

# Ye Yuan

## List of Publications by Citations

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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.

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 | An interpretable mortality prediction model for COVID-19 patients. <i>Nature Machine Intelligence</i> , <b>2020</b> , 2, 283-288   | 22.5 | 398       |
| 75 | A survey of distributed optimization. <i>Annual Reviews in Control</i> , <b>2019</b> , 47, 278-305   | 10.3 | 141       |
| 74 | A machine learning-based model for survival prediction in patients with severe COVID-19 infection  |      | 126       |
| 73 | Trojan Horse nanotheranostics with dual transformability and multifunctionality for highly effective cancer treatment. <i>Nature Communications</i> , <b>2018</b> , 9, 3653                    | 17.4 | 108       |
| 72 | Remaining useful life prediction of lithium-ion batteries based on false nearest neighbors and a hybrid neural network. <i>Applied Energy</i> , <b>2019</b> , 253, 113626                      | 10.7 | 100       |
| 71 | Robust dynamical network structure reconstruction. <i>Automatica</i> , <b>2011</b> , 47, 1230-1235   | 5.7  | 81        |
| 70 | Wasserstein distance based deep adversarial transfer learning for intelligent fault diagnosis with unlabeled or insufficient labeled data. <i>Neurocomputing</i> , <b>2020</b> , 409, 35-45    | 5.4  | 65        |
| 69 | A Sparse Bayesian Approach to the Identification of Nonlinear State-Space Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2016</b> , 61, 182-187                                   | 5.9  | 63        |
| 68 | Data driven discovery of cyber physical systems. <i>Nature Communications</i> , <b>2019</b> , 10, 4894   | 17.4 | 51        |
| 67 | A Deep Learning-Based Remaining Useful Life Prediction Approach for Bearings. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 1243-1254                                      | 5.5  | 51        |
| 66 | Bayesian Learning-Based Model-Predictive Vibration Control for Thin-Walled Workpiece Machining Processes. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2017</b> , 22, 509-520            | 5.5  | 46        |
| 65 | On Identification of Distribution Grids. <i>IEEE Transactions on Control of Network Systems</i> , <b>2019</b> , 6, 950-960   |      | 39        |
| 64 | Bayesian Learning-Based Harmonic State Estimation in Distribution Systems With Smart Meter and DPMU Data. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 832-845                   | 10.7 | 36        |
| 63 | A general end-to-end diagnosis framework for manufacturing systems. <i>National Science Review</i> , <b>2020</b> , 7, 418-429  | 10.8 | 33        |
| 62 | Automatic multilabel electrocardiogram diagnosis of heart rhythm or conduction abnormalities with deep learning: a cohort study. <i>The Lancet Digital Health</i> , <b>2020</b> , 2, e348-e357 | 14.4 | 31        |
| 61 | Online fault diagnosis for nonlinear power systems. <i>Automatica</i> , <b>2015</b> , 55, 27-36  | 5.7  | 30        |
| 60 | Robust Stability Analysis of Active Voltage Control for High-power IGBT Switching by Kharitonov's Theorem. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 2584-2595         | 7.2  | 27        |

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|----|---|------|----|
| 59 | How Can Online Schedules Improve Communication and Estimation Tradeoff?. <i>IEEE Transactions on Signal Processing</i> , <b>2013</b> , 61, 1625-1631  | 4.8  | 27 |
| 58 | State of AI-Based Monitoring in Smart Manufacturing and Introduction to Focused Section. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 2143-2154  | 5.5  | 24 |
| 57 | Self-indicating, fully active pharmaceutical ingredients nanoparticles (FAPIN) for multimodal imaging guided trimodality cancer therapy. <i>Biomaterials</i> , <b>2018</b> , 161, 203-215                             | 15.6 | 22 |
| 56 | Colloidal stable quantum dots modified by dual functional group polymers for inkjet printing. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4629-4635  | 7.1  | 21 |
| 55 | Novel redox-responsive polymeric magnetosomes with tunable magnetic resonance property for drug release visualization and dual-modal cancer therapy. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802159 | 15.6 | 20 |
| 54 | Event detection and localization in distribution grids with phasor measurement units <b>2017</b> ,  |      | 20 |
| 53 | Reconstruction of arbitrary biochemical reaction networks: A compressive sensing approach <b>2012</b> ,   |      | 17 |
| 52 | A facile approach to fabricate self-assembled magnetic nanotheranostics for drug delivery and imaging. <i>Nanoscale</i> , <b>2018</b> , 10, 21634-21639   | 7.7  | 17 |
| 51 | Distributed Hammerstein Modeling for Cross-Coupling Effect of Multiaxis Piezoelectric Micropositioning Stages. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2018</b> , 23, 2794-2804                            | 5.5  | 17 |
| 50 | Network Identifiability from Intrinsic Noise. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3717-3728   | 5.9  | 16 |
| 49 | Data-driven discovery of a clinical route for severity detection of COVID-19 pediatric cases  |      | 15 |
| 48 | Decentralised minimal-time dynamic consensus <b>2012</b> ,  |      | 12 |
| 47 | Sparse learning of partial differential equations with structured dictionary matrix. <i>Chaos</i> , <b>2019</b> , 29, 043130  | 3.9  | 11 |
| 46 | Decentralised final value theorem for discrete-time LTI systems with application to minimal-time distributed consensus <b>2009</b> ,  |      | 11 |
| 45 | Dynamical differential expression (DyDE) reveals the period control mechanisms of the Arabidopsis circadian oscillator. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1006674                                | 5    | 10 |
| 44 | Identification of Nonlinear State-Space Systems From Heterogeneous Datasets. <i>IEEE Transactions on Control of Network Systems</i> , <b>2018</b> , 5, 737-747  | 4    | 10 |
| 43 | Development and Validation of a Prognostic Risk Score System for COVID-19 Inpatients: A Multi-Center Retrospective Study in China. <i>Engineering</i> , <b>2020</b> ,   | 9.7  | 10 |
| 42 | Principled reward shaping for reinforcement learning via lyapunov stability theory. <i>Neurocomputing</i> , <b>2020</b> , 393, 83-90  | 5.4  | 9  |

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|----|---|------|---|
| 41 | Quantifying crosstalk in biochemical systems <b>2012</b> ,  |      | 8 |
| 40 | Impact of heterogeneous link qualities and network connectivity on binary consensus <b>2009</b> ,   |      | 7 |
| 39 | . <i>IEEE Transactions on Control of Network Systems</i> , <b>2017</b> , 4, 301-311   | 4    | 6 |
| 38 | On the Powerball Method: Variants of Descent Methods for Accelerated Optimization <b>2019</b> , 3, 601-606  |      | 6 |
| 37 | Robust dynamical network reconstruction <b>2010</b> ,   |      | 6 |
| 36 | Robust network reconstruction in polynomial time <b>2012</b> ,  |      | 6 |
| 35 | Sequence-to-sequence prediction of spatiotemporal systems. <i>Chaos</i> , <b>2020</b> , 30, 023102  | 3.3  | 6 |
| 34 | A Fast Optimal Power Flow Algorithm Using Powerball Method. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6993-7003  | 11.9 | 6 |
| 33 | Electrospinning Sedimentary Microstructure Feedback Control by Tuning Substrate Linear Machine Velocity. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 8686-8694           | 8.9  | 5 |
| 32 | Ultrafast synchronization via local observation. <i>New Journal of Physics</i> , <b>2019</b> , 21, 013040   | 2.9  | 4 |
| 31 | Decentralised minimum-time average consensus in digraphs <b>2013</b> ,  |      | 4 |
| 30 | <b>2013</b> ,   |      | 4 |
| 29 | Predictive Models of Mortality for Hospitalized Patients With COVID-19: Retrospective Cohort Study. <i>JMIR Medical Informatics</i> , <b>2020</b> , 8, e21788                                       | 3.6  | 4 |
| 28 | Encapsulation and solubilization of ultrastable quantum dots with multidentate bilayer ligands and rheological behaviour. <i>Nanoscale</i> , <b>2018</b> , 10, 20796-20803                          | 7.7  | 4 |
| 27 | On Theoretical Analysis of Single Hidden Layer Feedforward Neural Networks with Relu Activations <b>2019</b> ,  |      | 3 |
| 26 | Sparse learning of network-reduced models for locating low frequency oscillations in power systems. <i>Applied Energy</i> , <b>2020</b> , 262, 114541   | 10.7 | 3 |
| 25 | A stochastic framework for the design of transient and steady state behavior of biochemical reaction networks <b>2015</b> ,   |      | 3 |
| 24 | Homecare-Oriented ECG Diagnosis with Large-scale Deep Neural Network for Continuous Monitoring on Embedded Devices. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2022</b> , 1-1 | 5.2  | 3 |

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|----|---|------|---|
| 23 | Development and validation of a prognostic risk score system for COVID-19 inpatients: A multi-center retrospective study in China   |      | 3 |
| 22 | State of health estimation for lithium-ion batteries with dynamic time warping and deep kernel learning model <b>2020</b> ,   |      | 3 |
| 21 | Security for cyber-physical systems: Secure control against known-plaintext attack. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 1637-1646   | 3.5  | 3 |
| 20 | Modeling and Control of Swing Oscillation of Underactuated Indoor Miniature Autonomous Blimps. <i>Unmanned Systems</i> , <b>2021</b> , 09, 73-86  | 3    | 3 |
| 19 | Reply to: Consider the laboratory aspects in developing patient prediction models. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 19-19  | 22.5 | 3 |
| 18 | High precision variational Bayesian inference of sparse linear networks. <i>Automatica</i> , <b>2020</b> , 118, 109017  | 5.7  | 2 |
| 17 | On the powerball method <b>2017</b> ,   |      | 2 |
| 16 | <b>2015</b> ,   |      | 2 |
| 15 | Minimal-time network reconstruction for DTLTI systems <b>2010</b> ,   |      | 2 |
| 14 | Data-Driven Discovery of Block-Oriented Nonlinear Models Using Sparse Null-Subspace Methods. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,  | 10.2 | 2 |
| 13 | Scatheless active functionalized poly(p-phenylene terephthalamide) fibres and their outstanding potential in enhancing interface adhesion with polymer matrix. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a | 2.9  | 2 |
| 12 | Swing-Reducing Flight Control System for an Underactuated Indoor Miniature Autonomous Blimp. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2021</b> , 26, 1895-1904  | 5.5  | 2 |
| 11 | A Transfer Learning-Based Method for Personalized State of Health Estimation of Lithium-Ion Batteries. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-11  | 10.3 | 2 |
| 10 | Effects of poly-(p-phenylene terephthamide) powder coated with polydopamine on ethylene-propylene-diene-terpolymer grafted maleic anhydride. <i>Science China Chemistry</i> , <b>2016</b> , 59, 459-463                               | 7.9  | 1 |
| 9  | State estimation over a communication network: measurement or estimate communication?. <i>Journal of Control Theory and Applications</i> , <b>2010</b> , 8, 20-26   |      | 1 |
| 8  | Dynamical network size estimation from local observations. <i>New Journal of Physics</i> , <b>2020</b> , 22, 093031   | 2.9  | 1 |
| 7  | Li Yan et al. reply. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 28-32  | 22.5 | 1 |
| 6  | A Full Bayesian Approach to Sparse Network Inference Using Heterogeneous Datasets. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 66, 3282-3288  | 5.9  | 1 |

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|---|--|------|---|
| 5 | Reply to: Clinical interpretation of an interpretable prognostic model for patients with COVID-19. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 17-17                           | 22.5 | 1 |
| 4 | Data-driven network models for genetic circuits from time-series data with incomplete measurements. <i>Journal of the Royal Society Interface</i> , <b>2021</b> , 18, 20210413           | 4.1  | 1 |
| 3 | Kinematic Control for Crossed-Fiber-Reinforced Soft Manipulator Using Sparse Bayesian Learning. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 611-622                    | 5.5  | 1 |
| 2 | System Aliasing in Dynamic Network Reconstruction: Issues on Low Sampling Frequencies. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 1-1                                 | 5.9  | 0 |
| 1 | Online identification of time-varying dynamical systems for industrial robots based on sparse Bayesian learning. <i>Science China Technological Sciences</i> , <b>2022</b> , 65, 386-395 | 3.5  | 0 |