.5	46
24	Event detection and localization in distribution grids with phasor measurement units **2017**,		20

23	A Sparse Bayesian Approach to the Identification of Nonlinear State-Space Systems. *IEEE Transactions on Automatic Control*, **2016**, 61, 182-187	5.9	63
22	Robust Stability Analysis of Active Voltage Control for High-power IGBT Switching by Kharitonov's Theorem. *IEEE Transactions on Power Electronics*, **2016**, 31, 2584-2595	7.2	27
21	Effects of poly-(p-phenylene terephthamide) powder coated with polydopamine on ethylene-propylene-diene-terpolymer grafted maleic anhydride. *Science China Chemistry*, **2016**, 59, 459-465	7.9	1
20	Scatheless active functionalized poly(p-phenylene terephthalamide) fibres and their outstanding potential in enhancing interface adhesion with polymer matrix. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	2
19	Online fault diagnosis for nonlinear power systems. *Automatica*, **2015**, 55, 27-36	5.7	30
18	**2015**,		2
17	A stochastic framework for the design of transient and steady state behavior of biochemical reaction networks **2015**,		3
16	Decentralised minimum-time average consensus in digraphs **2013**,		4
15	**2013**,		4
14	How Can Online Schedules Improve Communication and Estimation Tradeoff?. *IEEE Transactions on Signal Processing*, **2013**, 61, 1625-1631	4.8	27
13	Robust network reconstruction in polynomial time **2012**,		6
12	Reconstruction of arbitrary biochemical reaction networks: A compressive sensing approach **2012**,		17
11	Decentralised minimal-time dynamic consensus **2012**,		12
10	Quantifying crosstalk in biochemical systems **2012**,		8
9	Robust dynamical network structure reconstruction. *Automatica*, **2011**, 47, 1230-1235	5.7	81
8	Minimal-time network reconstruction for DTLTI systems **2010**,		2
7	Robust dynamical network reconstruction **2010**,		6
6	State estimation over a communication network: measurement or estimate communication?. *Journal of Control Theory and Applications*, **2010**, 8, 20-26		1

5	Decentralised final value theorem for discrete-time LTI systems with application to minimal-time distributed consensus **2009**,	11
4	Impact of heterogeneous link qualities and network connectivity on binary consensus **2009**,	7
3	Development and validation of a prognostic risk score system for COVID-19 inpatients: A multi-center retrospective study in China	3
2	A machine learning-based model for survival prediction in patients with severe COVID-19 infection	126
1	Data-driven discovery of a clinical route for severity detection of COVID-19 pediatric cases	15