

Gao, Furong

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191
papers

6,542
citations

42
h-index

73
g-index

197
ext. papers

7,947
ext. citations

4.6
avg. IF

6.63
L-index

#	Paper	IF	Citations
191	Review of Recent Research on Data-Based Process Monitoring. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 3543-3562	3.9	657
190	Survey on iterative learning control, repetitive control, and run-to-run control. <i>Journal of Process Control</i> , 2009 , 19, 1589-1600	3.9	477
189	Sub-PCA modeling and on-line monitoring strategy for batch processes. <i>AIChE Journal</i> , 2004 , 50, 255-259	3.6	199
188	A survey on multistage/multiphase statistical modeling methods for batch processes. <i>Annual Reviews in Control</i> , 2009 , 33, 172-183	10.3	175
187	Robust iterative learning control with applications to injection molding process. <i>Chemical Engineering Science</i> , 2001 , 56, 7025-7034	4.4	154
186	Robust design of integrated feedback and iterative learning control of a batch process based on a 2D Roesser system. <i>Journal of Process Control</i> , 2005 , 15, 907-924	3.9	145
185	A fast estimation algorithm for lithium-ion battery state of health. <i>Journal of Power Sources</i> , 2018 , 396, 453-458	8.9	137
184	Review and big data perspectives on robust data mining approaches for industrial process modeling with outliers and missing data. <i>Annual Reviews in Control</i> , 2018 , 46, 107-133	10.3	121
183	Stage-Based Process Analysis and Quality Prediction for Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3547-3555	3.9	107
182	Iterative learning model predictive control for multi-phase batch processes. <i>Journal of Process Control</i> , 2008 , 18, 543-557	3.9	101
181	A novel framework for Lithium-ion battery modeling considering uncertainties of temperature and aging. <i>Energy Conversion and Management</i> , 2019 , 180, 162-170	10.6	99
180	Batch process monitoring based on support vector data description method. <i>Journal of Process Control</i> , 2011 , 21, 949-959	3.9	97
179	Iterative Learning Fault-Tolerant Control for Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 9050-9060	3.9	96
178	Adaptive control of the filling velocity of thermoplastics injection molding. <i>Control Engineering Practice</i> , 2000 , 8, 1285-1296	3.9	88
177	IMC-based iterative learning control for batch processes with uncertain time delay. <i>Journal of Process Control</i> , 2010 , 20, 173-180	3.9	84
176	Mixture probabilistic PCR model for soft sensing of multimode processes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 105, 91-105	3.8	82
175	Robust two-dimensional iterative learning control for batch processes with state delay and time-varying uncertainties. <i>Chemical Engineering Science</i> , 2010 , 65, 6134-6144	4.4	81

174	Single-cycle and multi-cycle generalized 2D model predictive iterative learning control (2D-GPILC) schemes for batch processes. <i>Journal of Process Control</i> , 2007 , 17, 715-727	3.9	80
173	Model Migration Neural Network for Predicting Battery Aging Trajectories. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 363-374	7.6	77
172	New Minmax Linear Quadratic Fault-Tolerant Tracking Control for Batch Processes. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3045-3051	5.9	77
171	Two-dimensional dynamic PCA for batch process monitoring. <i>AIChE Journal</i> , 2005 , 51, 3300-3304	3.6	71
170	Linearity Evaluation and Variable Subset Partition Based Hierarchical Process Modeling and Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 2683-2692	8.9	70
169	Robust delay dependent iterative learning fault-tolerant control for batch processes with state delay and actuator failures. <i>Journal of Process Control</i> , 2012 , 22, 1273-1286	3.9	69
168	. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 842-854	4.8	68
167	Robust iterative learning control design for batch processes with uncertain perturbations and initialization. <i>AIChE Journal</i> , 2006 , 52, 2171-2187	3.6	63
166	Injection molding product weight: Online prediction and control based on a nonlinear principal component regression model. <i>Polymer Engineering and Science</i> , 2006 , 46, 540-548	2.3	60
165	Enhanced IMC design of load disturbance rejection for integrating and unstable processes with slow dynamics. <i>ISA Transactions</i> , 2011 , 50, 239-48	5.5	57
164	Cycle-to-cycle and within-cycle adaptive control of nozzle pressure during packing-holding for thermoplastic injection molding. <i>Polymer Engineering and Science</i> , 1999 , 39, 2042-2063	2.3	56
163	Aging trajectory prediction for lithium-ion batteries via model migration and Bayesian Monte Carlo method. <i>Applied Energy</i> , 2019 , 254, 113591	10.7	55
162	Nonlinear Monotonically Convergent Iterative Learning Control for Batch Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 5826-5836	8.9	53
161	Temperature Control of Industrial Coke Furnace Using Novel State Space Model Predictive Control. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 2084-2092	11.9	50
160	Load-responsive model switching estimation for state of charge of lithium-ion batteries. <i>Applied Energy</i> , 2019 , 238, 423-434	10.7	47
159	Fault Subspace Selection Approach Combined With Analysis of Relative Changes for Reconstruction Modeling and Multifault Diagnosis. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 928-939	4.8	47
158	Observer based battery SOC estimation: Using multi-gain-switching approach. <i>Applied Energy</i> , 2017 , 204, 1275-1283	10.7	46
157	Data-Driven Batch-End Quality Modeling and Monitoring Based on Optimized Sparse Partial Least Squares. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 4098-4107	8.9	45

156	Design of 2D controller for batch processes with uncertainties and interval time-varying delays. <i>Control Engineering Practice</i> , 2013 , 21, 1321-1333	3.9	44
155	Statistical analysis and online monitoring for handling multiphase batch processes with varying durations. <i>Journal of Process Control</i> , 2011 , 21, 817-829	3.9	44
154	A Sparse Reconstruction Strategy for Online Fault Diagnosis in Nonstationary Processes with No a Priori Fault Information. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6993-7008	3.9	43
153	State space model predictive fault-tolerant control for batch processes with partial actuator failure. <i>Journal of Process Control</i> , 2014 , 24, 613-620	3.9	43
152	Delay-range-dependent robust 2D iterative learning control for batch processes with state delay and uncertainties. <i>Journal of Process Control</i> , 2013 , 23, 715-730	3.9	43
151	Multivariate Statistical Monitoring of Key Operation Units of Batch Processes Based on Time-Slice CCA. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1368-1375	4.8	43
150	Utilizing transition information in online quality prediction of multiphase batch processes. <i>Journal of Process Control</i> , 2012 , 22, 599-611	3.9	42
149	Model migration based battery power capability evaluation considering uncertainties of temperature and aging. <i>Journal of Power Sources</i> , 2019 , 440, 227141	8.9	41
148	A New Approach of Takagi-Sugeno Fuzzy Modeling Using an Improved Genetic Algorithm Optimization for Oxygen Content in a Coke Furnace. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 6465-6474	3.9	40
147	Predictive Functional Control for Linear Systems under Partial Actuator Faults and Application on an Injection Molding Batch Process. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 723-731	3.9	39
146	Integrated Design and Structure Analysis of Robust Iterative Learning Control System Based on a Two-Dimensional Model. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 8095-8105	3.9	39
145	Run-to-Run Control for Active Balancing of Lithium Iron Phosphate Battery Packs. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 1499-1512	7.2	39
144	Fuzzy Iterative Learning Control for Batch Processes with Interval Time-Varying Delays. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 3993-4001	3.9	38
143	Multivariable decoupling predictive functional control with non-zero pole cancellation and state weighting: Application on chamber pressure in a coke furnace. <i>Chemical Engineering Science</i> , 2013 , 94, 30-43	4.4	38
142	Process similarity and developing new process models through migration. <i>AIChE Journal</i> , 2009 , 55, 2318-2328	3.2	38
141	Iterative learning reliable control of batch processes with sensor faults. <i>Chemical Engineering Science</i> , 2008 , 63, 1039-1051	4.4	38
140	. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 2157-2164	4.8	37
139	Robust Iterative Learning Fault-Tolerant Control for Multiphase Batch Processes with Uncertainties. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10099-10109	3.9	37

138	Iterative learning fault-tolerant control for injection molding processes against actuator faults. <i>Journal of Process Control</i> , 2017 , 59, 59-72	3.9	36
137	Delay-Range-Dependent-Based Hybrid Iterative Learning Fault-Tolerant Guaranteed Cost Control for Multiphase Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2932-2944	3.9	36
136	Multivariate statistical monitoring of two-dimensional dynamic batch processes utilizing non-Gaussian information. <i>Journal of Process Control</i> , 2010 , 20, 1188-1197	3.9	36
135	Real-time aging trajectory prediction using a base model-oriented gradient-correction particle filter for Lithium-ion batteries. <i>Journal of Power Sources</i> , 2019 , 440, 227118	8.9	35
134	Robust design of feedback integrated with iterative learning control for batch processes with uncertainties and interval time-varying delays. <i>Journal of Process Control</i> , 2011 , 21, 987-996	3.9	35
133	Two-directional concurrent strategy of mode identification and sequential phase division for multimode and multiphase batch process monitoring with uneven lengths. <i>Chemical Engineering Science</i> , 2018 , 178, 104-117	4.4	34
132	A generalized relay identification method for time delay and non-minimum phase processes. <i>Automatica</i> , 2009 , 45, 1072-1079	5.7	34
131	Temperature Modeling in a Coke Furnace with an Improved RNA-GA Based RBF Network. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3236-3245	3.9	31
130	Constrained two dimensional recursive least squares model identification for batch processes. <i>Journal of Process Control</i> , 2014 , 24, 871-879	3.9	31
129	Delay-Range-Dependent Method for Iterative Learning Fault-Tolerant Guaranteed Cost Control for Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 2661-2671	3.9	31
128	Subspace identification for two-dimensional dynamic batch process statistical monitoring. <i>Chemical Engineering Science</i> , 2008 , 63, 3411-3418	4.4	31
127	Identification of integrating and unstable processes from relay feedback. <i>Computers and Chemical Engineering</i> , 2008 , 32, 3038-3056	4	31
126	Joint estimation of battery state-of-charge and state-of-health based on a simplified pseudo-two-dimensional model. <i>Electrochimica Acta</i> , 2020 , 344, 136098	6.7	31
125	Recovering large-scale battery aging dataset with machine learning. <i>Patterns</i> , 2021 , 2, 100302	5.1	30
124	Incipient Fault Detection for Multiphase Batch Processes With Limited Batches. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 103-117	4.8	29
123	A systematic approach for on-line identification of second-order process model from relay feedback test. <i>AIChE Journal</i> , 2008 , 54, 1560-1578	3.6	29
122	Hybrid iterative learning fault-tolerant guaranteed cost control design for multi-phase batch processes. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 521-530	2.3	29
121	Long-Term Battery Voltage, Power, and Surface Temperature Prediction Using a Model-Based Extreme Learning Machine. <i>Energies</i> , 2018 , 11, 86	3.1	28

120	Data-Driven Two-Dimensional Deep Correlated Representation Learning for Nonlinear Batch Process Monitoring. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2839-2848	11.9	28
119	Improved design of constrained model predictive tracking control for batch processes against unknown uncertainties. <i>ISA Transactions</i> , 2017 , 69, 273-280	5.5	27
118	Multiobjective Two-Dimensional CCA-Based Monitoring for Successive Batch Processes With Industrial Injection Molding Application. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 3825-3834	8.9	27
117	Model Migration for Development of a New Process Model. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 9603-9610	3.9	27
116	Model Migration with Inclusive Similarity for Development of a New Process Model. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 9508-9516	3.9	27
115	Multipoint Iterative Learning Model Predictive Control. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6230-6240	8.9	27
114	Probabilistic Fault Diagnosis Based on Monte Carlo and Nested-Loop Fisher Discriminant Analysis for Industrial Processes. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 12896-12908	3.9	26
113	Batch Process Modeling and Monitoring With Local Outlier Factor. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1552-1565	4.8	26
112	State Space Model Predictive Control for Advanced Process Operation: A Review of Recent Development, New Results, and Insight. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 5360-5394	3.9	25
111	Iterative learning Kalman filter for repetitive processes. <i>Journal of Process Control</i> , 2016 , 46, 92-104	3.9	25
110	Capacitive transducer for in-mold monitoring of injection molding. <i>Polymer Engineering and Science</i> , 2004 , 44, 1571-1578	2.3	25
109	Synthesis of Real-Time-Feedback-Based 2D Iterative Learning Control Model Predictive Control for Constrained Batch Processes with Unknown Input Nonlinearity. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 13074-13084	3.9	25
108	Discrete-Time Robust Iterative Learning Kalman Filtering for Repetitive Processes. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 270-275	5.9	23
107	A hybrid 2D fault-tolerant controller design for multi-phase batch processes with time delay. <i>Journal of Process Control</i> , 2018 , 69, 138-157	3.9	23
106	Development of a transducer for in-line and through cycle monitoring of key process and quality variables in injection molding. <i>Sensors and Actuators A: Physical</i> , 2008 , 141, 712-722	3.9	23
105	Robust iterative learning control for multi-phase batch processes: an average dwell-time method with 2D convergence indexes. <i>International Journal of Systems Science</i> , 2018 , 49, 324-343	2.3	23
104	Subspace decomposition and critical phase selection based cumulative quality analysis for multiphase batch processes. <i>Chemical Engineering Science</i> , 2017 , 166, 130-143	4.4	22
103	State-of-Charge Estimation for Li-Ion Power Batteries Based on a Tuning Free Observer. <i>Energies</i> , 2016 , 9, 675	3.1	22

102	Monitoring big process data of industrial plants with multiple operating modes based on Hadoop. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 91, 10-21	5.3	21
101	A study of packing profile on injection molded part quality. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 358, 205-213	5.3	21
100	Iterative Learning Fault-Tolerant Control for Networked Batch Processes with Multirate Sampling and Quantization Effects. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 2515-2525	3.9	20
99	Predictive control optimization based PID control for temperature in an industrial surfactant reactor. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 135, 48-62	3.8	20
98	A Two-Stage Design of Two-Dimensional Model Predictive Iterative Learning Control for Nonrepetitive Disturbance Attenuation. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5683-5689	3.9	20
97	Battery incremental capacity curve extraction by a two-dimensional Luenberger-Gaussian-moving-average filter. <i>Applied Energy</i> , 2020 , 280, 115895	10.7	20
96	Two-time dimensional dynamic matrix control for batch processes with convergence analysis against the 2D interval uncertainty. <i>Journal of Process Control</i> , 2012 , 22, 899-914	3.9	19
95	Improved infinite horizon LQ tracking control for injection molding process against partial actuator failures. <i>Computers and Chemical Engineering</i> , 2015 , 80, 130-139	4	19
94	Priori Knowledge-Based Online Batch-to-Batch Identification in a Closed Loop and an Application to Injection Molding. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 8818-8829	3.9	19
93	Bayesian improved model migration methodology for fast process modeling by incorporating prior information. <i>Chemical Engineering Science</i> , 2015 , 134, 23-35	4.4	18
92	Design of fuzzy iterative learning fault-tolerant control for batch processes with time-varying delays. <i>Optimal Control Applications and Methods</i> , 2018 , 39, 1887-1903	1.7	18
91	110th Anniversary: An Overview on Learning-Based Model Predictive Control for Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17164-17173	3.9	17
90	Delay-range-dependent guaranteed cost control for batch processes with state delay. <i>AIChE Journal</i> , 2013 , 59, 2033-2045	3.6	17
89	Optimal start-up control of injection molding barrel temperature. <i>Polymer Engineering and Science</i> , 2007 , 47, 254-261	2.3	17
88	Between-phase-based statistical analysis and modeling for transition monitoring in multiphase batch processes. <i>AIChE Journal</i> , 2012 , 58, 2682-2696	3.6	16
87	Two-Time-Dimensional Model Predictive Control of Weld Line Positioning in Bi-Injection Molding. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 4795-4804	3.9	15
86	Online average-based system modelling method for batch process. <i>Computers and Chemical Engineering</i> , 2018 , 108, 128-138	4	15
85	Fuzzy multi-model based adaptive predictive control and its application to thermoplastic injection molding. <i>Canadian Journal of Chemical Engineering</i> , 2001 , 79, 263-272	2.3	15

84	Synthesis of ILCMPC Controller With Data-Driven Approach for Constrained Batch Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 3116-3125	8.9	15
83	Iterative Learning and Extremum Seeking for Repetitive Time-Varying Mappings. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3339-3353	5.9	13
82	Phase Analysis and Identification Method for Multiphase Batch Processes with Partitioning Multi-way Principal Component Analysis (MPCA) Model. <i>Chinese Journal of Chemical Engineering</i> , 2012 , 20, 1121-1127	3.2	13
81	Optimal Iterative Learning Control Based on a Time-Parametrized Linear Time-Varying Model for Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 6182-6192	3.9	13
80	Iterative Learning Stabilization and Fault-Tolerant Control for Batch Processes 2020 ,		13
79	2D Switched Model-Based Infinite Horizon LQ Fault-Tolerant Tracking Control for Batch Process. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 9540-9551	3.9	12
78	PI based indirect-type iterative learning control for batch processes with time-varying uncertainties: A 2D FM model based approach. <i>Journal of Process Control</i> , 2019 , 78, 57-67	3.9	12
77	Similar Batch Process Monitoring With Orthogonal Subspace Alignment. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8173-8183	8.9	12
76	Generalized predictive control of linear systems with actuator rearrange faults. <i>Journal of Process Control</i> , 2009 , 19, 803-815	3.9	12
75	Between-Mode Quality Analysis Based Multimode Batch Process Quality Prediction. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15629-15638	3.9	11
74	A Balancing Current Ratio based State-of-Health Estimation Solution for Lithium-ion Battery Pack. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	11
73	Phase adaptive RVM model for quality prediction of multiphase batch processes with limited modeling batches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 156, 81-88	3.8	10
72	Application of a capacitive transducer for online part weight prediction and fault detection in injection molding. <i>Polymer Engineering and Science</i> , 2007 , 47, 347-353	2.3	10
71	Reconstruction of the incremental capacity trajectories from current-varying profiles for lithium-ion batteries. <i>IScience</i> , 2021 , 24, 103103	6.1	10
70	Improved Nonlinear Quality Estimation for Multiphase Batch Processes Based on Relevance Vector Machine with Neighborhood Component Variable Selection. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 666-676	3.9	9
69	Mixed-effects Gaussian process modeling approach with application in injection molding processes. <i>Journal of Process Control</i> , 2018 , 62, 37-43	3.9	9
68	Online identification for batch processes in closed loop incorporating priori controller knowledge. <i>Computers and Chemical Engineering</i> , 2016 , 90, 222-233	4	9
67	An intelligent non-optimality self-recovery method based on reinforcement learning with small data in big data era. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018 , 176, 89-100	3.8	9

66	Performance-relevant kernel independent component analysis based operating performance assessment for nonlinear and non-Gaussian industrial processes. <i>Chemical Engineering Science</i> , 2019 , 209, 115167	4.4	9
65	Multimode and Multiphase Batch Processes Understanding and Monitoring Based on between-Mode Similarity Evaluation and Multimode Discriminative Information Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 9679-9690	3.9	9
64	Statistical Monitoring and Fault Diagnosis of Batch Processes Using Two-Dimensional Dynamic Information. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 9961-9969	3.9	9
63	Automatic velocity profile determination for uniform filling in injection molding. <i>Polymer Engineering and Science</i> , 2010 , 50, 1358-1371	2.3	9
62	An experimental study of solid-bed break-up in plasticization of a reciprocating-screw injection molding. <i>Polymer Engineering and Science</i> , 2004 , 44, 1313-1318	2.3	9
61	A visual barrel system for study of reciprocating screw injection molding. <i>Polymer Engineering and Science</i> , 2000 , 40, 1334-1343	2.3	9
60	Linearity Decomposition-Based Cointegration Analysis for Nonlinear and Nonstationary Process Performance Assessment. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 3052-3063	3.9	8
59	Two-time dimensional recursive system identification incorporating priori pole and zero knowledge. <i>Journal of Process Control</i> , 2016 , 39, 100-110	3.9	8
58	Cost-Effective Process Modeling and Optimization Methodology Assisted by Robust Migration Techniques. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 5736-5748	3.9	8
57	Future Ageing Trajectory Prediction for Lithium-ion Battery Considering the Knee Point Effect. <i>IEEE Transactions on Energy Conversion</i> , 2021 , 1-1	5.4	8
56	Ellipsoid invariant set-based robust model predictive control for repetitive processes with constraints. <i>IET Control Theory and Applications</i> , 2016 , 10, 1018-1026	2.5	8
55	Continual learning classification method with constant-sized memory cells based on the artificial immune system. <i>Knowledge-Based Systems</i> , 2021 , 213, 106673	7.3	8
54	Robust Iterative Learning Control with Quadratic Performance Index. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 872-881	3.9	7
53	Intelligent Fault Diagnosis for Chemical Processes Using Deep Learning Multimodel Fusion. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	7
52	Multiphase two-dimensional time-slice dynamic system for batch process monitoring. <i>Journal of Process Control</i> , 2020 , 85, 184-198	3.9	7
51	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 833-841	7.3	7
50	Design of a Switching Control Strategy for Time-Varying Delay Batch Processes Using Fault Probability-Based Average Dwell Time Method. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5087-5102	3.9	6
49	Enhanced process comprehension and quality analysis based on subspace separation for multiphase batch processes. <i>AIChE Journal</i> , 2011 , 57, 388-403	3.6	6

48	An automatic glucose monitoring signal denoising method with noise level estimation and responsive filter updating. <i>Biomedical Signal Processing and Control</i> , 2018 , 41, 172-185	4.9	6
47	Iterative Learning Control for Multiphase Batch Processes With Asynchronous Switching. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 2536-2549	7.3	6
46	Fault Diagnosis of Complex Chemical Processes Using Feature Fusion of a Convolutional Network. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2232-2248	3.9	6
45	Predicting Battery Aging Trajectory via a Migrated Aging Model and Bayesian Monte Carlo Method. <i>Energy Procedia</i> , 2019 , 158, 2456-2461	2.3	5
44	Nonlinear Multivariate Quality Prediction Based on OSC-SVM-PLS. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8154-8161	3.9	5
43	Gaussian Process Regression and Bayesian Inference Based Operating Performance Assessment for Multiphase Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 7232-7244	3.9	5
42	LQG Benchmark Based Performance Assessment of IMC-PID Temperature Control System. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 15102-15111	3.9	5
41	Data Driven Modeling Using an Optimal Principle Component Analysis Based Neural Network and Its Application to a Nonlinear Coke Furnace. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6344-6352	3.9	4
40	A stable two-time dimensional (2D) Model Predictive Control with zero terminal state constraints for constrained batch processes. <i>IFAC-PapersOnLine</i> , 2015 , 48, 514-519	0.7	4
39	Incorporating setting information for maintenance-free quality modeling of batch processes. <i>AICHE Journal</i> , 2013 , 59, 772-779	3.6	4
38	Optimal Structure of Learning-Type Set-Point in Various Set-Point-Related Indirect ILC Algorithms. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 13427-13434	3.9	4
37	Multiphase calibration modeling and quality interpretation by priority sorting. <i>Chemical Engineering Science</i> , 2011 , 66, 5400-5409	4.4	4
36	Transfer of Qualitative and Quantitative Knowledge for Similar Batch Process Monitoring. <i>IEEE Access</i> , 2018 , 6, 73856-73870	3.5	4
35	Hierarchical Multiblock T-PLS Based Operating Performance Assessment for Plant-Wide Processes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14617-14627	3.9	4
34	Comprehensive study and improvement of experimental methods for obtaining referenced battery state-of-power. <i>Journal of Power Sources</i> , 2021 , 512, 230462	8.9	4
33	Comparison of Two Types of Control Structures for Benzene Chlorine Reactive Distillation Systems. <i>Chinese Journal of Chemical Engineering</i> , 2014 , 22, 837-841	3.2	3
32	Spectra data analysis and calibration modeling method using spectra subspace separation and multiblock independent component regression strategy. <i>AICHE Journal</i> , 2011 , 57, 1202-1215	3.6	3
31	Predictive control for processes with input dynamic nonlinearity. <i>Chemical Engineering Science</i> , 2000 , 55, 4045-4052	4.4	3

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