

Ruifeng Ding

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423
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18,394
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479
ext. papers

22,868
ext. citations

3.3
avg, IF

7.95
L-index

#	Paper	IF	Citations
4 ²³	Gradient based iterative algorithms for solving a class of matrix equations. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1216-1221	5.9	326
4 ²²	Recent advances in near-infrared II fluorophores for multifunctional biomedical imaging. <i>Chemical Science</i> , 2018 , 9, 4370-4380	9.4	307
4 ²¹	Iterative least-squares solutions of coupled Sylvester matrix equations. <i>Systems and Control Letters</i> , 2005 , 54, 95-107	2.4	297
4 ²⁰	Identification of Hammerstein nonlinear ARMAX systems. <i>Automatica</i> , 2005 , 41, 1479-1489	5.7	290
4 ¹⁹	On Iterative Solutions of General Coupled Matrix Equations. <i>SIAM Journal on Control and Optimization</i> , 2006 , 44, 2269-2284	1.9	260
4 ¹⁸	Iterative solutions of the generalized Sylvester matrix equations by using the hierarchical identification principle. <i>Applied Mathematics and Computation</i> , 2008 , 197, 41-50	2.7	255
4 ¹⁷	Hierarchical gradient-based identification of multivariable discrete-time systems. <i>Automatica</i> , 2005 , 41, 315-325	5.7	243
4 ¹⁶	Performance analysis of multi-innovation gradient type identification methods. <i>Automatica</i> , 2007 , 43, 1-14	5.7	235
4 ¹⁵	Hierarchical least squares identification methods for multivariable systems. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 397-402	5.9	234
4 ¹⁴	Identification methods for Hammerstein nonlinear systems 2011 , 21, 215-238		231
4 ¹³	Combined parameter and output estimation of dual-rate systems using an auxiliary model. <i>Automatica</i> , 2004 , 40, 1739-1748	5.7	202
4 ¹²	Auxiliary model-based least-squares identification methods for Hammerstein output-error systems. <i>Systems and Control Letters</i> , 2007 , 56, 373-380	2.4	190
4 ¹¹	Reconstruction of continuous-time systems from their non-uniformly sampled discrete-time systems. <i>Automatica</i> , 2009 , 45, 324-332	5.7	188
4 ¹⁰	Parameter estimation with scarce measurements. <i>Automatica</i> , 2011 , 47, 1646-1655	5.7	186
4 ⁰⁹	Gradient-based and least-squares-based iterative algorithms for Hammerstein systems using the hierarchical identification principle. <i>IET Control Theory and Applications</i> , 2013 , 7, 176-184	2.5	178
4 ⁰⁸	Least squares based and gradient based iterative identification for Wiener nonlinear systems. <i>Signal Processing</i> , 2011 , 91, 1182-1189	4.4	176
4 ⁰⁷	Hierarchical multi-innovation stochastic gradient algorithm for Hammerstein nonlinear system modeling. <i>Applied Mathematical Modelling</i> , 2013 , 37, 1694-1704	4.5	175

406	Novel data filtering based parameter identification for multiple-input multiple-output systems using the auxiliary model. <i>Automatica</i> , 2016 , 71, 308-313	5.7	170
405	Partially Coupled Stochastic Gradient Identification Methods for Non-Uniformly Sampled Systems. <i>IEEE Transactions on Automatic Control</i> , 2010 , 55, 1976-1981	5.9	170
404	Gradient based and least-squares based iterative identification methods for OE and OEMA systems 2010 , 20, 664-677		170
403	Combined state and least squares parameter estimation algorithms for dynamic systems. <i>Applied Mathematical Modelling</i> , 2014 , 38, 403-412	4.5	164
402	Hierarchical identification of lifted state-space models for general dual-rate systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 1179-1187		160
401	An efficient hierarchical identification method for general dual-rate sampled-data systems. <i>Automatica</i> , 2014 , 50, 962-970	5.7	159
400	Coupled-least-squares identification for multivariable systems. <i>IET Control Theory and Applications</i> , 2013 , 7, 68-79	2.5	154
399	Characterization of biochars derived from agriculture wastes and their adsorptive removal of atrazine from aqueous solution: A comparative study. <i>Bioresource Technology</i> , 2015 , 198, 55-62	11	152
398	Hierarchical Least Squares Identification for Linear SISO Systems With Dual-Rate Sampled-Data. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2677-2683	5.9	151
397	Multiinnovation least-squares identification for system modeling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 767-78		146
396	Auxiliary model based multi-innovation extended stochastic gradient parameter estimation with colored measurement noises. <i>Signal Processing</i> , 2009 , 89, 1883-1890	4.4	142
395	Two-stage least squares based iterative estimation algorithm for CARARMA system modeling. <i>Applied Mathematical Modelling</i> , 2013 , 37, 4798-4808	4.5	138
394	Gradient based iterative solutions for general linear matrix equations. <i>Computers and Mathematics With Applications</i> , 2009 , 58, 1441-1448	2.7	137
393	Several multi-innovation identification methods 2010 , 20, 1027-1039		137
392	State estimation for bilinear systems through minimizing the covariance matrix of the state estimation errors. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1157-1173	2.8	136
391	Extended stochastic gradient identification algorithms for Hammerstein-Wiener ARMAX systems. <i>Computers and Mathematics With Applications</i> , 2008 , 56, 3157-3164	2.7	133
390	Convergence of stochastic gradient estimation algorithm for multivariable ARX-like systems. <i>Computers and Mathematics With Applications</i> , 2010 , 59, 2615-2627	2.7	126
389	. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1436-1441	5.9	126

388	Decomposition based least squares iterative identification algorithm for multivariate pseudo-linear ARMA systems using the data filtering. <i>Journal of the Franklin Institute</i> , 2017 , 354, 1321-1339	4	124
387	Decomposition based fast least squares algorithm for output error systems. <i>Signal Processing</i> , 2013 , 93, 1235-1242	4.4	121
386	Recursive least squares parameter identification algorithms for systems with colored noise using the filtering technique and the auxiliary model 2015 , 37, 100-108		120
385	Parameter Identification and Intersample Output Estimation for Dual-Rate Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008 , 38, 966-975		120
384	Recursive Least Squares and Multi-innovation Stochastic Gradient Parameter Estimation Methods for Signal Modeling. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 1735-1753	2.2	115
383	Multi-innovation stochastic gradient algorithms for multi-input multi-output systems 2009 , 19, 545-554		112
382	Recursive parameter identification of the dynamical models for bilinear state space systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 2415-2429	5	111
381	Rhomboidal Pt(II) metallacycle-based NIR-II theranostic nanoprobe for tumor diagnosis and image-guided therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1968-1973	11.5	111
380	Parameter estimation algorithms for dynamical response signals based on the multi-innovation theory and the hierarchical principle. <i>IET Signal Processing</i> , 2017 , 11, 228-237	1.7	110
379	Self-tuning control based on multi-innovation stochastic gradient parameter estimation. <i>Systems and Control Letters</i> , 2009 , 58, 69-75	2.4	109
378	Performance analysis of the generalised projection identification for time-varying systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 2506-2514	2.5	109
377	A hierarchical least squares identification algorithm for Hammerstein nonlinear systems using the key term separation. <i>Journal of the Franklin Institute</i> , 2018 , 355, 3737-3752	4	108
376	State filtering-based least squares parameter estimation for bilinear systems using the hierarchical identification principle. <i>IET Control Theory and Applications</i> , 2018 , 12, 1704-1713	2.5	106
375	A multi-innovation state and parameter estimation algorithm for a state space system with d-step state-delay. <i>Signal Processing</i> , 2017 , 140, 97-103	4.4	104
374	Combined state and parameter estimation for a bilinear state space system with moving average noise. <i>Journal of the Franklin Institute</i> , 2018 , 355, 3079-3103	4	102
373	Melanin-dot-mediated delivery of metallacycle for NIR-II/photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16729-16735	11.5	102
372	State filtering and parameter estimation for state space systems with scarce measurements. <i>Signal Processing</i> , 2014 , 104, 369-380	4.4	102
371	Parameter estimation for pseudo-linear systems using the auxiliary model and the decomposition technique. <i>IET Control Theory and Applications</i> , 2017 , 11, 390-400	2.5	102

370	Iterative solutions to matrix equations of the form . <i>Computers and Mathematics With Applications</i> , 2010 , 59, 3500-3507	2.7	102
369	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deep-Tissue Molecular Imaging. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900260	10.1	99
368	Performance bounds of forgetting factor least-squares algorithms for time-varying systems with finite measurement data. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 555-566		98
367	Two-stage Gradient-based Iterative Estimation Methods for Controlled Autoregressive Systems Using the Measurement Data. <i>International Journal of Control, Automation and Systems</i> , 2020 , 18, 886-896	2.9	98
366	Partially-coupled least squares based iterative parameter estimation for multi-variable output-error-like autoregressive moving average systems. <i>IET Control Theory and Applications</i> , 2019 , 13, 3040-3051	2.5	96
365	Gradient estimation algorithms for the parameter identification of bilinear systems using the auxiliary model. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 369, 112575	2.4	96
364	Maximum likelihood least squares identification method for input nonlinear finite impulse response moving average systems. <i>Mathematical and Computer Modelling</i> , 2012 , 55, 442-450		95
363	Recursive Least Squares Parameter Estimation for a Class of Output Nonlinear Systems Based on the Model Decomposition. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 3323-3338	2.2	94
362	Hierarchical Least Squares Estimation Algorithm for Hammerstein-Wiener Systems. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 825-828	3.2	94
361	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. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1189-1211	2.8	93
360	Highly computationally efficient state filter based on the delta operator. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 875-889	2.8	93
359	Hierarchical gradient based and hierarchical least squares based iterative parameter identification for CARARMA systems. <i>Signal Processing</i> , 2014 , 97, 31-39	4.4	91
358	Joint state and multi-innovation parameter estimation for time-delay linear systems and its convergence based on the Kalman filtering 2017 , 62, 211-223		90
357	Least squares based iterative algorithms for identifying Box-Jenkins models with finite measurement data 2010 , 20, 1458-1467		90
356	Iterative parameter identification for pseudo-linear systems with ARMA noise using the filtering technique. <i>IET Control Theory and Applications</i> , 2018 , 12, 892-899	2.5	89
355	Gradient-based iterative algorithm for a class of the coupled matrix equations related to control systems. <i>IET Control Theory and Applications</i> , 2014 , 8, 1588-1595	2.5	89
354	Multi-innovation Extended Stochastic Gradient Algorithm and Its Performance Analysis. <i>Circuits, Systems, and Signal Processing</i> , 2010 , 29, 649-667	2.2	89
353	Gradient-Based Identification Methods for Hammerstein Nonlinear ARMAX Models. <i>Nonlinear Dynamics</i> , 2006 , 45, 31-43	5	89

352	Parameter estimation for control systems based on impulse responses. <i>International Journal of Control, Automation and Systems</i> , 2017 , 15, 2471-2479	2.9	88
351	The innovation algorithms for multivariable state-space models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1601-1618	2.8	88
350	Decomposition- and Gradient-Based Iterative Identification Algorithms for Multivariable Systems Using the Multi-innovation Theory. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 2971-2991	2.2	86
349	Filtering-based iterative identification for multivariable systems. <i>IET Control Theory and Applications</i> , 2016 , 10, 894-902	2.5	83
348	Iterative Parameter Estimation for Signal Models Based on Measured Data. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 3046-3069	2.2	83
347	Identification of dual-rate systems based on finite impulse response models. <i>International Journal of Adaptive Control and Signal Processing</i> , 2004 , 18, 589-598	2.8	82
346	Auxiliary model based recursive generalized least squares parameter estimation for Hammerstein OEAR systems. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 309-317		79
345	Performance analysis of estimation algorithms of nonstationary ARMA processes. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 1041-1053	4.8	79
344	Hierarchical Newton and least squares iterative estimation algorithm for dynamic systems by transfer functions based on the impulse responses. <i>International Journal of Systems Science</i> , 2019 , 50, 141-151	2.3	79
343	Recursive parameter estimation algorithm for multivariate output-error systems. <i>Journal of the Franklin Institute</i> , 2018 , 355, 5163-5181	4	78
342	Performance analysis of the auxiliary models based multi-innovation stochastic gradient estimation algorithm for output error systems 2010 , 20, 750-762		78
341	The recursive least squares identification algorithm for a class of Wiener nonlinear systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 1518-1526	4	78
340	Highly Efficient Identification Methods for Dual-Rate Hammerstein Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1952-1960	4.8	77
339	Adaptive Digital Control of Hammerstein Nonlinear Systems with Limited Output Sampling. <i>SIAM Journal on Control and Optimization</i> , 2007 , 45, 2257-2276	1.9	77
338	A novel parameter separation based identification algorithm for Hammerstein systems. <i>Applied Mathematics Letters</i> , 2016 , 60, 21-27	3.5	77
337	Hierarchical least-squares based iterative identification for multivariable systems with moving average noises. <i>Mathematical and Computer Modelling</i> , 2010 , 51, 1213-1220		76
336	Maximum likelihood least squares identification for systems with autoregressive moving average noise. <i>Applied Mathematical Modelling</i> , 2012 , 36, 1842-1853	4.5	75
335	Hierarchical gradient based iterative parameter estimation algorithm for multivariable output error moving average systems. <i>Computers and Mathematics With Applications</i> , 2011 , 61, 672-682	2.7	75

334	Data filtering based recursive least squares algorithm for Hammerstein systems using the key-term separation principle. <i>Information Sciences</i> , 2013 , 222, 203-212	7.7	74
333	Auxiliary model-based RELS and MI-ELS algorithm for Hammerstein OEMA systems. <i>Computers and Mathematics With Applications</i> , 2010 , 59, 3092-3098	2.7	74
332	Least squares algorithm for an input nonlinear system with a dynamic subspace state space model. <i>Nonlinear Dynamics</i> , 2014 , 75, 49-61	5	73
331	Hierarchical parameter and state estimation for bilinear systems. <i>International Journal of Systems Science</i> , 2020 , 51, 275-290	2.3	73
330	Gradient-based iterative parameter estimation for Box-Jenkins systems. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 1200-1208	2.7	72
329	Input-output data filtering based recursive least squares identification for CARARMA systems 2010 , 20, 991-999		70
328	Recursive least squares algorithm and gradient algorithm for Hammerstein-Wiener systems using the data filtering. <i>Nonlinear Dynamics</i> , 2016 , 84, 1045-1053	5	68
327	Bias compensation based recursive least-squares identification algorithm for MISO systems. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 349-353		68
326	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(ii) metallacycle for efficient cancer imaging and therapy. <i>Chemical Science</i> , 2019 , 10, 7023-7028	9.4	67
325	An auxiliary model based on a recursive least-squares parameter estimation algorithm for non-uniformly sampled multirate systems. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2009 , 223, 445-454	1	67
324	Recursive parameter and state estimation for an input nonlinear state space system using the hierarchical identification principle. <i>Signal Processing</i> , 2015 , 117, 208-218	4.4	66
323	Maximum likelihood stochastic gradient estimation for Hammerstein systems with colored noise based on the key term separation technique. <i>Computers and Mathematics With Applications</i> , 2011 , 62, 4170-4177	2.7	64
322	Recursive coupled projection algorithms for multivariable output-error-like systems with coloured noises. <i>IET Signal Processing</i> , 2020 , 14, 455-466	1.7	64
321	Bias compensation-based parameter estimation for output error moving average systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 1100-1111	2.8	62
320	Adaptive parameter estimation for a general dynamical system with unknown states. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1351-1372	3.6	62
319	Identification for multirate multi-input systems using the multi-innovation identification theory. <i>Computers and Mathematics With Applications</i> , 2009 , 57, 1438-1449	2.7	61
318	A modified stochastic gradient based parameter estimation algorithm for dual-rate sampled-data systems 2010 , 20, 1238-1247		61
317	Hierarchical gradient parameter estimation algorithm for Hammerstein nonlinear systems using the key term separation principle. <i>Applied Mathematics and Computation</i> , 2014 , 247, 1202-1210	2.7	60

316	Multi-innovation least squares identification methods based on the auxiliary model for MISO systems. <i>Applied Mathematics and Computation</i> , 2007 , 187, 658-668	2.7	60
315	The auxiliary model based hierarchical gradient algorithms and convergence analysis using the filtering technique. <i>Signal Processing</i> , 2016 , 128, 212-221	4.4	59
314	Hierarchical Principle-Based Iterative Parameter Estimation Algorithm for Dual-Frequency Signals. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 3251-3268	2.2	59
313	A recursive least squares parameter estimation algorithm for output nonlinear autoregressive systems using the input/output data filtering. <i>Journal of the Franklin Institute</i> , 2017 , 354, 6938-6955	4	58
312	PEGylation Regulates Self-Assembled Small-Molecule Dye-Based Probes from Single Molecule to Nanoparticle Size for Multifunctional NIR-II Bioimaging. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800973	10.1	58
311	Hierarchical estimation algorithms for multivariable systems using measurement information. <i>Information Sciences</i> , 2014 , 277, 396-405	7.7	57
310	Urban Expansion and Heat Island Dynamics in the Quanzhou Region, China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2009 , 2, 74-79	4.7	57
309	Multirate crosstalk identification in xDSL systems. <i>IEEE Transactions on Communications</i> , 2006 , 54, 1878-1886	6.8	57
308	Kalman state filtering based least squares iterative parameter estimation for observer canonical state space systems using decomposition. <i>Journal of Computational and Applied Mathematics</i> , 2016 , 301, 135-143	2.4	57
307	Parameter estimation algorithms for multivariable Hammerstein CARMA systems. <i>Information Sciences</i> , 2016 , 355-356, 237-248	7.7	57
306	A property of the eigenvalues of the symmetric positive definite matrix and the iterative algorithm for coupled Sylvester matrix equations. <i>Journal of the Franklin Institute</i> , 2014 , 351, 340-357	4	56
305	Recasted models-based hierarchical extended stochastic gradient method for MIMO nonlinear systems. <i>IET Control Theory and Applications</i> , 2017 , 11, 476-485	2.5	55
304	An auxiliary model based least squares algorithm for a dual-rate state space system with time-delay using the data filtering. <i>Journal of the Franklin Institute</i> , 2016 , 353, 398-408	4	55
303	Performance Analysis of the Auxiliary Model-Based Stochastic Gradient Parameter Estimation Algorithm for State-Space Systems with One-Step State Delay. <i>Circuits, Systems, and Signal Processing</i> , 2013 , 32, 585-599	2.2	55
302	Least squares estimation for a class of non-uniformly sampled systems based on the hierarchical identification principle. <i>Circuits, Systems, and Signal Processing</i> , 2012 , 31, 1985-2000	2.2	55
301	Least squares based self-tuning control of dual-rate systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2004 , 18, 697-714	2.8	55
300	Auxiliary model identification method for multirate multi-input systems based on least squares. <i>Mathematical and Computer Modelling</i> , 2009 , 50, 1100-1106		54
299	The maximum likelihood least squares based iterative estimation algorithm for bilinear systems with autoregressive moving average noise. <i>Journal of the Franklin Institute</i> , 2017 , 354, 4861-4881	4	54

298	Variational Bayesian approach for ARX systems with missing observations and varying time-delays. <i>Automatica</i> , 2018 , 94, 194-204	5.7	53
297	New criteria for the robust impulsive synchronization of uncertain chaotic delayed nonlinear systems. <i>Nonlinear Dynamics</i> , 2015 , 79, 1-9	5	51
296	Separable multi-innovation stochastic gradient estimation algorithm for the nonlinear dynamic responses of systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2020 , 34, 937-954	2.8	51
295	Convergence analysis of estimation algorithms for dual-rate stochastic systems. <i>Applied Mathematics and Computation</i> , 2006 , 176, 245-261	2.7	51
294	Decomposition Based Newton Iterative Identification Method for a Hammerstein Nonlinear FIR System with ARMA Noise. <i>Circuits, Systems, and Signal Processing</i> , 2014 , 33, 2881-2893	2.2	50
293	The Gradient-Based Iterative Estimation Algorithms for Bilinear Systems with Autoregressive Noise. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 4541-4568	2.2	50
292	Recursive parameter estimation methods and convergence analysis for a special class of nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1373-1393	3.6	50
291	Some new results of designing an IIR filter with colored noise for signal processing 2018 , 72, 44-58		49
290	Two-stage parameter estimation algorithms for Box-Jenkins systems. <i>IET Signal Processing</i> , 2013 , 7, 646-654	1.7	49
289	Auxiliary model based multi-innovation algorithms for multivariable nonlinear systems. <i>Mathematical and Computer Modelling</i> , 2010 , 52, 1428-1434		49
288	Performance analysis of stochastic gradient algorithms under weak conditions. <i>Science in China Series F: Information Sciences</i> , 2008 , 51, 1269-1280		49
287	Multi-innovation stochastic gradient identification for Hammerstein controlled autoregressive autoregressive systems based on the filtering technique. <i>Nonlinear Dynamics</i> , 2015 , 79, 1745-1755	5	48
286	Gradient based estimation algorithm for Hammerstein systems with saturation and dead-zone nonlinearities. <i>Applied Mathematical Modelling</i> , 2012 , 36, 238-243	4.5	48
285	Iterative identification algorithms for bilinear-in-parameter systems with autoregressive moving average noise. <i>Journal of the Franklin Institute</i> , 2017 , 354, 7885-7898	4	47
284	States based iterative parameter estimation for a state space model with multi-state delays using decomposition. <i>Signal Processing</i> , 2015 , 106, 294-300	4.4	47
283	Recursive parameter estimation and its convergence for bilinear systems. <i>IET Control Theory and Applications</i> , 2020 , 14, 677-688	2.5	47
282	New gradient based identification methods for multivariate pseudo-linear systems using the multi-innovation and the data filtering. <i>Journal of the Franklin Institute</i> , 2017 , 354, 1568-1583	4	46
281	Modified Gram-Schmidt Method-Based Variable Projection Algorithm for Separable Nonlinear Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2410-2418	10.3	46

280	Gradient-Based Iterative Parameter Estimation Algorithms for Dynamical Systems from Observation Data. <i>Mathematics</i> , 2019 , 7, 428	2.3	45
279	Auxiliary model multiinnovation stochastic gradient parameter estimation methods for nonlinear sandwich systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 148-165	3.6	45
278	Transformations between some special matrices. <i>Computers and Mathematics With Applications</i> , 2010 , 59, 2676-2695	2.7	44
277	The residual based extended least squares identification method for dual-rate systems. <i>Computers and Mathematics With Applications</i> , 2008 , 56, 1479-1487	2.7	44
276	2-Norm Based Recursive Design of Transmultiplexers with Designable Filter Length. <i>Circuits, Systems, and Signal Processing</i> , 2006 , 25, 447-462	2.2	44
275	Modeling Nonlinear Processes Using the Radial Basis Function-Based State-Dependent Autoregressive Models. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1600-1604	3.2	44
274	Convergence of the recursive identification algorithms for multivariate pseudo-linear regressive systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 824-842	2.8	44
273	Adaptive Gradient-Based Iterative Algorithm for Multivariable Controlled Autoregressive Moving Average Systems Using the Data Filtering Technique. <i>Complexity</i> , 2018 , 2018, 1-11	1.6	43
272	Hierarchical Stochastic Gradient Algorithm and its Performance Analysis for a Class of Bilinear-in-Parameter Systems. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 1393-1405	2.2	43
271	Performance analysis of the auxiliary model-based least-squares identification algorithm for one-step state-delay systems. <i>International Journal of Computer Mathematics</i> , 2012 , 89, 2019-2028	1.2	43
270	Partially-coupled gradient-based iterative algorithms for multivariable output-error-like systems with autoregressive moving average noises. <i>IET Control Theory and Applications</i> , 2020 , 14, 2613-2627	2.5	43
269	High-purity control of internal thermally coupled distillation columns based on nonlinear wave model. <i>Journal of Process Control</i> , 2011 , 21, 920-926	3.9	42
268	Decomposition-based recursive least squares identification methods for multivariate pseudo-linear systems using the multi-innovation. <i>International Journal of Systems Science</i> , 2018 , 49, 920-928	2.3	41
267	Filtering-Based Multistage Recursive Identification Algorithm for an Input Nonlinear Output-Error Autoregressive System by Using the Key Term Separation Technique. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 577-599	2.2	41
266	A filtering based multi-innovation gradient estimation algorithm and performance analysis for nonlinear dynamical systems. <i>IMA Journal of Applied Mathematics</i> , 2017 , 82, 1171-1191	1	41
265	Least-squares-based iterative and gradient-based iterative estimation algorithms for bilinear systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 197-211	5	40
264	State filtering and parameter estimation for linear systems with d -step state-delay. <i>IET Signal Processing</i> , 2014 , 8, 639-646	1.7	39
263	Recursive least squares parameter estimation for non-uniformly sampled systems based on the data filtering. <i>Mathematical and Computer Modelling</i> , 2011 , 54, 315-324		39

262	Iterative algorithms for $X+ATX^{-1}A=I$ by using the hierarchical identification principle. <i>Journal of the Franklin Institute</i> , 2016 , 353, 1132-1146	4	38
261	Least Squares based Iterative Parameter Estimation Algorithm for Stochastic Dynamical Systems with ARMA Noise Using the Model Equivalence. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 630-639	2.9	38
260	A GRADIENT BASED ADAPTIVE CONTROL ALGORITHM FOR DUAL-RATE SYSTEMS. <i>Asian Journal of Control</i> , 2008 , 8, 314-323	1.7	36
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