

Tianhong H Pan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Plantwide Control of CO ₂ Capture by Absorption and Stripping Using Monoethanolamine Solution. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 1338-1345.	1.8	84
2	Cytotoxicity assessment based on the AUC50 using multi-concentration time-dependent cellular response curves. <i>Analytica Chimica Acta</i> , 2013, 764, 44-52.	2.6	39
3	Survey on Run-to-Run Control Algorithms in High-Mix Semiconductor Manufacturing Processes. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 1435-1444.	7.2	32
4	A Virtual Metrology System for Predicting End-of-Line Electrical Properties Using a MANCOVA Model With Tools Clustering. <i>IEEE Transactions on Industrial Informatics</i> , 2011, 7, 187-195.	7.2	25
5	Statistical multi-model approach for performance assessment of cooling tower. <i>Energy Conversion and Management</i> , 2011, 52, 1377-1385.	4.4	24
6	In vitro cytotoxicity assessment based on KC50 with real-time cell analyzer (RTCA) assay. <i>Computational Biology and Chemistry</i> , 2013, 47, 113-120.	1.1	23
7	Development of a Novel Soft Sensor Using a Local Model Network with an Adaptive Subtractive Clustering Approach. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4738-4747.	1.8	21
8	System Identification of the PEMFCs based on Balanced Manta-Ray Foraging Optimization algorithm. <i>Energy Reports</i> , 2020, 6, 2887-2896.	2.5	18
9	Efficiency improvement of cogeneration system using statistical model. <i>Energy Conversion and Management</i> , 2013, 68, 169-176.	4.4	16
10	A G&P EWMA algorithm for high-mix semiconductor manufacturing processes. <i>Journal of Process Control</i> , 2011, 21, 28-35.	1.7	15
11	A Miniaturized Marchand Balun in CMOS With Improved Balance for Millimeter-Wave Applications. <i>IEEE Microwave and Wireless Components Letters</i> , 2014, 24, 53-55.	2.0	15
12	An Extended State Observer-Based Run to Run Control for Semiconductor Manufacturing Processes. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2019, 32, 154-162.	1.4	15
13	Comprehensive evaluation of urban air quality using the relative entropy theory and improved TOPSIS method. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 251-258.	1.5	15
14	Sparse Bayesian learning approach for baseline correction. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 204, 104088.	1.8	14
15	Mode of action classification of chemicals using multi-concentration time-dependent cellular response profiles. <i>Computational Biology and Chemistry</i> , 2014, 49, 23-35.	1.1	13
16	Estimation of tea quality grade using statistical identification of key variables. <i>Food Control</i> , 2021, 119, 107485.	2.8	13
17	Electricity Gain via Integrated Operation of Turbine Generator and Cooling Tower Using Local Model Network. <i>IEEE Transactions on Energy Conversion</i> , 2011, 26, 245-255.	3.7	12
18	Recognition of chemical compounds in contaminated water using time-dependent multiple dose cellular responses. <i>Analytica Chimica Acta</i> , 2012, 724, 30-39.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Identification of Wiener systems based on the variable forgetting factor multierror stochastic gradient and the key term separation. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2537-2549.	2.3	11
20	An Online Multi-model Identification Algorithm Based on Subtractive Clustering. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 220-224.	0.3	11
21	Multi-model recursive identification for nonlinear systems with non-uniformly sampling. Cluster Computing, 2017, 20, 25-32.	3.5	10
22	Variable knot-based spline approximation recursive Bayesian algorithm for the identification of Wiener systems with process noise. Nonlinear Dynamics, 2017, 90, 2293-2303.	2.7	10
23	A gender classification method for Chinese mitten crab using deep convolutional neural network. Multimedia Tools and Applications, 2020, 79, 7669-7684.	2.6	10
24	Non-invasive quality analysis of thawed tuna using near infrared spectroscopy with baseline correction. Journal of Food Process Engineering, 2020, 43, e13445.	1.5	10
25	Fault diagnosis of electro-hydraulic servo valve using extreme learning machine. International Transactions on Electrical Energy Systems, 2020, 30, e12419.	1.2	10
26	High-throughput screening assay for the environmental water samples using cellular response profiles. Ecotoxicology and Environmental Safety, 2015, 114, 134-142.	2.9	9
27	Recursive Bayesian Algorithm with Covariance Resetting for Identification of Box-Jenkins Systems with Non-uniformly Sampled Input Data. Circuits, Systems, and Signal Processing, 2016, 35, 919-932.	1.2	9
28	Model Calibration Method for Soft Sensors Using Adaptive Gaussian Process Regression. IEEE Access, 2019, 7, 168436-168443.	2.6	9
29	Development of an Engine Calibration Model Using Gaussian Process Regression. International Journal of Automotive Technology, 2021, 22, 327-334.	0.7	9
30	Development of a soft sensor for processes with multiple operating regimes using adaptive multi-state partial least squares regression. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 20-28.	2.7	8
31	Explicit model predictive control of permanent magnet synchronous motors based on multi-point linearization. Transactions of the Institute of Measurement and Control, 2021, 43, 2872-2881.	1.1	8
32	Optimized convolutional pose machine for 2D hand pose estimation. Journal of Visual Communication and Image Representation, 2022, 83, 103461.	1.7	8
33	Development of a calibration model for near infrared spectroscopy using a convolutional neural network. Journal of Near Infrared Spectroscopy, 2022, 30, 89-96.	0.8	8
34	Chamber Matching of Semiconductor Manufacturing Process Using Statistical Analysis. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 571-576.	3.3	6
35	Run-to-run control for semiconductor manufacturing processes using extended state observer. , 2016, , .		6
36	Development of co-training support vector machine model for semi-supervised classification. , 2017, , .		6

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37	A Harmonic Detection Method for Distributed Generation Connected Grid System Using DWT and HHT. Journal of Electrical Engineering and Technology, 2019, 14, 1495-1503.	1.2	6
38	A Data-Driven Soft Sensing Approach Using Modified Subspace Identification With Limited Iterative Expectation-Maximization. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9272-9283.	2.4	6
39	An Adaptive-Tuning Scheme for G&P EWMA Run-to-Run Control. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 230-237.	1.4	5
40	Analysis of inter-/intra-E-plate repeatability in the real-time cell analyzer. Analytical Biochemistry, 2015, 477, 98-104.	1.1	5
41	Recursive Bayesian Algorithm for Identification of Systems with Non-uniformly Sampled Input Data. International Journal of Automation and Computing, 2018, 15, 335-344.	4.5	5
42	Fast Burst-Sparsity Learning-Based Baseline Correction (FBSL-BC) Algorithm for Signals of Analytical Instruments. Analytical Chemistry, 2022, 94, 5113-5121.	3.2	5
43	High-throughput quantitative analysis with cell growth kinetic curves for low copy number mutant cells. Analytical and Bioanalytical Chemistry, 2012, 404, 2033-2041.	1.9	4
44	Identification of non-uniformly sampled Wiener systems with dead-zone non-linearities. Mathematical and Computer Modelling of Dynamical Systems, 2017, 23, 595-612.	1.4	4
45	Development of Physiological Parameters Monitoring System using the Internet of Things. International Journal of Online Engineering, 2017, 13, 87.	0.5	4
46	A Novel Edge Effect Detection Method for Real-Time Cellular Analyzer Using Functional Principal Component Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	1.9	4
47	Design of a run-to-run controller based on discrete sliding mode observer. Asian Journal of Control, 2021, 23, 908-919.	1.9	4
48	Identification Of Grain Mildewing With ANN Pattern Recognition Software Based On VB And Matlab. , 2008, , .		3
49	Genetic Neural Network and Its Application in Recognition of Tire Code. , 2008, , .		3
50	The Research on Reliability of Wireless Sensors Network. , 2008, , .		3
51	Recursive Bayesian state estimation method for run-to-run control in high-mixed semiconductor manufacturing process. Asian Journal of Control, 2020, 22, 1177-1187.	1.9	3
52	Active disturbance rejection control for discrete systems with zero dynamics. International Journal of Robust and Nonlinear Control, 2021, 31, 5298-5311.	2.1	3
53	Structural Optimization of Compact Spherical Wind-Solar Hybrid Power System. Journal of Electrical Engineering and Technology, 2021, 16, 2433-2446.	1.2	3
54	Sparse Reconstruction Using Block Sparse Bayesian Learning With Fast Marginalized Likelihood Maximization for Near-Infrared Spectroscopy. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	3

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55	A QUOTA-DDPG Controller for Run-to-Run Control. , 2021, , .		3
56	Identification of Speed and Tension for Multi-Motor Synchronous System Based on LMN. , 2008, , .		2
57	Mixed-product Run to Run Control Algorithm using Bayesian method. , 2014, , .		2
58	Ridge-Adding Homotopy Approach for l_1 -norm Minimization Problems. IEICE Transactions on Information and Systems, 2020, E103.D, 1380-1387.	0.4	2
59	Development of analytical method associating near-infrared spectroscopy with one-dimensional convolution neural network: a case study. Journal of Food Measurement and Characterization, 2021, 15, 2963-2973.	1.6	2
60	Development of Double Closed-loop Vector Control Using Model Predictive Control for Permanent Magnet Synchronous Motor. Journal of Control, Automation and Electrical Systems, 2021, 32, 774-785.	1.2	2
61	Functional principal component analysis for near-infrared spectral data: a case study on Tricholoma matsutakeis. International Journal of Food Engineering, 2020, 16, .	0.7	2
62	Evaluation of the physicochemical content and solid-state fermentation stage of Zhenjiang aromatic vinegar using near-infrared spectroscopy. International Journal of Food Engineering, 2020, 16, .	0.7	2
63	A structure-improved extended state observer for active disturbance rejection control. , 2020, , .		2
64	Geographical origin of green tea identification using LASSO and ANOVA. Food Science and Technology, 0, 42, .	0.8	2
65	Virtual metrology algorithm for TFT-LCD manufacturing process. , 2011, , .		1
66	Robust Stability of Uncertain Systems over Network with Bounded Packet Loss. Journal of Applied Mathematics, 2012, 2012, 1-11.	0.4	1
67	Statistical key variable analysis and model-based control for improvement performance in a deep reactive ion etching process. Journal of Semiconductors, 2012, 33, 066002.	2.0	1
68	Pattern recognition for cytotoxicity mode of action (MOA) of chemicals by using a high-throughput real-time cell analyzer. RSC Advances, 2016, 6, 111718-111728.	1.7	1
69	Edge effect detection for real-time cellular analyzer using statistical analysis. RSC Advances, 2017, 7, 20833-20839.	1.7	1
70	R2R controller design using T-S fuzzy model and Extended State Observer. , 2017, , .		1
71	Reheated steam temperature control in thermal power plant using integral-linear active disturbance rejection control. , 2017, , .		1
72	Batch process modeling by using temporal feature and Gaussian mixture model. Transactions of the Institute of Measurement and Control, 2020, 42, 1204-1214.	1.1	1

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73	Active Disturbance Rejection Control for Discrete Systems. , 2020, , .		1
74	Quantitative near infrared spectroscopic analysis of <i>Tricholoma matsutake</i> based on information extraction using the elastic net. Journal of Near Infrared Spectroscopy, 2020, 28, 125-132.	0.8	1
75	Identification of Wiener Model with Internal Noise Using a Cubic Spline Approximation-Bayesian Composite Quantile Regression Algorithm. Complexity, 2020, 2020, 1-8.	0.9	1
76	Flatness-Based Discrete Active Disturbance Rejection Control for the Flexible Transmission System. Journal of Control, Automation and Electrical Systems, 2021, 32, 1746-1757.	1.2	1
77	Model Identification of Piecewise Affine (PWA) Systems Based on Fuzzy Cluster. Zidonghua Xuebao/Acta Automatica Sinica, 2007, 33, 0327.	0.3	1
78	Development of Economic Model Predictive Control for Permanent Magnet Synchronous Motor. , 2020, , .		1
79	SOSM Controller Design for Output Constrained Systems Subject to Disturbances With Unknown Magnitudes. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3799-3803.	2.2	1
80	A Monitoring System of Photovoltaic Array Based on ZigBee Technology. , 2010, , .		0
81	Plantwide control of CO ₂ capture by absorption and stripping using monoethanolamine solution. , 2011, , .		0
82	A new cytotoxicity assessment method using concentration & time cellular response curves. , 2014, , .		0
83	Double EWMA controller for semiconductor manufacturing processes with time-varying metrology delay. , 2015, , .		0
84	Just-in-time learning algorithm using the improved similarity index. , 2016, , .		0
85	Chemical Recognition using the Time-dependent Cellular Response Profiles**The work was supported by the National Nature Science Foundation of China [grant number 61273142], the Priority Academic Program Development of Jiangsu Higher Education Institutions (PAPD) and Foundation for Six Talents by Jiangsu Province [grant number 2012-DZXX-0451]. IFAC-PapersOnline, 2016, 49, 195-199.	0.5	0
86	Predicting GHS toxicity using RTCA and discrete-time Fourier transform. Journal of Bioinformatics and Computational Biology, 2016, 14, 1650004.	0.3	0
87	Multiple model predictive control with undisturbed switch for wind turbines system. , 2017, , .		0
88	Pattern recognition of chemical compounds using multiple dose-response curves. International Journal of Data Mining and Bioinformatics, 2017, 19, 97.	0.1	0
89	Edge Effect Detection for Real-time Cellular Analyzer using Functional Principal Component Analysis. , 2018, , .		0
90	A Gaussian Mixture Model Algorithm Using the Temporal Information. , 2018, , .		0

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91	Development of Metal Polishing Dust Monitoring System using the Internet of Things and Cloud Server. International Journal of Online and Biomedical Engineering, 2019, 15, 53.	0.9	0
92	Finite-time control for a class of high-order stochastic nonlinear systems with output constraints. , 2019, , .		0
93	Development of Multi-model for Cogeneration System Using Statistical Analysis. Journal of Computers, 2014, 9, .	0.4	0
94	Identification of the Wiener System Based on Instrumental Variables. Lecture Notes in Electrical Engineering, 2020, , 133-140.	0.3	0
95	Development of a Soft Sensor using Subspace Identification. , 2020, , .		0
96	A Fault Diagnosis Method using Convolutional Neural Network with Visualized Samples. , 2021, , .		0
97	Constrained Explicit Model Predictive Control with Load State Observer for PMSM Drive System. , 2021, , .		0
98	Feature Extraction From Spectroscopy Using LASSO and Net Analyte Signal. IEEE Sensors Journal, 2022, 22, 12997-13004.	2.4	0