Ximei Liu

List of Publications by Year
in descending order

41 papers	**2,209** citations	257357 **24** h-index	434063 **31** g-index
41 all docs	**41** docs citations	**41** times ranked	**531** citing authors

#	ARTICLE	IF	CITATIONS
1	The least squares based iterative algorithms for parameter estimation of a bilinear system with autoregressive noise using the data filtering technique. Signal Processing, 2018, 147, 23-34.	2.1	182
2	Hierarchical gradient based and hierarchical least squares based iterative parameter identification for CARARMA systems. Signal Processing, 2014, 97, 31-39.	2.1	162
3	Maximum Likelihood Least Squares Based Iterative Estimation for a Class of Bilinear Systems Using the Data Filtering Technique. International Journal of Control, Automation and Systems, 2020, 18, 1581-1592.	1.6	156
4	The filtering‐based maximum likelihood iterative estimation algorithms for a special class of nonlinear systems with autoregressive moving average noise using the hierarchical identification principle. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1189-1211.	2.3	149
5	Maximum likelihood hierarchical least squares‐based iterative identification for dual‐rate stochastic systems. International Journal of Adaptive Control and Signal Processing, 2021, 35, 240-261.	2.3	149
6	Two‐stage auxiliary model gradient‐based iterative algorithm for the input nonlinear controlled autoregressive system with variable‐gain nonlinearity. International Journal of Robust and Nonlinear Control, 2020, 30, 5492-5509.	2.1	129
7	Iterative identification methods for a class of bilinear systems by using the particle filtering technique. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2056-2074.	2.3	114
8	Maximum likelihood extended gradient‐based estimation algorithms for the input nonlinear controlled autoregressive moving average system with variable‐gain nonlinearity. International Journal of Robust and Nonlinear Control, 2021, 31, 4017-4036.	2.1	109
9	The recursive least squares identification algorithm for a class of Wiener nonlinear systems. Journal of the Franklin Institute, 2016, 353, 1518-1526.	1.9	102
10	The data filtering based multiple‐stage Levenberg–Marquardt algorithm for Hammerstein nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 7007-7025.	2.1	101
11	Kalman state filtering based least squares iterative parameter estimation for observer canonical state space systems using decomposition. Journal of Computational and Applied Mathematics, 2016, 301, 135-143.	1.1	83
12	Hierarchical recursive least squares algorithms for Hammerstein nonlinear autoregressive output‐error systems. International Journal of Adaptive Control and Signal Processing, 2021, 35, 2276-2295.	2.3	78
13	Auxiliary model‐based multi‐innovation recursive identification algorithms for an input nonlinear controlled autoregressive moving average system with variable‐gain nonlinearity. International Journal of Adaptive Control and Signal Processing, 2022, 36, 521-540.	2.3	68
14	Unified Synchronization Criteria for Hybrid Switching-Impulsive Dynamical Networks. Circuits, Systems, and Signal Processing, 2015, 34, 1499-1517.	1.2	64
15	Auxiliary Model Based Least Squares Iterative Algorithms for Parameter Estimation of Bilinear Systems Using Interval-Varying Measurements. IEEE Access, 2018, 6, 21518-21529.	2.6	61
16	The maximum likelihood least squares based iterative estimation algorithm for bilinear systems with autoregressive moving average noise. Journal of the Franklin Institute, 2017, 354, 4861-4881.	1.9	59
17	Decomposition Based Newton Iterative Identification Method for a Hammerstein Nonlinear FIR System with ARMA Noise. Circuits, Systems, and Signal Processing, 2014, 33, 2881-2893.	1.2	56
18	New criteria for the robust impulsive synchronization of uncertain chaotic delayed nonlinear systems. Nonlinear Dynamics, 2015, 79, 1-9.	2.7	56

#	Article	IF	Citations
19	The Gradient-Based Iterative Estimation Algorithms for Bilinear Systems with Autoregressive Noise. Circuits, Systems, and Signal Processing, 2017, 36, 4541-4568.	1.2	55
20	Least-squares-based iterative and gradient-based iterative estimation algorithms for bilinear systems. Nonlinear Dynamics, 2017, 89, 197-211.	2.7	47
21	Particle Filtering-based Iterative Identification Methods for a Class of Nonlinear Systems with Interval-varying Measurements. International Journal of Control, Automation and Systems, 2022, 20, 2239-2248.	1.6	40
22	Filtering-Based Maximum Likelihood Gradient Iterative Estimation Algorithm for Bilinear Systems with Autoregressive Moving Average Noise. Circuits, Systems, and Signal Processing, 2018, 37, 5023-5048.	1.2	39
23	Iterative parameter estimation methods for dual‐rate sampled‐data bilinear systems by means of the data filtering technique. IET Control Theory and Applications, 2021, 15, 1230-1245.	1.2	38
24	A New Iterative Least Squares Parameter Estimation Approach for Equation-error Autoregressive Systems. International Journal of Control, Automation and Systems, 2020, 18, 780-790.	1.6	33
25	Hierarchical least squares identification for feedback nonlinear equation-error systems. Journal of the Franklin Institute, 2020, 357, 2958-2977.	1.9	25
26	Decomposition Least-Squares-Based Iterative Identification Algorithms for Multivariable Equation-Error Autoregressive Moving Average Systems. Mathematics, 2019, 7, 609.	1.1	19
27	Data filtering-based multi-innovation forgetting gradient algorithms for input nonlinear FIR-MA systems with piecewise-linear characteristics. Journal of the Franklin Institute, 2021, 358, 9818-9840.	1.9	11
28	The application of scale invariant feature transform fused with shape model in the human face recognition. , 2016, , .		5
29	Input-Series-Output-Parallel DC Transformer Impedance Modeling and Phase Reshaping for Rapid Stabilization of MVDC Distribution Systems. Electronics (Switzerland), 2021, 10, 3163.	1.8	5
30	Effect of Stirring on the Defect-Free Filling of Deep Through-Silicon Vias. IEEE Access, 2020, 8, 108555-108560.	2.6	4
31	An Anticipatory Terminal Iterative Learning Control Approach with Applications to Constrained Batch Processes. Chinese Journal of Chemical Engineering, 2013, 21, 271-275.	1.7	3
32	Design scheme for nonlinear feedback system using right coprime factorization. , 2016, , .		2
33	Operator-based robust control for nonlinear feedback systems with noise disturbance. , 2013, , .		1
34	Passivity-based robust control for nonlinear feedback systems using robust right coprime factorization. , 2014, , .		1
35	Temperature controller design for vapor compression refrigeration cycle systems. , 2017, , .		1
36	An Iterative Learning Model Predictive Control Strategy for Evaporator. , 2018, , .		1

#	Article	IF	Citations
37	Filtering‐based multi‐innovation recursive identification methods for input nonlinear systems with piecewise‐linear nonlinearity based on the optimization criterion. Optimal Control Applications and Methods, 2022, 43, 884-903.	1.3	1
38	Denoising hyperspectral images with non-white noise based on tensor decomposition. , 2016, , .		0
39	Model free adaptive cascade control of superheated steam temperature. , 2017, , .		0
40	Model free adaptive control for organic rankine cycle processes. , 2017, , .		0
41	Combined output offshore wind-tide-virtual energy storage system model. , 2019, , .		0