

Jing Chen

List of Publications by Year in descending order

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430754

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374
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#	ARTICLE	IF	CITATIONS
1	Robust Standard Gradient Descent Algorithm for ARX Models Using Aitken Acceleration Technique. IEEE Transactions on Cybernetics, 2022, 52, 9646-9655.	6.2	8
2	Accelerated Gradient Descent Estimation for Rational Models by Using Volterra Series: Structure Identification and Parameter Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1497-1501.	2.2	6
3	Fractional-Based Stochastic Gradient Algorithms for Time-Delayed ARX Models. Circuits, Systems, and Signal Processing, 2022, 41, 1895-1912.	1.2	9
4	Varying Infimum Gradient Descent Algorithm for Agent-Server Systems Using Different Order Iterative Preconditioning Methods. IEEE Transactions on Industrial Informatics, 2022, 18, 4436-4446.	7.2	5
5	Multidirection Gradient Iterative Algorithm: A Unified Framework for Gradient Iterative and Least Squares Algorithms. IEEE Transactions on Automatic Control, 2022, 67, 6770-6777.	3.6	15
6	Accelerated Identification Algorithms for Exponential Nonlinear Models: Two-Stage Method and Particle Swarm Optimization Method. Circuits, Systems, and Signal Processing, 2022, 41, 2636-2652.	1.2	2
7	Accelerated identification algorithms for rational models based on the vector transformation. Optimal Control Applications and Methods, 2022, 43, 740-756.	1.3	1
8	Iterative Parameter Identification for Time-delay Nonlinear Rational Models via L1-regularized Least Squares. International Journal of Control, Automation and Systems, 2022, 20, 444-451.	1.6	1
9	Augmented flexible least squares algorithm for time-varying parameter systems. International Journal of Robust and Nonlinear Control, 2022, 32, 3549-3567.	2.1	8
10	Identification of Two-Dimensional Causal Systems With Missing Output Data via Expectation Maximization Algorithm. IEEE Transactions on Industrial Informatics, 2021, 17, 5185-5196.	7.2	15
11	Some Stochastic Gradient Algorithms for Hammerstein Systems with Piecewise Linearity. Circuits, Systems, and Signal Processing, 2021, 40, 1635-1651.	1.2	5
12	Sliding Mode Control for Discrete-Time Systems with Randomly Occurring Uncertainties and Nonlinearities Under Hybrid Cyber Attacks. Circuits, Systems, and Signal Processing, 2021, 40, 5864-5885.	1.2	5
13	A generalized minimal residual based iterative back propagation algorithm for polynomial nonlinear models. Systems and Control Letters, 2021, 153, 104966.	1.3	5
14	A novel reduced-order algorithm for rational models based on Arnoldi process and Krylov subspace. Automatica, 2021, 129, 109663.	3.0	57
15	Varying Infimum Gradient Descent Algorithm for Agent-Server Systems With Uncertain Communication Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	2
16	Expectation Maximization Algorithm for Time-delay Output-error Models Based on Finite Impulse Response Method. International Journal of Control, Automation and Systems, 2021, 19, 3914-3923.	1.6	4
17	Gradient-Based Particle Filter Algorithm for an ARX Model With Nonlinear Communication Output. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2198-2207.	5.9	26
18	Global convergence of the EM algorithm for ARX models with uncertain communication channels. Systems and Control Letters, 2020, 136, 104614.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Auxiliary Variable-Based Identification Algorithms for Uncertain-Input Models. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 3389-3404.	1.2	2
20	Expectation maximization identification algorithm for time-delay two-dimensional systems. <i>Journal of the Franklin Institute</i> , 2020, 357, 9992-10009.	1.9	3
21	Improved gradient descent algorithms for time-delay rational state-space systems: intelligent search method and momentum method. <i>Nonlinear Dynamics</i> , 2020, 101, 361-373.	2.7	18
22	Maximum Likelihood Iterative Algorithm for Hammerstein Systems with Hard Nonlinearities. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2879-2889.	1.6	5
23	Modified Kalman filtering based multi-step-length gradient iterative algorithm for ARX models with random missing outputs. <i>Automatica</i> , 2020, 118, 109034.	3.0	106
24	Parameter Identification of ARX Models Based on Modified Momentum Gradient Descent Algorithm. <i>Complexity</i> , 2020, 2020, 1-11.	0.9	15
25	A Novel Identification Method for a Class of Closed-Loop Systems Based on Basis Pursuit De-Noising. <i>IEEE Access</i> , 2020, 8, 99648-99654.	2.6	3
26	Interval Error Correction Auxiliary Model Based Gradient Iterative Algorithms for Multirate ARX Models. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 4385-4392.	3.6	36
27	Stochastic average gradient algorithm for multirate FIR models with varying time delays using self-organizing maps. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020, 34, 955-970.	2.3	34
28	Iterative identification for multiple-input systems with time-delays based on greedy pursuit and auxiliary model. <i>Journal of the Franklin Institute</i> , 2019, 356, 5819-5833.	1.9	14
29	Maximum likelihood based identification methods for rational models. <i>International Journal of Systems Science</i> , 2019, 50, 2579-2591.	3.7	5
30	Aitken based modified Kalman filtering stochastic gradient algorithm for dual-rate nonlinear models. <i>Journal of the Franklin Institute</i> , 2019, 356, 4732-4746.	1.9	14
31	A novel maximum likelihood-based stochastic gradient algorithm for Hammerstein nonlinear systems with coloured noise. <i>International Journal of Modelling, Identification and Control</i> , 2019, 32, 23.	0.2	3
32	Multi-innovation Stochastic Gradient Algorithms for Input Nonlinear Time-Varying Systems Based on the Line Search Strategy. <i>Circuits, Systems, and Signal Processing</i> , 2019, 38, 2023-2038.	1.2	2
33	Missing Output Identification Model Based Recursive Least Squares Algorithm for a Distributed Parameter System. <i>International Journal of Control, Automation and Systems</i> , 2018, 16, 150-157.	1.6	17
34	Multi-step-length gradient iterative algorithm for equation-error type models. <i>Systems and Control Letters</i> , 2018, 115, 15-21.	1.3	28
35	Variational Bayesian-Based Iterative Algorithm for ARX Models with Random Missing Outputs. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 1594-1608.	1.2	5
36	Bias compensation recursive algorithm for dual-rate rational models. <i>IET Control Theory and Applications</i> , 2018, 12, 2184-2193.	1.2	7

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37	A new filter-based stochastic gradient algorithm for dual-rate ARX models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2018, 32, 1557-1568.	2.3	15
38	Variational Bayesian approach for ARX systems with missing observations and varying time-delays. <i>Automatica</i> , 2018, 94, 194-204.	3.0	73
39	Biased compensation recursive least squares-based threshold algorithm for time-delay rational models via redundant rule. <i>Nonlinear Dynamics</i> , 2018, 91, 797-807.	2.7	31
40	Expectation maximization estimation algorithm for Hammerstein models with non-Gaussian noise and random time delay from dual-rate sampled-data. , 2018, 73, 135-144.		24
41	Gradient iterative algorithm for dual-rate nonlinear systems based on a novel particle filter. <i>Journal of the Franklin Institute</i> , 2017, 354, 4425-4437.	1.9	33
42	Identification methods for time-delay systems based on the redundant rules. <i>Signal Processing</i> , 2017, 137, 192-198.	2.1	26
43	Recursive Least Squares Algorithm for Nonlinear Dual-rate Systems Using Missing-Output Estimation Model. <i>Circuits, Systems, and Signal Processing</i> , 2017, 36, 1406-1425.	1.2	18
44	Filtering based multi-stage recursive least squares parameter estimation algorithm for input nonlinear output-error autoregressive systems. , 2016, , .		1
45	Modified stochastic gradient parameter estimation algorithms for a nonlinear two-variable difference system. <i>International Journal of Control, Automation and Systems</i> , 2016, 14, 1493-1500.	1.6	7
46	Identification Methods for Two-Variable Difference Systems. <i>Circuits, Systems, and Signal Processing</i> , 2016, 35, 3027-3039.	1.2	3
47	Recursive least squares algorithm for a nonlinear additive system with time delay. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016, 21, 159-163.	0.5	0
48	A new identification method for dual-rate Hammerstein systems**This work was supported by the National Natural Science Foundation of China (No. 61403165) and supported by the Natural Science Foundation of Jiangsu Province (No. BK20131109). <i>IFAC-PapersOnLine</i> , 2015, 48, 853-856.	0.5	2
49	Identification of Hammerstein systems with continuous nonlinearity. <i>Information Processing Letters</i> , 2015, 115, 822-827.	0.4	30
50	Two Identification Methods for Dual-Rate Sampled-Data Nonlinear Output-Error Systems. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	2
51	Stochastic gradient algorithm for dual-rate sampled data nonlinear systems based on the missing outputs identification model. , 2014, , .		0
52	An interesting method for the exponentials for some special matrices. <i>Systems Science and Control Engineering</i> , 2014, 2, 2-6.	1.8	1
53	Several gradient parameter estimation algorithms for dual-rate sampled systems. <i>Journal of the Franklin Institute</i> , 2014, 351, 543-554.	1.9	30
54	Stochastic gradient algorithm for a dual-rate Box-Jenkins model based on auxiliary model and FIRmode. <i>Journal of Zhejiang University: Science C</i> , 2014, 15, 147-152.	0.7	4

#	ARTICLE	IF	CITATIONS
55	Gradient-based iterative algorithm for Wiener systems with saturation and dead-zone nonlinearities. JVC/Journal of Vibration and Control, 2014, 20, 634-640.	1.5	16
56	Parameter Identification Methods for an Additive Nonlinear System. Circuits, Systems, and Signal Processing, 2014, 33, 3053-3064.	1.2	10
57	Gradient-based parameter estimation for input nonlinear systems with ARMA noises based on the auxiliary model. Nonlinear Dynamics, 2013, 72, 865-871.	2.7	27
58	An Auxiliary-Model-Based Stochastic Gradient Algorithm for Dual-Rate Sampled-Data Box-Jenkins Systems. Circuits, Systems, and Signal Processing, 2013, 32, 2475-2485.	1.2	9
59	Multi-innovation stochastic gradient algorithms for dual-rate sampled systems with preload nonlinearity. Applied Mathematics Letters, 2013, 26, 124-129.	1.5	23
60	Stochastic Gradient Algorithm for Hammerstein Systems with Piece-Wise Linearities. Communications in Computer and Information Science, 2013, , 241-247.	0.4	0
61	Parameter identification to an approximated function of the Weierstrass approximation formula. , 2012, , .		1
62	Parameters Identification of Dual-Rate Hammerstein Systems Based on Finite Input Response Models. Applied Mechanics and Materials, 2012, 204-208, 4742-4745.	0.2	0
63	Parameter identification of systems with preload nonlinearities based on the finite impulse response model and negative gradient search. Applied Mathematics and Computation, 2012, 219, 2498-2505.	1.4	13
64	Least squares and stochastic gradient parameter estimation for multivariable nonlinear Box-Jenkins models based on the auxiliary model and the multi-innovation identification theory. Engineering Computations, 2012, 29, 907-921.	0.7	9
65	Gradient based estimation algorithm for Hammerstein systems with saturation and dead-zone nonlinearities. Applied Mathematical Modelling, 2012, 36, 238-243.	2.2	59
66	Auxiliary model based multi-innovation algorithms for multivariable nonlinear systems. Mathematical and Computer Modelling, 2010, 52, 1428-1434.	2.0	70
67	Multi-innovation Generalized Extended Stochastic Gradient Algorithm for Multi-Input Multi-Output Nonlinear Box-Jenkins Systems Based on the Auxiliary Model. Lecture Notes in Computer Science, 2010, , 136-146.	1.0	2
68	Modified Stochastic Gradient Algorithm for Hammerstein Systems. Applied Mechanics and Materials, 0, 336-338, 2320-2323.	0.2	0