Ruifeng Ding

List of Publications by Year
in descending order

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478	25,200	3325	11581
papers	citations	91 h-index	135 g-index

479	479	479	4996
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in near-infrared II fluorophores for multifunctional biomedical imaging. Chemical Science, 2018, 9, 4370-4380.	3.7	437
2	Gradient based iterative algorithms for solving a class of matrix equations. IEEE Transactions on Automatic Control, 2005, 50, 1216-1221.	3.6	416
3	Identification of Hammerstein nonlinear ARMAX systems. Automatica, 2005, 41, 1479-1489.	3.0	365
4	Iterative least-squares solutions of coupled Sylvester matrix equations. Systems and Control Letters, 2005, 54, 95-107.	1.3	360
5	On Iterative Solutions of General Coupled Matrix Equations. SIAM Journal on Control and Optimization, 2006, 44, 2269-2284.	1.1	324
6	Combined parameter and output estimation of dual-rate systems using an auxiliary model. Automatica, 2004, 40, 1739-1748.	3.0	313
7	Iterative solutions of the generalized Sylvester matrix equations by using the hierarchical identification principle. Applied Mathematics and Computation, 2008, 197, 41-50.	1.4	307
8	Performance analysis of multi-innovation gradient type identification methods. Automatica, 2007, 43, 1-14.	3.0	302
9	Identification methods for Hammerstein nonlinear systems. , 2011, 21, 215-238.		300
10	Hierarchical gradient-based identification of multivariable discrete-time systems. Automatica, 2005, 41, 315-325.	3.0	299
11	Hierarchical least squares identification methods for multivariable systems. IEEE Transactions on Automatic Control, 2005, 50, 397-402.	3.6	290
12	Novel data filtering based parameter identification for multiple-input multiple-output systems using the auxiliary model. Automatica, 2016, 71, 308-313.	3.0	254
13	Partially Coupled Stochastic Gradient Identification Methods for Non-Uniformly Sampled Systems. IEEE Transactions on Automatic Control, 2010, 55, 1976-1981.	3.6	252
14	Reconstruction of continuous-time systems from their non-uniformly sampled discrete-time systems. Automatica, 2009, 45, 324-332.	3.0	249
15	Auxiliary model-based least-squares identification methods for Hammerstein output-error systems. Systems and Control Letters, 2007, 56, 373-380.	1.3	245
16	Parameter estimation with scarce measurements. Automatica, 2011, 47, 1646-1655.	3.0	241
17	Gradientâ€based and leastâ€squaresâ€based iterative algorithms for Hammerstein systems using the hierarchical identification principle. IET Control Theory and Applications, 2013, 7, 176-184.	1.2	230
18	Hierarchical Least Squares Identification for Linear SISO Systems With Dual-Rate Sampled-Data. IEEE Transactions on Automatic Control, 2011, 56, 2677-2683.	3.6	227

#	Article	IF	Citations
19	Coupledâ€leastâ€squares identification for multivariable systems. IET Control Theory and Applications, 2013, 7, 68-79.	1.2	224
20	An efficient hierarchical identification method for general dual-rate sampled-data systems. Automatica, 2014, 50, 962-970.	3.0	223
21	Hierarchical multi-innovation stochastic gradient algorithm for Hammerstein nonlinear system modeling. Applied Mathematical Modelling, 2013, 37, 1694-1704.	2.2	222
22	Parameter estimation of dual-rate stochastic systems by using an output error method. IEEE Transactions on Automatic Control, 2005, 50, 1436-1441.	3.6	215
23	Least squares based and gradient based iterative identification for Wiener nonlinear systems. Signal Processing, 2011, 91, 1182-1189.	2.1	215
24	State estimation for bilinear systems through minimizing the covariance matrix of the state estimation errors. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1157-1173.	2.3	211
25	Combined state and least squares parameter estimation algorithms for dynamic systems. Applied Mathematical Modelling, 2014, 38, 403-412.	2.2	209
26	Characterization of biochars derived from agriculture wastes and their adsorptive removal of atrazine from aqueous solution: A comparative study. Bioresource Technology, 2015, 198, 55-62.	4.8	203
27	Gradient based and least-squares based iterative identification methods for OE and OEMA systems. , 2010, 20, 664-677.		202
28	Multiinnovation Least-Squares Identification for System Modeling. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 767-778.	5.5	199
29	Hierarchical identification of lifted state-space models for general dual-rate systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1179-1187.	0.1	196
30	Several multi-innovation identification methods. , 2010, 20, 1027-1039.		186
31	Auxiliary model based multi-innovation extended stochastic gradient parameter estimation with colored measurement noises. Signal Processing, 2009, 89, 1883-1890.	2.1	174
32	Gradient based iterative solutions for general linear matrix equations. Computers and Mathematics With Applications, 2009, 58, 1441-1448.	1.4	168
33	Two-stage least squares based iterative estimation algorithm for CARARMA system modeling. Applied Mathematical Modelling, 2013, 37, 4798-4808.	2.2	168
34	Extended stochastic gradient identification algorithms for Hammersteinâ€“Wiener ARMAX systems. Computers and Mathematics With Applications, 2008, 56, 3157-3164.	1.4	167
35	Hierarchical gradient based and hierarchical least squares based iterative parameter identification for CARARMA systems. Signal Processing, 2014, 97, 31-39.	2.1	162
36	Partiallyâ€coupled least squares based iterative parameter estimation for multiâ€variable outputâ€errorâ€like autoregressive moving average systems. IET Control Theory and Applications, 2019, 13, 3040-3051.	1.2	157

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37	Parameter Identification and Intersample Output Estimation for Dual-Rate Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 966-975.	3.4	154
38	Recursive least squares parameter identification algorithms for systems with colored noise using the filtering technique and the auxilary model. , 2015, 37, 100-108.		153
39	Convergence of stochastic gradient estimation algorithm for multivariable ARX-like systems. Computers and Mathematics With Applications, 2010, 59, 2615-2627.	1.4	152
40	The filteringâ€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
41	Decomposition based least squares iterative identification algorithm for multivariate pseudo-linear ARMA systems using the data filtering. Journal of the Franklin Institute, 2017, 354, 1321-1339.	1.9	147
42	Decomposition based fast least squares algorithm for output error systems. Signal Processing, 2013, 93, 1235-1242.	2.1	146
43	Highly computationally efficient state filter based on the delta operator. International Journal of Adaptive Control and Signal Processing, 2019, 33, 875-889.	2.3	143
44	Two-stage Gradient-based Iterative Estimation Methods for Controlled Autoregressive Systems Using the Measurement Data. International Journal of Control, Automation and Systems, 2020, 18, 886-896.	1.6	142
45	Melanin-dotâ€“mediated delivery of metallacycle for NIR-II/photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16729-16735.	3.3	141
46	A hierarchical least squares identification algorithm for Hammerstein nonlinear systems using the key term separation. Journal of the Franklin Institute, 2018, 355, 3737-3752.	1.9	140
47	Rhomboidal Pt(II) metallacycle-based NIR-II theranostic nanoprobe for tumor diagnosis and image-guided therapy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1968-1973.	3.3	140
48	Decomposition- and Gradient-Based Iterative Identification Algorithms for Multivariable Systems Using the Multi-innovation Theory. Circuits, Systems, and Signal Processing, 2019, 38, 2971-2991.	1.2	140
49	Auxiliary model multiinnovation stochastic gradient parameter estimation methods for nonlinear sandwich systems. International Journal of Robust and Nonlinear Control, 2021, 31, 148-165.	2.1	137
50	Recursive Least Squares and Multi-innovation Stochastic Gradient Parameter Estimation Methods for Signal Modeling. Circuits, Systems, and Signal Processing, 2017, 36, 1735-1753.	1.2	136
51	Hierarchical parameter and state estimation for bilinear systems. International Journal of Systems Science, 2020, 51, 275-290.	3.7	136
52	Multi-innovation stochastic gradient algorithms for multi-input multi-output systems. , 2009, 19, 545-554.		134
53	Gradient estimation algorithms for the parameter identification of bilinear systems using the auxiliary model. Journal of Computational and Applied Mathematics, 2020, 369, 112575.	1.1	130
54	Performance analysis of estimation algorithms of nonstationary ARMA processes. IEEE Transactions on Signal Processing, 2006, 54, 1041-1053.	3.2	129

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55	Recursive parameter identification of the dynamical models for bilinear state space systems. Nonlinear Dynamics, 2017, 89, 2415-2429.	2.7	129
56	Performance bounds of forgetting factor least-squares algorithms for time-varying systems with finite measurement data. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 555-566.	0.1	128
57	Iterative solutions to matrix equations of the form <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si41.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mi>i</mml:mi></mml:mrow></m Computers and Mathematics With Applications, 2010, 59, 3500-3507.	1.4	127
58	Parameter estimation algorithms for dynamical response signals based on the multiâ€innovation theory and the hierarchical principle. IET Signal Processing, 2017, 11, 228-237.	0.9	127
59	Self-tuning control based on multi-innovation stochastic gradient parameter estimation. Systems and Control Letters, 2009, 58, 69-75.	1.3	126
60	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deepâ€Tissue Molecular Imaging. Advanced Healthcare Materials, 2019, 8, e1900260.	3.9	125
61	Modeling Nonlinear Processes Using the Radial Basis Function-Based State-Dependent Autoregressive Models. IEEE Signal Processing Letters, 2020, 27, 1600-1604.	2.1	125
62	Recursive coupled projection algorithms for multivariable outputâ€errorâ€like systems with coloured noises. IET Signal Processing, 2020, 14, 455-466.	0.9	125
63	Gradientâ€based iterative algorithm for a class of the coupled matrix equations related to control systems. IET Control Theory and Applications, 2014, 8, 1588-1595.	1.2	124
64	Combined state and parameter estimation for a bilinear state space system with moving average noise. Journal of the Franklin Institute, 2018, 355, 3079-3103.	1.9	124
65	State filteringâ€based least squares parameter estimation for bilinear systems using the hierarchical identification principle. IET Control Theory and Applications, 2018, 12, 1704-1713.	1.2	124
66	Performance analysis of the generalised projection identification for timeâ€varying systems. IET Control Theory and Applications, 2016, 10, 2506-2514.	1.2	121
67	Least squares based iterative algorithms for identifying Boxâ€“Jenkins models with finite measurement data. , 2010, 20, 1458-1467.		120
68	State filtering and parameter estimation for state space systems with scarce measurements. Signal Processing, 2014, 104, 369-380.	2.1	119
69	Hierarchical recursive signal modeling for multifrequency signals based on discrete measured data. International Journal of Adaptive Control and Signal Processing, 2021, 35, 676-693.	2.3	119
70	A multi-innovation state and parameter estimation algorithm for a state space system with d-step state-delay. Signal Processing, 2017, 140, 97-103.	2.1	118
71	Recursive parameter estimation algorithm for multivariate output-error systems. Journal of the Franklin Institute, 2018, 355, 5163-5181.	1.9	117
72	Optimal Adaptive Filtering Algorithm by Using the Fractional-Order Derivative. IEEE Signal Processing Letters, 2022, 29, 399-403.	2.1	117

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73	Gradient-Based Identification Methods for Hammerstein Nonlinear ARMAX Models. Nonlinear Dynamics, 2006, 45, 31-43.	2.7	116
74	Adaptive Digital Control of Hammerstein Nonlinear Systems with Limited Output Sampling. SIAM Journal on Control and Optimization, 2007, 45, 2257-2276.	1.1	115
75	Hierarchical Least Squares Estimation Algorithm for Hammersteinâ€“Wiener Systems. IEEE Signal Processing Letters, 2012, 19, 825-828.	2.1	115
76	Maximum likelihood least squares identification method for input nonlinear finite impulse response moving average systems. Mathematical and Computer Modelling, 2012, 55, 442-450.	2.0	114
77	Multi-innovation Extended Stochastic Gradient Algorithm and Its Performance Analysis. Circuits, Systems, and Signal Processing, 2010, 29, 649-667.	1.2	113
78	Parameter estimation for pseudoâ€linear systems using the auxiliary model and the decomposition technique. IET Control Theory and Applications, 2017, 11, 390-400.	1.2	113
79	Recursive Least Squares Parameter Estimation for a Class of Output Nonlinear Systems Based on the Model Decomposition. Circuits, Systems, and Signal Processing, 2016, 35, 3323-3338.	1.2	112
80	Bias compensation based recursive least-squares identification algorithm for MISO systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 349-353.	2.3	111
81	Joint state and multi-innovation parameter estimation for time-delay linear systems and its convergence based on the Kalman filtering. , 2017, 62, 211-223.		111
82	The innovation algorithms for multivariable stateâ€space models. International Journal of Adaptive Control and Signal Processing, 2019, 33, 1601-1618.	2.3	111
83	Adaptive parameter estimation for a general dynamical system with unknown states. International Journal of Robust and Nonlinear Control, 2020, 30, 1351-1372.	2.1	111
84	Hierarchical least-squares based iterative identification for multivariable systems with moving average noises. Mathematical and Computer Modelling, 2010, 51, 1213-1220.	2.0	110
85	Iterative parameter identification for pseudoâ€linear systems with ARMA noise using the filtering technique. IET Control Theory and Applications, 2018, 12, 892-899.	1.2	108
86	Inputâ€“output data filtering based recursive least squares identification for CARARMA systems. , 2010, 20, 991-999.		106
87	Hierarchical gradient based iterative parameter estimation algorithm for multivariable output error moving average systems. Computers and Mathematics With Applications, 2011, 61, 672-682.	1.4	106
88	Identification of dual-rate systems based on finite impulse response models. International Journal of Adaptive Control and Signal Processing, 2004, 18, 589-598.	2.3	105
89	Performance analysis of the auxiliary models based multi-innovation stochastic gradient estimation algorithm for output error systems. , 2010, 20, 750-762.		104
90	Hierarchical Newton and least squares iterative estimation algorithm for dynamic systems by transfer functions based on the impulse responses. International Journal of Systems Science, 2019, 50, 141-151.	3.7	104

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91	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
92	Recursive parameter estimation methods and convergence analysis for a special class of nonlinear systems. International Journal of Robust and Nonlinear Control, 2020, 30, 1373-1393.	2.1	102
93	A novel parameter separation based identification algorithm for Hammerstein systems. Applied Mathematics Letters, 2016, 60, 21-27.	1.5	100
94	Parameter estimation for control systems based on impulse responses. International Journal of Control, Automation and Systems, 2017, 15, 2471-2479.	1.6	100
95	Auxiliary model-based RELS and MI-ELS algorithm for Hammerstein OEMA systems. Computers and Mathematics With Applications, 2010, 59, 3092-3098.	1.4	98
96	Iterative Parameter Estimation for Signal Models Based on Measured Data. Circuits, Systems, and Signal Processing, 2018, 37, 3046-3069.	1.2	98
97	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(<scp>ii</scp>) metallacycle for efficient cancer imaging and therapy. Chemical Science, 2019, 10, 7023-7028.	3.7	98
98	Highly Efficient Identification Methods for Dual-Rate Hammerstein Systems. IEEE Transactions on Control Systems Technology, 2015, 23, 1952-1960.	3.2	96
99	Hierarchical Principle-Based Iterative Parameter Estimation Algorithm for Dual-Frequency Signals. Circuits, Systems, and Signal Processing, 2019, 38, 3251-3268.	1.2	96
100	Maximum likelihood least squares identification for systems with autoregressive moving average noise. Applied Mathematical Modelling, 2012, 36, 1842-1853.	2.2	95
101	Partially-coupled nonlinear parameter optimization algorithm for a class of multivariate hybrid models. Applied Mathematics and Computation, 2022, 414, 126663.	1.4	94
102	Filteringâ€based iterative identification for multivariable systems. IET Control Theory and Applications, 2016, 10, 894-902.	1.2	93
103	Auxiliary model based recursive generalized least squares parameter estimation for Hammerstein OEAR systems. Mathematical and Computer Modelling, 2010, 52, 309-317.	2.0	92
104	An auxiliary model based on a recursive least-squares parameter estimation algorithm for non-uniformly sampled multirate systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 445-454.	0.7	90
105	Data filtering based recursive least squares algorithm for Hammerstein systems using the key-term separation principle. Information Sciences, 2013, 222, 203-212.	4.0	88
106	Gradient-based iterative parameter estimation for Boxâ€“Jenkins systems. Computers and Mathematics With Applications, 2010, 60, 1200-1208.	1.4	85
107	Hierarchical Estimation Approach for RBF-AR Models With Regression Weights Based on the Increasing Data Length. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3597-3601.	2.2	85
108	Sliding Mode Dual-Channel Disturbance Rejection Attitude Control for a Quadrotor. IEEE Transactions on Industrial Electronics, 2022, 69, 10489-10499.	5.2	84

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109	Urban Expansion and Heat Island Dynamics in the Quanzhou Region, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 74-79.	2.3	83
110	Maximum likelihood stochastic gradient estimation for Hammerstein systems with colored noise based on the key term separation technique. Computers and Mathematics With Applications, 2011, 62, 4170-4177.	1.4	83
111	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
112	Separable multiâ€innovation stochastic gradient estimation algorithm for the nonlinear dynamic responses of systems. International Journal of Adaptive Control and Signal Processing, 2020, 34, 937-954.	2.3	83
113	A modified stochastic gradient based parameter estimation algorithm for dual-rate sampled-data systems. , 2010, 20, 1238-1247.		82
114	Least squares algorithm for an input nonlinear system with a dynamic subspace state space model. Nonlinear Dynamics, 2014, 75, 49-61.	2.7	82
115	Performance analysis of stochastic gradient algorithms under weak conditions. Science in China Series F: Information Sciences, 2008, 51, 1269-1280.	1.1	80
116	Bias compensationâ€based parameter estimation for output error moving average systems. International Journal of Adaptive Control and Signal Processing, 2011, 25, 1100-1111.	2.3	80
117	Identification for multirate multi-input systems using the multi-innovation identification theory. Computers and Mathematics With Applications, 2009, 57, 1438-1449.	1.4	79
118	Multi-innovation least squares identification methods based on the auxiliary model for MISO systems. Applied Mathematics and Computation, 2007, 187, 658-668.	1.4	76
119	Multirate crosstalk identification in xDSL systems. IEEE Transactions on Communications, 2006, 54, 1878-1886.	4.9	75
120	PEGylation Regulates Selfâ€Assembled Smallâ€Molecule Dyeâ€“Based Probes from Single Molecule to Nanoparticle Size for Multifunctional NIRâ€II Bioimaging. Advanced Healthcare Materials, 2018, 7, e1800973.	3.9	75
121	A property of the eigenvalues of the symmetric positive definite matrix and the iterative algorithm for coupled Sylvester matrix equations. Journal of the Franklin Institute, 2014, 351, 340-357.	1.9	74
122	Parameter estimation algorithms for multivariable Hammerstein CARMA systems. Information Sciences, 2016, 355-356, 237-248.	4.0	74
123	Recursive least squares algorithm and gradient algorithm for Hammersteinâ€“Wiener systems using the data filtering. Nonlinear Dynamics, 2016, 84, 1045-1053.	2.7	74
124	Variational Bayesian approach for ARX systems with missing observations and varying time-delays. Automatica, 2018, 94, 194-204.	3.0	73
125	Recursive parameter and state estimation for an input nonlinear state space system using the hierarchical identification principle. Signal Processing, 2015, 117, 208-218.	2.1	72
126	Auxiliary model based multi-innovation algorithms for multivariable nonlinear systems. Mathematical and Computer Modelling, 2010, 52, 1428-1434.	2.0	70

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127	Hierarchical estimation algorithms for multivariable systems using measurement information. Information Sciences, 2014, 277, 396-405.	4.0	70
128	Decomposition strategy-based hierarchical least mean square algorithm for control systems from the impulse responses. International Journal of Systems Science, 0, , 1-16.	3.7	69
129	Hierarchical gradient- and least squares-based iterative algorithms for input nonlinear output-error systems using the key term separation. Journal of the Franklin Institute, 2021, 358, 5113-5135.	1.9	67
130	Leastâ€squares parameter estimation for systems with irregularly missing data. International Journal of Adaptive Control and Signal Processing, 2010, 24, 540-553.	2.3	66
131	Convergence analysis of estimation algorithms for dual-rate stochastic systems. Applied Mathematics and Computation, 2006, 176, 245-261.	1.4	65
132	Least squares estimation for a class of non-uniformly sampled systems based on the hierarchical identification principle. Circuits, Systems, and Signal Processing, 2012, 31, 1985-2000.	1.2	65
133	Recasted modelsâ€based hierarchical extended stochastic gradient method for MIMO nonlinear systems. IET Control Theory and Applications, 2017, 11, 476-485.	1.2	65
134	Partiallyâ€coupled gradientâ€based iterative algorithms for multivariable outputâ€errorâ€like systems with autoregressive moving average noises. IET Control Theory and Applications, 2020, 14, 2613-2627.	1.2	65
135	Recursive parameter estimation and its convergence for bilinear systems. IET Control Theory and Applications, 2020, 14, 677-688.	1.2	64
136	Least squares based self-tuning control of dual-rate systems. International Journal of Adaptive Control and Signal Processing, 2004, 18, 697-714.	2.3	63
137	Auxiliary model identification method for multirate multi-input systems based on least squares. Mathematical and Computer Modelling, 2009, 50, 1100-1106.	2.0	63
138	An auxiliary model based least squares algorithm for a dual-rate state space system with time-delay using the data filtering. Journal of the Franklin Institute, 2016, 353, 398-408.	1.9	63
139	Performance Analysis of the Auxiliary Model-Based Stochastic Gradient Parameter Estimation Algorithm for State-Space Systems with One-Step State Delay. Circuits, Systems, and Signal Processing, 2013, 32, 585-599.	1.2	62
140	Hierarchical gradient parameter estimation algorithm for Hammerstein nonlinear systems using the key term separation principle. Applied Mathematics and Computation, 2014, 247, 1202-1210.	1.4	62
141	A recursive least squares parameter estimation algorithm for output nonlinear autoregressive systems using the inputâ€“output data filtering. Journal of the Franklin Institute, 2017, 354, 6938-6955.	1.9	62
142	Recursive identification of bilinear time-delay systems through the redundant rule. Journal of the Franklin Institute, 2020, 357, 726-747.	1.9	61
143	The auxiliary model based hierarchical gradient algorithms and convergence analysis using the filtering technique. Signal Processing, 2016, 128, 212-221.	2.1	60
144	Gradient based estimation algorithm for Hammerstein systems with saturation and dead-zone nonlinearities. Applied Mathematical Modelling, 2012, 36, 238-243.	2.2	59

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145	On the Kronecker Products and Their Applications. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.4	59
146	Dynamic Task Assignment and Path Planning for Multi-AUV System in Variable Ocean Current Environment. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 999-1012.	2.0	59
147	Gradient-Based Iterative Parameter Estimation Algorithms for Dynamical Systems from Observation Data. Mathematics, 2019, 7, 428.	1.1	59
148	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
149	New gradient based identification methods for multivariate pseudo-linear systems using the multi-innovation and the data filtering. Journal of the Franklin Institute, 2017, 354, 1568-1583.	1.9	57
150	Recursive least squares parameter estimation for non-uniformly sampled systems based on the data filtering. Mathematical and Computer Modelling, 2011, 54, 315-324.	2.0	56
151	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
152	New criteria for the robust impulsive synchronization of uncertain chaotic delayed nonlinear systems. Nonlinear Dynamics, 2015, 79, 1-9.	2.7	56
153	Joint Parameter and Time-Delay Estimation for a Class of Nonlinear Time-Series Models. IEEE Signal Processing Letters, 2022, 29, 947-951.	2.1	56
154	Twoâ€stage parameter estimation algorithms for Boxâ€“Jenkins systems. IET Signal Processing, 2013, 7, 646-654.	0.9	55
155	States based iterative parameter estimation for a state space model with multi-state delays using decomposition. Signal Processing, 2015, 106, 294-300.	2.1	55
156	The Gradient-Based Iterative Estimation Algorithms for Bilinear Systems with Autoregressive Noise. Circuits, Systems, and Signal Processing, 2017, 36, 4541-4568.	1.2	55
157	Joint Multi-innovation Recursive Extended Least Squares Parameter and State Estimation for a Class of State-space Systems. International Journal of Control, Automation and Systems, 2020, 18, 1412-1424.	1.6	55
158	A novel nonlinear optimization method for fitting a noisy Gaussian activation function. International Journal of Adaptive Control and Signal Processing, 2022, 36, 690-707.	2.3	55
159	Multi-innovation stochastic gradient identification for Hammerstein controlled autoregressive autoregressive systems based on the filtering technique. Nonlinear Dynamics, 2015, 79, 1745-1755.	2.7	54
160	The residual based extended least squares identification method for dual-rate systems. Computers and Mathematics With Applications, 2008, 56, 1479-1487.	1.4	53
161	Some new results of designing an IIR filter with colored noise for signal processing. , 2018, 72, 44-58.		53
162	Modified Gramâ€“Schmidt Method-Based Variable Projection Algorithm for Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2410-2418.	7.2	53

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163	2-Norm Based Recursive Design of Transmultiplexers with Designable Filter Length. Circuits, Systems, and Signal Processing, 2006, 25, 447-462.	1.2	52
164	Transformations between some special matrices. Computers and Mathematics With Applications, 2010, 59, 2676-2695.	1.4	52
165	Performance analysis of the auxiliary model-based least-squares identification algorithm for one-step state-delay systems. International Journal of Computer Mathematics, 2012, 89, 2019-2028.	1.0	50
166	Filtering-Based Multistage Recursive Identification Algorithm for an Input Nonlinear Output-Error Autoregressive System by Using the Key Term Separation Technique. Circuits, Systems, and Signal Processing, 2017, 36, 577-599.	1.2	50
167	Effective degradation of primary color direct azo dyes using Fe0 aggregates-activated persulfate process. Journal of Environmental Management, 2018, 206, 565-576.	3.8	50
168	Iterative algorithms for X+ATXâ^'1A=I by using the hierarchical identification principle. Journal of the Franklin Institute, 2016, 353, 1132-1146.	1.9	49
169	Iterative identification algorithms for bilinear-in-parameter systems with autoregressive moving average noise. Journal of the Franklin Institute, 2017, 354, 7885-7898.	1.9	49
170	Least Squares based Iterative Parameter Estimation Algorithm for Stochastic Dynamical Systems with ARMA Noise Using the Model Equivalence. International Journal of Control, Automation and Systems, 2018, 16, 630-639.	1.6	49
171	Separable Synchronous Multi-Innovation Gradient-Based Iterative Signal Modeling From On-Line Measurements. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	48
172	Least-squares-based iterative and gradient-based iterative estimation algorithms for bilinear systems. Nonlinear Dynamics, 2017, 89, 197-211.	2.7	47
173	Hierarchical Stochastic Gradient Algorithm and its Performance Analysis for a Class of Bilinear-in-Parameter Systems. Circuits, Systems, and Signal Processing, 2017, 36, 1393-1405.	1.2	46
174	Decomposition-based recursive least squares identification methods for multivariate pseudo-linear systems using the multi-innovation. International Journal of Systems Science, 2018, 49, 920-928.	3.7	46
175	Adaptive Gradient-Based Iterative Algorithm for Multivariable Controlled Autoregressive Moving Average Systems Using the Data Filtering Technique. Complexity, 2018, 2018, 1-11.	0.9	46
176	A finite-data-window least squares algorithm with a forgetting factor for dynamical modeling. Applied Mathematics and Computation, 2007, 186, 184-192.	1.4	45
177	Convergence properties of the least squares estimation algorithm for multivariable systems. Applied Mathematical Modelling, 2013, 37, 476-483.	2.2	45
178	On consistency of recursive least squares identification algorithms for controlled auto-regression models. Applied Mathematical Modelling, 2008, 32, 2207-2215.	2.2	44
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